Appendix	Lab	Lab ID	Sample Date	Description	CAM Form Included	Lab Presumptive Certainty?	QC Performance Standards Met	CAM COMPLIANCE	ESM QAQC doc	Result?
D	GWA	84427	06/01/05	Soil - Test Pits/PT spl	Yes	NO	No	CAM Non-Compliant	Completed	Data Not Compromised - Tank 1 data not utilized other than identification of tank contents.
D	GWA	85632	07/13/05	Soil - Wells	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
D	GWA	87113	08/30/05	Soil Grid Locations/TCLP	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
D	GWA	87813	08/31/05	Soil Grid Locations	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
D	GWA	96205	06/21/06	Asbestos	No	No	N/A	NON-CAM	Completed	Data Not Compromised
E	RC	10061	03/23/06	Packer Testing	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10068	03/23/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10070	03/24/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10079	03/27/06	Packer Testing	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10088	03/28/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10094	03/29/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10103	03/30/06	Packer Testing	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10105	03/31/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10154	04/06/06	GW - wells	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10170	04/10/06	GW - PZ-1 - PZ-3	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10171	04/10/06	GW - wells	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	11371	11/15/06	PZ-4 - PZ-7	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
F	RC	10426	05/30/06	SW / Sed	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
G	ALPHA	L0604251	03/29/06	Soil Gas	No	No	N/A	NON-CAM	Completed	Data Not Compromised

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10061
Job #:	2004-301	**Sample Collection Date:**	3/23/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	No *
Holding time requirements met?	Yes

* Sample received at 9° C because it did not have time to cool between collection and lab receipt.

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. VOC CCV: Vinyl Chloride showed high recovery. No impact to the data is suspected, as no Vinyl Chloride was found in the field samples.

2. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

3. Samples: The quantitation limit for 4-isopropyltoluene due to possible carryover from a previous sample analysis.

4. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10068
Job #:	2004-301	**Sample Collection Date:**	3/23/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met.

Describe Non-Conformances

1. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.
2. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10070
Job #:	2004-301	**Sample Collection Date:**	3/24/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met.

Describe Non-Conformances

1. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.
2. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10079
Job #:	2004-301	**Sample Collection Date:**	3/27/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. The LCS showed a high recovery for Tetrachloroethene. This was nost likely due to carryover from a previous sample analysis. The LCSD results were acceptable.

2. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

3. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10088
Job #:	2004-301	**Sample Collection Date:**	3/28/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met.

Describe Non-Conformances

1. VOC: The following compounds were quantifies with quadratic fit: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.
2. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10094
Job #:	2004-301	**Sample Collection Date:**	3/29/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met.

Describe Non-Conformances

1. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.
2. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10103
Job #:	2004-301	**Sample Collection Date:**	3/27/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. The PRD between the LCS and the LCSD for Styrene was above the acceptance limit. The recoveries for both were acceptable. No data impact expected.

2. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

3. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10105
Job #:	2004-301	**Sample Collection Date:**	3/31/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	No*
Holding time requirements met?	Yes

* Sample received at 12° C because it did not have time to cool between collection and lab receipt.

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	Yes
Action Limits	Yes

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met.

Describe Non-Conformances

1. A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10154
Job #:	2006-056	**Sample Collection Date:**	04/06/06 - 04/07/06

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

DUP (VPH) and MS/MSD included with samples

Field Dup(s) vs. Environmental Sample: RPD <51%? Yes

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. EPH: The following samples had surrogates trhat did not meet the acceptance criteria: 10154-05, 07, 08, and 09. All other batch QC has acceptable recoveries. It is suspected that this may have been caused by matrix interference. The samples could not be re-extracted due to insufficient sample volume.

2. VOC 8260: LCS 10154-53 did not meet acceptance criteria for dichlorodifluoromethane. LCS 10154-51 did not meet the acceptance limits for 2,2-dichloropropane, and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria, however both recoveries were acceptable. LCS 10154-57 did not meet the acceptance limits for 2,2-dichloropropane, and dichlorodifluoromethane. The RPD for styrene did nto meet teh acceptance criteria due to a low recovery in the LCSD. These coumpunds noted with failures are known to be problematic in the method.

3. EPH: The fractionation check sample (LCS) for the batchof silica gel in use for these samples met the method acceptance criteria.

4. VPH Target compounds and renges were determined by GC/MS. Ranges were determined in a similar manner as described in the MassDEP APH method of 2/2000.

5. PCB: The sample peaks most closely resembled Aroclor 1242, however there was also a similarity to Aroclor 1248. Possibly due to weathering, the Aroclor identification is difficult and not absolute. Chromatograms are provided. Samples that contained non-aroclor peaks have been noted on the report pages. Quantification is quadratic.

6. VOC: The following compounds were quantifies with quadratic fit: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

7. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10170
Job #:	2006-056	**Sample Collection Date:**	4/10/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes
Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?	
Field Dup(s) vs. Environmental Sample: RPD <51%?	

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. VOC: The continuing calibration verification for naphthene did not meet acceptance criteria (69%). Samples 10170-01, 03, & 04 were analyzed in this window. All calibration check compounds (CCC) met acceptance criteria. No further action required.
2. VOC 8260: LCS 10170-51 did not meet acceptance criteria for dichlorodifluoromethane and acetone. LCS 10170-53 did not meet the acceptance limits for 2,2-dichloropropane, bromomethane, styrene, and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria. These coumpunds noted with failures are known to be problematic in the method.
3. PCB: The sample peaks most closely resembled Aroclor 1242, however there was also a similarity to Aroclor 1248. Possibly due to weathering, the Aroclor identification is difficult and not absolute. Chromatograms are provided. Samples that contained non-aroclor peaks have been noted on the report pages. Quantification is quadratic.
4. PCB: A sulfur clean up was performed on samples 10170-01 and -05.
5. VOC: The following compounds were quantifies with quadratic fit: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.
6. Dilutions performed during the analysis are noted on the result pages.
7. Lead only was requested by the customer.

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	10171
Job #:	2006-056	**Sample Collection Date:**	4/10/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

Field Dup(s) vs. Environmental Sample: RPD <51%?

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	No*
Action Limits	Yes

* Reporting Limits were high due to necessary dilutions.

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. VOC: The continuing calibration verification for naphthene did not meet acceptance criteria (69%). Samples 10171-02, 03, 04, 06, 07, & 09 were analyzed in this window. All calibration check compounds (CCC) met acceptance criteria. No further action required.

2. EPH: The following samples had surrogates trhat did not meet the acceptance criteria: 10171-09. All other batch QC has acceptable recoveries. It is suspected that this may have been caused by matrix interference. The samples could not be re-extracted due to insufficient sample volume.

3. VOC 8260: LCS 10171-51 did not meet acceptance criteria for dichlorodifluoromethane and acetone. LCS 10171-53 did not meet the acceptance limits for 2,2-dichloropropane, bromomethane, styrene, and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria. These coumpunds noted with failures are known to be problematic in the method.

4. EPH: The fractionation check sample (LCS) for the batchof silica gel in use for these samples met the method acceptance criteria.

5. VPH Target compounds and renges were determined by GC/MS. Ranges were determined in a similar manner as described in the MassDEP APH method of 2/2000.

6. PCB: The sample peaks most closely resembled Aroclor 1242, however there was also a similarity to Aroclor 1248. Possibly due to weathering, the Aroclor identification is difficult and not absolute. Chromatograms are provided. Samples that contained non-aroclor peaks have been noted on the report pages. Quantification is quadratic.

7. VOC: The following compounds were quantifies with quadratic fit: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

8. Dilutions performed during the analysis are noted on the result pages.

9. RCRA metals only were requested by the customer

Observations?

All notes were reviewed and do not indicate compromised data.

ES&M LAB RESULTS QUALITY REVIEW

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	**Lab ID:**	11371
Job #:	2006-056	**Sample Collection Date:**	11/15/2006

Were sampling and analytical methods requirements met?

Correct containers used?	Yes
Preservation requirements met?	Yes
Holding time requirements met?	Yes

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

N/A

Field Dup(s) vs. Environmental Sample: RPD <51%?

**RPD Calc: 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits	Yes
Reporting Limits	Yes
Action Limits	Yes

Review lab QC reports and project narrative.

Lab Data Certification indicates that presumptive certainty has been met. The project narrative explained all non-conformances, see below:

Describe Non-Conformances

1. VOC: LCS 0403790 did not meet acceptance criteria for bromoform and 1,2 dibromo-3-chloropropane. LCSD 0403790 did not meet acceptance criteria for bromoform and 1,2 dibromo-3-chloropropane. These compounds are know to be problematic in the method.

2. Dilutions performed during the analysis are noted on the result pages.

Observations?

All notes were reviewed and do not indicate compromised data.

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10061
Date Received: 3/23/06

Project: 2004-301 DND Lewis

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages 8

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Lab Number:	10061-01
Sample Designation:	ESM-03B (21-30)
Date Sampled:	3/23/06
Date Analyzed:	3/23/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	1,1,2-trichloroethane	U	40
chloromethane	U	40	1,3-dichloropropane	U	40
vinyl chloride	U	40	tetrachloroethene	8700	40
bromomethane	U	40	dibromochloromethane	U	40
chloroethane	U	40	1,2-dibromoethane	U	40
trichlorofluoromethane	U	40	chlorobenzene	U	40
diethyl ether	U	200	1,1,1,2-tetrachloroethane	U	40
acetone	U	200	ethylbenzene	41	40
1,1-dichloroethene	160	20	m&p-xylenes	93	40
methylene chloride	U	100	o-xylene	U	40
carbon disulfide	U	40	styrene	U	40
methyl t-butyl ether (MTBE)	U	40	bromoform	U	40
trans-1,2-dichloroethene	U	40	isopropylbenzene	U	40
1,1-dichloroethane	U	40	1,1,2,2-tetrachloroethane	U	40
2-butanone (MEK)	U	200	1,2,3-trichloropropane	U	40
2,2-dichloropropane	U	40	n-propylbenzene	U	40
cis-1,2-dichloroethene	370	40	bromobenzene	U	40
chloroform	U	40	1,3,5-trimethylbenzene	U	40
bromochloromethane	U	40	2-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	4-chlorotoluene	U	40
1,1,1-trichloroethane	2500	40	tert-butylbenzene	U	40
1,1-dichloropropene	U	40	1,2,4-trimethylbenzene	60	40
carbon tetrachloride	U	40	sec-butylbenzene	U	40
1,2-dichloroethane	U	40	1,3-dichlorobenzene	U	40
benzene	U	40	4-isopropyltoluene	U	100
trichloroethene	4200	40	1,4-dichlorobenzene	U	40
1,2-dichloropropane	U	40	1,2-dichlorobenzene	240	40
bromodichloromethane	U	40	n-butylbenzene	U	40
dibromomethane	U	40	1,2-dibromo-3-chloropropane	U	40
4-methyl-2-pentanone (MIBK)	U	200	1,2,4-trichlorobenzene	U	40
cis-1,3-dichloropropene	U	40	hexachlorobutadiene	U	40
toluene	180	40	naphthalene	U	100
trans-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
2-hexanone	U	200			

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	96	86-115

U = Below quantitation limit

Quality Control Report

Case Narrative
Lab # 10061

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 9 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other
VOC CCV: Vinyl Chloride showed high recovery. No impact to the data is suspected, as no Vinyl Chloride was found in the field samples.

A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Samples: The quantitation limit for 4-isopropyltoluene was raised due to possible carryover from a previous sample analysis.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

MADEP MCP Analytical Method Report Certification Form		
Laboratory Name: Resource Laboratories, LLC		Lab # 10061
Project Location Hyde Park	Project #	MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)		
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:		

MCP SW-846 Methods Used					
	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10061-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/23/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	102	78-114
toluene-D8	108	88-110
4-bromofluorobenzene	98	86-115

U = Below quantitation limit

Lab Number: 10061-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\MAR06\032306\V3032322.D
Date Analyzed: 3/23/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	17	86%	17	83%	3%
chloromethane	20	98%	18	91%	8%
vinyl chloride	23	115%	21	106%	8%
bromomethane	16	79%	16	82%	4%
chloroethane	20	100%	19	97%	3%
trichlorofluoromethane	21	104%	20	99%	5%
diethylether	21	103%	21	104%	1%
acetone	17	83%	16	81%	3%
1,1-dichloroethene	21	105%	20	98%	7%
methylene chloride	22	108%	21	104%	4%
carbon disulfide	20	99%	18	92%	7%
methyl-t-butyl ether (MTBE)	41	103%	40	101%	2%
trans-1,2-dichloroethene	21	105%	20	101%	4%
isopropyl ether (DIPE)	21	106%	21	103%	3%
ethyl-t-butyl ether (ETBE)	20	100%	20	102%	2%
1,1-dichloroethane	20	101%	20	100%	1%
t-butanol (TBA)	89	89%	89	89%	1%
2-butanone (MEK)	18	92%	18	88%	4%
2,2-dichloropropane	21	104%	19	96%	8%
cis-1,2-dichloroethene	22	112%	21	106%	5%
chloroform	22	109%	21	107%	2%
bromochloromethane	22	109%	22	108%	2%
tetrahydrofuran (THF)	19	96%	19	96%	0%
1,1,1-trichloroethane	21	103%	20	102%	1%
1,1-dichloropropene	21	106%	21	103%	3%
t-amyl-methyl ether (TAME)	20	101%	20	99%	2%
carbon tetrachloride	18	88%	17	87%	1%
1,2-dichloroethane	21	105%	20	100%	4%
benzene	22	108%	20	102%	6%
trichloroethene	21	103%	21	104%	1%
1,2-dichloropropane	21	103%	20	100%	3%
bromodichloromethane	18	92%	18	92%	0%
dibromomethane	22	110%	22	108%	2%
4-methyl-2-pentanone (MIBK)	19	95%	19	96%	1%
cis-1,3-dichloropropene	20	100%	20	99%	1%
toluene	22	108%	20	101%	7%
trans-1,3-dichloropropene	18	92%	18	92%	0%
2-hexanone	18	91%	17	87%	4%
1,1,2-trichloroethane	21	106%	21	105%	1%
1,3-dichloropropane	21	106%	21	103%	3%
tetrachloroethene	21	107%	20	102%	4%
dibromochloromethane	19	93%	19	94%	0%
1,2-dibromoethane (EDB)	21	104%	20	102%	2%
chlorobenzene	21	104%	20	100%	4%
1,1,1,2-tetrachloroethane	20	100%	19	94%	6%
ethylbenzene	22	108%	20	99%	9%
m&p-xylenes	44	109%	41	103%	6%
o-xylene	22	108%	21	103%	5%
styrene	21	106%	19	97%	9%
bromoform	18	89%	18	91%	2%
isopropylbenzene	23	113%	22	108%	5%
1,1,2,2-tetrachloroethane	19	95%	18	92%	3%
1,2,3-trichloropropane	19	94%	18	91%	3%
n-propylbenzene	21	106%	21	103%	3%
bromobenzene	21	104%	20	102%	3%
1,3,5-trimethylbenzene	21	104%	20	98%	6%
2-chlorotoluene	21	105%	20	98%	7%
4-chlorotoluene	20	102%	19	96%	6%
tert-butylbenzene	19	97%	19	95%	2%
1,2,4-trimethylbenzene	21	106%	20	102%	4%
sec-butylbenzene	21	103%	20	99%	4%
1,3-dichlorobenzene	20	101%	20	98%	3%
4-isopropyltoluene	22	110%	22	109%	1%
1,4-dichlorobenzene	19	97%	19	96%	1%
1,2-dichlorobenzene	21	104%	20	99%	6%
n-butylbenzene	22	109%	21	104%	5%
1,2-dibromo-3-chloropropane (	19	93%	19	93%	0%
1,2,4-trichlorobenzene	18	92%	18	91%	1%
hexachlorobutadiene	20	98%	19	96%	2%
naphthalene	16	78%	16	78%	0%
1,2,3-trichlorobenzene	19	93%	19	94%	2%
1,4-dioxane	39	97%	35	87%	11%

SURROGATE STANDARDS		
SS dibromofluoromethane	102%	100%
SS toluene-D8	106%	100%
SS 4-bromofluorobenzene	109%	105%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

PAGE____ OF____

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10061

Company Name: Environmental Strategies + Mgmt	Phone #: 508-285-9700
Company Address: 184 West Main St	FAX #: 508-255-9957
Project Manager: Joe Callahan	Site Location (City, State): Hyde Park, MA
Invoice To: ES+M	Project ID / Name: DND Lewis 2004-301
	Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10061-01	ESM-035(21-23)	2	✓			✓						3/23/06	09:10	AF

ANALYSIS REQUEST

☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO	☒ VOC 8260 ☐ VOC8015GRO ☐ VOC 624	☐ VOC 8260 BTEX, MIBE, Naphthalene only	☐ VOC 524.2 ☐ VOC 524.2 NH List	☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 ☐ EPH	☐ 8270PAH ☐ 8270ABN ☐ 625	☐ 8082 PCB ☐ 8081 Pesticides ☐ 608	☐ O&G 1664 ☐ O&G SM5520F	☐ pH ☐ BOD ☐ Conductivity	☐ TSS ☐ TDS ☐ TS	☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	☐ Total Metals-list ☐ Dissolved Metals-list	☐ Ammonia ☐ COD	☐ T-Phosphate ☐ Phenol	☐ Cyanide ☐ Sulfide	☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride	☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC	☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)	☐ Standard Drinking Water Test ☐ Bacteria P/A	Grab (G) or Composite (C)

TAT REQUESTED

- Priority (24 hr) ☒
- Expedited (48 hr) ☐
- 10 Business Days ☐
- Other ☐ _____

E-Mail Address: jcallahan@esm-inc.com
Quote # _____
PO # _____

SPECIAL INSTRUCTIONS
Sample per instructions from Joe Callahan / ASAP turnaround

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify) _____
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 9 °C

Lab Use Only

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler:	3/23/06	0915	Received by:		
Relinquished by:			Received by:	3/23/06	9:15
Relinquished by:			Received by Laboratory:		
			Way Bill#:		

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10068
Date Received: 3/23/06

Project: 2004-301 DND Lewis

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages 8

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Lab Number:	10068-01
Sample Designation:	ESM-03B (30-40)
Date Sampled:	3/23/06
Date Analyzed:	3/24/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	1,1,2-trichloroethane	U	40
chloromethane	U	40	1,3-dichloropropane	U	40
vinyl chloride	U	40	tetrachloroethene	6600	40
bromomethane	U	40	dibromochloromethane	U	40
chloroethane	U	40	1,2-dibromoethane	U	40
trichlorofluoromethane	U	40	chlorobenzene	U	40
diethyl ether	U	200	1,1,1,2-tetrachloroethane	U	40
acetone	U	200	ethylbenzene	43	40
1,1-dichloroethene	660	20	m&p-xylenes	110	40
methylene chloride	870	100	o-xylene	U	40
carbon disulfide	U	40	styrene	U	40
methyl t-butyl ether (MTBE)	U	40	bromoform	U	40
trans-1,2-dichloroethene	U	40	isopropylbenzene	U	40
1,1-dichloroethane	55	40	1,1,2,2-tetrachloroethane	U	40
2-butanone (MEK)	U	200	1,2,3-trichloropropane	U	40
2,2-dichloropropane	U	40	n-propylbenzene	U	40
cis-1,2-dichloroethene	73	40	bromobenzene	U	40
chloroform	U	40	1,3,5-trimethylbenzene	U	40
bromochloromethane	U	40	2-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	4-chlorotoluene	U	40
1,1,1-trichloroethane	4100	40	tert-butylbenzene	U	40
1,1-dichloropropene	U	40	1,2,4-trimethylbenzene	U	40
carbon tetrachloride	U	40	sec-butylbenzene	U	40
1,2-dichloroethane	210	40	1,3-dichlorobenzene	U	40
benzene	U	40	4-isopropyltoluene	U	40
trichloroethene	12000	40	1,4-dichlorobenzene	U	40
1,2-dichloropropane	U	40	1,2-dichlorobenzene	160	40
bromodichloromethane	U	40	n-butylbenzene	U	40
dibromomethane	U	40	1,2-dibromo-3-chloropropane	U	40
4-methyl-2-pentanone (MIBK)	U	200	1,2,4-trichlorobenzene	U	40
cis-1,3-dichloropropene	U	40	hexachlorobutadiene	U	40
toluene	170	40	naphthalene	U	100
trans-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
2-hexanone	U	200			

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	100	86-115

U = Below quantitation limit

Quality Control Report

Case Narrative
Lab # 10068

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 6 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other

A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC				Lab # 10068	
Project Location Hyde Park		Project #		MADEP RTN (if available)	
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x) No ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Susan C Sylvester Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10068-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/24/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	100	86-115

U = Below quantitation limit

Lab Number: 10068-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\MAR06\032406\V3032424.D
Date Analyzed: 3/24/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	17	83%	18	88%	5%
chloromethane	19	93%	19	94%	1%
vinyl chloride	22	109%	23	117%	7%
bromomethane	15	76%	16	81%	7%
chloroethane	19	95%	19	97%	2%
trichlorofluoromethane	20	102%	21	106%	3%
diethylether	21	104%	21	103%	1%
acetone	16	80%	16	79%	2%
1,1-dichloroethene	20	99%	21	103%	4%
methylene chloride	21	106%	21	105%	1%
carbon disulfide	19	95%	19	96%	1%
methyl-t-butyl ether (MTBE)	40	100%	40	99%	0%
trans-1,2-dichloroethene	20	100%	21	106%	6%
isopropyl ether (DIPE)	21	105%	20	102%	3%
ethyl-t-butyl ether (ETBE)	21	104%	21	105%	1%
1,1-dichloroethane	20	100%	20	102%	1%
t-butanol (TBA)	88	88%	86	86%	2%
2-butanone (MEK)	17	86%	17	86%	0%
2,2-dichloropropane	19	96%	20	98%	3%
cis-1,2-dichloroethene	21	105%	21	105%	0%
chloroform	21	105%	21	107%	3%
bromochloromethane	21	105%	22	109%	4%
tetrahydrofuran (THF)	19	94%	18	92%	3%
1,1,1-trichloroethane	20	99%	21	106%	6%
1,1-dichloropropene	21	104%	22	110%	5%
t-amyl-methyl ether (TAME)	19	97%	21	103%	6%
carbon tetrachloride	17	83%	18	91%	9%
1,2-dichloroethane	21	103%	20	102%	1%
benzene	21	104%	21	105%	1%
trichloroethene	20	101%	22	108%	6%
1,2-dichloropropane	20	100%	20	102%	2%
bromodichloromethane	18	90%	19	95%	5%
dibromomethane	21	107%	22	109%	2%
4-methyl-2-pentanone (MIBK)	19	96%	18	92%	4%
cis-1,3-dichloropropene	20	99%	20	102%	3%
toluene	20	101%	20	102%	1%
trans-1,3-dichloropropene	18	92%	18	92%	1%
2-hexanone	18	88%	17	85%	4%
1,1,2-trichloroethane	21	103%	21	103%	0%
1,3-dichloropropane	21	104%	20	102%	2%
tetrachloroethene	21	103%	21	107%	4%
dibromochloromethane	19	94%	18	92%	2%
1,2-dibromoethane (EDB)	20	102%	20	99%	4%
chlorobenzene	20	100%	20	101%	2%
1,1,1,2-tetrachloroethane	19	95%	19	97%	2%
ethylbenzene	21	104%	21	104%	0%
m&p-xylenes	43	106%	43	107%	0%
o-xylene	21	105%	21	107%	2%
styrene	20	98%	21	105%	6%
bromoform	18	91%	18	89%	2%
isopropylbenzene	22	111%	22	109%	2%
1,1,2,2-tetrachloroethane	18	89%	18	91%	2%
1,2,3-trichloropropane	18	92%	18	88%	4%
n-propylbenzene	21	105%	21	107%	2%
bromobenzene	21	104%	20	102%	2%
1,3,5-trimethylbenzene	20	99%	20	102%	3%
2-chlorotoluene	19	96%	20	102%	7%
4-chlorotoluene	21	104%	20	100%	4%
tert-butylbenzene	19	94%	19	97%	3%
1,2,4-trimethylbenzene	20	102%	20	102%	0%
sec-butylbenzene	20	100%	20	102%	2%
1,3-dichlorobenzene	19	97%	20	99%	2%
4-isopropyltoluene	21	106%	22	109%	3%
1,4-dichlorobenzene	19	93%	19	97%	5%
1,2-dichlorobenzene	20	99%	20	101%	2%
n-butylbenzene	21	103%	22	111%	8%
1,2-dibromo-3-chloropropane (	18	92%	19	93%	1%
1,2,4-trichlorobenzene	18	90%	19	93%	3%
hexachlorobutadiene	19	97%	20	100%	3%
naphthalene	15	76%	15	76%	0%
1,2,3-trichlorobenzene	18	91%	18	92%	1%
1,4-dioxane	33	83%	36	91%	9%

SURROGATE STANDARDS		
SS dibromofluoromethane	98%	100%
SS toluene-D8	101%	103%
SS 4-bromofluorobenzene	105%	101%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

PAGE____ OF____

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10068

Company Name: Environmental Strategies + Mgmt	Phone #: 508-285-9700
Company Address: 184 West Main St Norton MA	FAX #: 508-285-9957
Project Manager: Joe Callahan	Site Location (City, State): Hyde Park, MA
Invoice To: ESM	Project ID / Name: DND Lewis 2004-301
	Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	ICE	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
-01	ESM-03B(30-40)	2	✓			✓						3/23/06	1400	DC

ANALYSIS REQUEST

- ☐ VOC-NH Petroleum Remediation Short List
- ☐ VOC-NH Hazardous Waste Remediation Short List
- ☐ VOC-NH Petroleum & Haz Waste Full List ☐ MADEP VPH ☐ MEGRO
- ☑ VOC 8260 ☐ VOC8015GRO ☐ VOC 624
- ☐ VOC 8260 BTEX, MIBE, Naphthalene only ☐ VOC 8260 + Oxygenates
- ☐ VOC 524.2 ☐ VOC 524.2 NH Petroleum & Haz. Waste Full List
- ☐ TPH 8100 ☐ MEDRO ☐ DRO 8015 ☐ EPH
- ☐ 8270PAH ☐ 8270ABN ☐ 625
- ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608
- ☐ O&G 1664 ☐ O&G SM5520F
- ☐ pH ☐ BOD ☐ Conductivity
- ☐ TSS ☐ TDS ☐ TS
- ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
- ☐ Total Metals-list ☐ Dissolved Metals-list
- ☐ Ammonia ☐ COD
- ☐ T-Phosphate ☐ Phenol (subcontract)
- ☐ Cyanide ☐ Sulfide
- ☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride
- ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
- ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC
- ☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)
- Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☑
Expedited (48 hr) ☐
10 Business Days ☐
Other ☐

E-Mail Address _____
Quote # _____
PO # _____

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☐ FAX ☐ EDD ☐ OTHER (specify)_____

RECEIVED ON ICE ☑ YES ☐ NO
TEMPERATURE 6.0 °C

Lab Use Only

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler:	3/23/06	1500	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory:	3/23/06	1500
			Way Bill#:		

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10070
Date Received: 3/24/06

Project: 2004-301 DND Lewis

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages 8

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Lab Number:	10070-01
Sample Designation:	ESM-03B (40-50)
Date Sampled:	3/24/06
Date Analyzed:	3/28/06
Matrix:	Water
Instrument Dilution Factor:	200
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	U	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	U	400	1,1,2-trichloroethane	U	400
bromomethane	U	400	1,3-dichloropropane	U	400
chloroethane	U	400	tetrachloroethene	9200	400
trichlorofluoromethane	U	400	dibromochloromethane	U	400
diethyl ether	U	2000	1,2-dibromoethane	U	400
acetone	U	2000	chlorobenzene	U	400
1,1-dichloroethene	2500	200	1,1,1,2-tetrachloroethane	U	400
methylene chloride	10000	1000	ethylbenzene	U	400
carbon disulfide	U	400	m&p-xylenes	U	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	U	400
trans-1,2-dichloroethene	U	400	styrene	U	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	U	400	1,1,2,2-tetrachloroethane	U	400
t-butanol (TBA)	U	10000	1,2,3-trichloropropane	U	400
2-butanone (MEK)	U	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	U	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	U	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	U	400
1,1,1-trichloroethane	19000	400	1,2,4-trimethylbenzene	U	400
1,1-dichloropropene	U	400	sec-butylbenzene	U	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	U	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	1500	400	1,4-dichlorobenzene	U	400
benzene	U	400	1,2-dichlorobenzene	U	400
trichloroethene	50000	400	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	U	400
bromodichloromethane	U	400	1,2,4-trichlorobenzene	U	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	U	1000
cis-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	U	400
toluene	1200	400	1,4-dioxane	U	10000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	99	86-115

U = Below quantitation limit

Quality Control Report

RESOURCE LABORATORIES, LLC.

Case Narrative
Lab # 10070

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 10 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
The LCS showed a high recovery for Tetrachloroethene. This was most likely due to carryover from a previous sample analysis. The LCSD results were acceptable.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other

A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromehane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 10070
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x) No ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10070-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/28/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	101	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

Lab Number: 10070-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\032806\V3032824.D
Date Analyzed: 3/28/06
SW 846 Method 5030B/8260B

	LCS			LCSD		RPD
Compound	Amount Found	% Recovery		Amount Found	% Recovery	
dichlorodifluoromethane	18	92%		18	90%	2%
chloromethane	20	101%		20	99%	2%
vinyl chloride	23	115%		23	114%	1%
bromomethane	19	95%		19	96%	1%
chloroethane	21	106%		21	103%	3%
trichlorofluoromethane	22	112%		22	108%	4%
diethylether	21	103%		22	111%	7%
acetone	17	87%		17	86%	1%
1,1-dichloroethene	22	109%		21	105%	3%
methylene chloride	23	116%		23	113%	3%
carbon disulfide	20	101%		20	98%	4%
methyl-t-butyl ether (MTBE)	41	103%		41	103%	0%
trans-1,2-dichloroethene	22	110%		21	105%	4%
isopropyl ether (DIPE)	21	107%		22	111%	4%
ethyl-t-butyl ether (ETBE)	22	109%		21	105%	4%
1,1-dichloroethane	21	107%		21	105%	2%
t-butanol (TBA)	85	85%		87	87%	3%
2-butanone (MEK)	18	89%		18	90%	2%
2,2-dichloropropane	20	99%		19	94%	5%
cis-1,2-dichloroethene	23	116%		23	114%	2%
chloroform	22	110%		22	109%	1%
bromochloromethane	23	113%		23	114%	1%
tetrahydrofuran (THF)	17	87%		18	90%	4%
1,1,1-trichloroethane	21	106%		21	103%	2%
1,1-dichloropropene	23	114%		21	107%	6%
t-amyl-methyl ether (TAME)	21	105%		21	104%	1%
carbon tetrachloride	18	92%		18	92%	1%
1,2-dichloroethane	21	107%		21	103%	4%
benzene	22	109%		21	107%	2%
trichloroethene	23	115%		22	109%	5%
1,2-dichloropropane	21	107%		21	107%	0%
bromodichloromethane	19	95%		20	98%	2%
dibromomethane	23	113%		23	113%	0%
4-methyl-2-pentanone (MIBK)	19	97%		19	96%	1%
cis-1,3-dichloropropene	21	106%		21	106%	0%
toluene	23	114%		22	110%	4%
trans-1,3-dichloropropene	19	96%		19	97%	1%
2-hexanone	17	84%		17	87%	4%
1,1,2-trichloroethane	22	109%		22	111%	2%
1,3-dichloropropane	22	108%		20	102%	5%
tetrachloroethene	29	146%	#	25	125%	15%
dibromochloromethane	19	97%		20	98%	2%
1,2-dibromoethane (EDB)	21	105%		21	104%	1%
chlorobenzene	21	106%		20	100%	5%
1,1,1,2-tetrachloroethane	20	102%		20	99%	3%
ethylbenzene	22	109%		21	103%	6%
m&p-xylenes	44	109%		42	105%	3%
o-xylene	22	109%		21	104%	5%
styrene	20	100%		20	102%	3%
bromoform	18	92%		19	93%	2%
isopropylbenzene	23	114%		22	112%	1%
1,1,2,2-tetrachloroethane	18	91%		18	90%	1%
1,2,3-trichloropropane	18	89%		17	86%	3%
n-propylbenzene	22	109%		21	105%	3%
bromobenzene	22	108%		21	105%	3%
1,3,5-trimethylbenzene	20	102%		20	99%	3%
2-chlorotoluene	21	103%		20	99%	4%
4-chlorotoluene	21	104%		20	99%	5%
tert-butylbenzene	20	99%		19	94%	6%
1,2,4-trimethylbenzene	21	106%		20	100%	6%
sec-butylbenzene	20	102%		20	98%	4%
1,3-dichlorobenzene	20	102%		20	100%	2%
4-isopropyltoluene	22	111%		21	107%	4%
1,4-dichlorobenzene	20	100%		19	97%	3%
1,2-dichlorobenzene	21	106%		20	100%	5%
n-butylbenzene	22	110%		21	103%	6%
1,2-dibromo-3-chloropropane (	18	88%		18	92%	4%
1,2,4-trichlorobenzene	18	92%		18	89%	3%
hexachlorobutadiene	20	100%		19	94%	6%
naphthalene	15	75%		15	76%	1%
1,2,3-trichlorobenzene	19	93%		18	89%	4%
1,4-dioxane	34	85%		34	86%	0%
SURROGATE STANDARDS						
SS dibromofluoromethane		98%			103%	
SS toluene-D8		105%			105%	
SS 4-bromofluorobenzene		105%			107%	

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

= This analyte showed recovery outside the acceptance limits.

PAGE____ OF____

RL Resource Laboratories, LLC

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Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10070

Company Name: Environmental Strategies + Mgmt	Phone #: 508 285 9700
Company Address: 184 West Main St Norton MA	FAX #: 508 285-9157
Project Manager: Joe Callahan	Site Location (City, State): Hyde Park, MA
Invoice To: ES+M	Project ID / Name: DND Lewis 2004-301
	Protocol: RCRA SDWA NPDES MCP NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	ICE	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10070-01	ESM-033(40-50)	2	✓			✓						3/24/06	1230	AF

ANALYSIS REQUEST

☐ VOC-NH Petroleum Remediation Short List	☐ VOC-NH Hazardous Waste Remediation Short List	☐ VOC-NH Petroleum & Haz Waste Full List	☐ MADEP VPH ☐ MEGRO	☑ VOC 8260 ☐ VOC8015GRO ☐ VOC 624	☐ VOC 8260 BTEX, MtBE, Naphthalene only ☐ VOC 8260 + Oxygenates	☐ VOC 524.2 ☐ VOC 524.2 NH Petroleum & Haz. Waste Full List	☐ TPH 8100 ☐ MEDRO ☐ DRO 8015 ☐ EPH	☐ 8270PAH ☐ 8270ABN ☐ 625	☐ 8082 PCB ☐ 8081 Pesticides ☐ 608	☐ O&G 1664 ☐ O&G SM5520F	☐ pH ☐ BOD ☐ Conductivity	☐ TSS ☐ TDS ☐ TS	☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	☐ Total Metals-list ☐ Dissolved Metals-list	☐ Ammonia ☐ COD	☐ T-Phosphate ☐ Phenol (subcontract)	☐ Cyanide ☐ Sulfide	☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride	☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC	☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)	Grab (G) or Composite (C)
				✓																		

TAT REQUESTED
Priority (24 hr) ☑
Expedited (48 hr) ☐
10 Business Days ☐
Other ☐

E-Mail Address
Quote #
PO #

SPECIAL INSTRUCTIONS
per site specific agreement, TAT - ASAP

REPORTING INSTRUCTIONS
☐ FAX ☐ EDD ☑ OTHER (specify) Call J. Callahan 508 285 9700

RECEIVED ON ICE ☑ YES ☐ NO
TEMPERATURE 10 °C

Lab Use Only

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
Amanda Freeman	3/24/06	1420		3/24/06	14:20
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	Date	Time

RL Resource Laboratories, LLC

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10079
Date Received: 3/27/06

Project: 2004-301 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages 8

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

124 Heritage Avenue #10 Portsmouth NH 03801
Voice: 603-436-2001 Fax: 603-430-2100
www.reslabs.com

Lab Number:	10079-01
Sample Designation:	ESM-05B (20-30)
Date Sampled:	3/27/06
Date Analyzed:	3/28/06
Matrix:	Water
Instrument Dilution Factor:	200
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	U	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	U	400	1,1,2-trichloroethane	U	400
bromomethane	U	400	1,3-dichloropropane	U	400
chloroethane	U	400	tetrachloroethene	23000	400
trichlorofluoromethane	U	400	dibromochloromethane	U	400
diethyl ether	U	2000	1,2-dibromoethane	U	400
acetone	U	2000	chlorobenzene	U	400
1,1-dichloroethene	2900	200	1,1,1,2-tetrachloroethane	U	400
methylene chloride	2000	1000	ethylbenzene	U	400
carbon disulfide	U	400	m&p-xylenes	750	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	U	400
trans-1,2-dichloroethene	U	400	styrene	U	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	U	400	1,1,2,2-tetrachloroethane	U	400
t-butanol (TBA)	U	10000	1,2,3-trichloropropane	U	400
2-butanone (MEK)	U	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	460	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	U	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	U	400
1,1,1-trichloroethane	38000	400	1,2,4-trimethylbenzene	U	400
1,1-dichloropropene	U	400	sec-butylbenzene	U	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	U	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	U	400	1,4-dichlorobenzene	U	400
benzene	U	400	1,2-dichlorobenzene	2000	400
trichloroethene	54000	400	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	U	400
bromodichloromethane	U	400	1,2,4-trichlorobenzene	U	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	U	1000
cis-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	U	400
toluene	1500	400	1,4-dioxane	U	10000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	100	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	105	86-115

U = Below quantitation limit

Quality Control Report

RESOURCE LABORATORIES, LLC.

Case Narrative
Lab # 10079

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 2 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
The LCS showed a high recovery for Tetrachloroethene. This was most likely due to carryover from a previous sample analysis. The LCSD results were acceptable.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other

A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 10079
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Susan C. Sylvester Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10079-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/28/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	101	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

Lab Number: 10079-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\032806\V3032824.D
Date Analyzed: 3/28/06
SW 846 Method 5030B/8260B

	LCS			LCSD		RPD
Compound	Amount Found	% Recovery		Amount Found	% Recovery	
dichlorodifluoromethane	18	92%		18	90%	2%
chloromethane	20	101%		20	99%	2%
vinyl chloride	23	115%		23	114%	1%
bromomethane	19	95%		19	96%	1%
chloroethane	21	106%		21	103%	3%
trichlorofluoromethane	22	112%		22	108%	4%
diethylether	21	103%		22	111%	7%
acetone	17	87%		17	86%	1%
1,1-dichloroethene	22	109%		21	105%	3%
methylene chloride	23	116%		23	113%	3%
carbon disulfide	20	101%		20	98%	4%
methyl-t-butyl ether (MTBE)	41	103%		41	103%	0%
trans-1,2-dichloroethene	22	110%		21	105%	4%
isopropyl ether (DIPE)	21	107%		22	111%	4%
ethyl-t-butyl ether (ETBE)	22	109%		21	105%	4%
1,1-dichloroethane	21	107%		21	105%	2%
t-butanol (TBA)	85	85%		87	87%	3%
2-butanone (MEK)	18	89%		18	90%	2%
2,2-dichloropropane	20	99%		19	94%	5%
cis-1,2-dichloroethene	23	116%		23	114%	2%
chloroform	22	110%		22	109%	1%
bromochloromethane	23	113%		23	114%	1%
tetrahydrofuran (THF)	17	87%		18	90%	4%
1,1,1-trichloroethane	21	106%		21	103%	2%
1,1-dichloropropene	23	114%		21	107%	6%
t-amyl-methyl ether (TAME)	21	105%		21	104%	1%
carbon tetrachloride	18	92%		18	92%	1%
1,2-dichloroethane	21	107%		21	103%	4%
benzene	22	109%		21	107%	2%
trichloroethene	23	115%		22	109%	5%
1,2-dichloropropane	21	107%		21	107%	0%
bromodichloromethane	19	95%		20	98%	2%
dibromomethane	23	113%		23	113%	0%
4-methyl-2-pentanone (MIBK)	19	97%		19	96%	1%
cis-1,3-dichloropropene	21	106%		21	106%	0%
toluene	23	114%		22	110%	4%
trans-1,3-dichloropropene	19	96%		19	97%	1%
2-hexanone	17	84%		17	87%	4%
1,1,2-trichloroethane	22	109%		22	111%	2%
1,3-dichloropropane	22	108%		20	102%	5%
tetrachloroethene	29	146%	#	25	125%	15%
dibromochloromethane	19	97%		20	98%	2%
1,2-dibromoethane (EDB)	21	105%		21	104%	1%
chlorobenzene	21	106%		20	100%	5%
1,1,1,2-tetrachloroethane	20	102%		20	99%	3%
ethylbenzene	22	109%		21	103%	6%
m&p-xylenes	44	109%		42	105%	3%
o-xylene	22	109%		21	104%	5%
styrene	20	100%		20	102%	3%
bromoform	18	92%		19	93%	2%
isopropylbenzene	23	114%		22	112%	1%
1,1,2,2-tetrachloroethane	18	91%		18	90%	1%
1,2,3-trichloropropane	18	89%		17	86%	3%
n-propylbenzene	22	109%		21	105%	3%
bromobenzene	22	108%		21	105%	3%
1,3,5-trimethylbenzene	20	102%		20	99%	3%
2-chlorotoluene	21	103%		20	99%	4%
4-chlorotoluene	21	104%		20	99%	5%
tert-butylbenzene	20	99%		19	94%	6%
1,2,4-trimethylbenzene	21	106%		20	100%	6%
sec-butylbenzene	20	102%		20	98%	4%
1,3-dichlorobenzene	20	102%		20	100%	2%
4-isopropyltoluene	22	111%		21	107%	4%
1,4-dichlorobenzene	20	100%		19	97%	3%
1,2-dichlorobenzene	21	106%		20	100%	5%
n-butylbenzene	22	110%		21	103%	6%
1,2-dibromo-3-chloropropane (	18	88%		18	92%	4%
1,2,4-trichlorobenzene	18	92%		18	89%	3%
hexachlorobutadiene	20	100%		19	94%	6%
naphthalene	15	75%		15	76%	1%
1,2,3-trichlorobenzene	19	93%		18	89%	4%
1,4-dioxane	34	85%		34	86%	0%

SURROGATE STANDARDS

SS dibromofluoromethane	98%	103%
SS toluene-D8	105%	105%
SS 4-bromofluorobenzene	105%	107%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

= This analyte showed recovery outside the acceptance limits.

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY REC AND ANALYSIS REQUES 10079

Company Name: Environmental Strategies + Mgmt
Phone #: (508) 285-9700
FAX #: (508) 285-9957
Company Address: 184 West Main St Norton, MA
Site Location (City, State): ~~Hyde~~ Hyde Park, MA
Project Manager: Joe Callahan
Project ID / Name: 2004-301 / Lewis Chemical
Invoice To: ES+M
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10079-01	ESM-05B (20-30)	2	✓			✓						3/27/06	1300	AF

ANALYSIS REQUESTED

☐ VOC 8260-NH List	☐ MADEP VPH	☐ MEGRO	☒ VOC 8260	☐ VOC8015GRO	☐ VOC 624	☐ VOC 8260 BTEX, MBE, Naphthalene only	☐ VOC 524.2	☐ VOC 524.2 NH List	☐ TPH Fingerprint	☐ MEDRO	☐ DRO 8015	☐ EPH	☐ 8270PAH	☐ 8270ABN	☐ 625	☐ 8082 PCB	☐ 8081 Pesticides	☐ 608	☐ O&G 1664	☐ O&G SM5520F	☐ pH	☐ BOD	☐ Conductivity	☐ TSS	☐ TDS	☐ TS	☐ RCRA Metals	☐ Priority Pollutant Metals	☐ TAL Metals	☐ Total Metals-list	☐ Dissolved Metals-list	☐ Ammonia	☐ COD	☐ T-Phosphate	☐ Phenol	☐ Cyanide	☐ Sulfide	☐ Nitrate	☐ Nitrite	☐ Ortho P	☐ Sulfate	☐ Bromide	☐ Chloride	☐ Corrosivity	☐ Reactive CN	☐ Reactive S-	☐ Ignitibility/FP	☐ TCLP Metals	☐ TCLP VOC	☐ TCLP SVOC	☐ TCLP Pesticide	☐ TCLP Herbicides (subcontract)	☐ Standard Drinking Water Test	☐ Bacteria P/A	Grab (G) or Composite (C)
			✓																																																						

TAT REQUESTED
Priority (24 hr) ☑
Expedited (48 hr) ☐
10 Business Days ☐
Other ☑
ASAP

E-Mail Address
Quote #
PO #

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☑ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 2 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
		3/27/06	1420		3/27	14:20
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
				Way Bill#:		

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10088
Date Received: 3/28/06

Project: 2004-301 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

4-14-06
Date

Total number of pages 10

Resource Laboratories, LLC Certifications

New Hampshire	NH902	Connecticut	PH-0146
Maine	NH903	Massachusetts	M-NH902

Lab Number:	10088-01
Sample Designation:	ESM-05B (30-40)
Date Sampled:	3/28/06
Date Analyzed:	3/29/06
Matrix:	Water
Instrument Dilution Factor:	200
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	U	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	U	400	1,1,2-trichloroethane	U	400
bromomethane	U	400	1,3-dichloropropane	U	400
chloroethane	U	400	tetrachloroethene	12000	400
trichlorofluoromethane	U	400	dibromochloromethane	U	400
diethyl ether	U	2000	1,2-dibromoethane	U	400
acetone	U	2000	chlorobenzene	U	400
1,1-dichloroethene	1700	200	1,1,1,2-tetrachloroethane	U	400
methylene chloride	3800	1000	ethylbenzene	U	400
carbon disulfide	U	400	m&p-xylenes	420	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	U	400
trans-1,2-dichloroethene	U	400	styrene	U	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	U	400	1,1,2,2-tetrachloroethane	U	400
t-butanol (TBA)	U	10000	1,2,3-trichloropropane	U	400
2-butanone (MEK)	U	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	U	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	U	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	U	400
1,1,1-trichloroethane	29000	400	1,2,4-trimethylbenzene	U	400
1,1-dichloropropene	U	400	sec-butylbenzene	U	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	U	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	U	400	1,4-dichlorobenzene	U	400
benzene	U	400	1,2-dichlorobenzene	960	400
trichloroethene	31000	400	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	U	400
bromodichloromethane	U	400	1,2,4-trichlorobenzene	U	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	U	1000
cis-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	U	400
toluene	910	400	1,4-dioxane	U	10000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	102	78-114
toluene-D8	109	88-110
4-bromofluorobenzene	102	86-115

U = Below quantitation limit

Lab Number:	10088-02
Sample Designation:	ESM-05B (40-50)
Date Sampled:	3/28/06
Date Analyzed:	3/29/06
Matrix:	Water
Instrument Dilution Factor:	100
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	200	trans-1,3-dichloropropene	U	200
chloromethane	U	200	2-hexanone	U	1000
vinyl chloride	U	200	1,1,2-trichloroethane	U	200
bromomethane	U	200	1,3-dichloropropane	U	200
chloroethane	U	200	tetrachloroethene	3200	200
trichlorofluoromethane	U	200	dibromochloromethane	U	200
diethyl ether	U	1000	1,2-dibromoethane	U	200
acetone	U	1000	chlorobenzene	U	200
1,1-dichloroethene	590	100	1,1,1,2-tetrachloroethane	U	200
methylene chloride	4100	500	ethylbenzene	U	200
carbon disulfide	U	200	m&p-xylenes	U	200
methyl t-butyl ether (MTBE)	U	200	o-xylene	U	200
trans-1,2-dichloroethene	U	200	styrene	U	200
isopropyl ether (DIPE)	U	200	bromoform	U	200
ethyl t-butyl ether (ETBE)	U	200	isopropylbenzene	U	200
1,1-dichloroethane	U	200	1,1,2,2-tetrachloroethane	U	200
t-butanol (TBA)	U	5000	1,2,3-trichloropropane	U	200
2-butanone (MEK)	U	1000	n-propylbenzene	U	200
2,2-dichloropropane	U	200	bromobenzene	U	200
cis-1,2-dichloroethene	U	200	1,3,5-trimethylbenzene	U	200
chloroform	U	200	2-chlorotoluene	U	200
bromochloromethane	U	200	4-chlorotoluene	U	200
tetrahydrofuran (THF)	U	1000	tert-butylbenzene	U	200
1,1,1-trichloroethane	9000	200	1,2,4-trimethylbenzene	U	200
1,1-dichloropropene	U	200	sec-butylbenzene	U	200
t-amyl-methyl ether (TAME)	U	200	1,3-dichlorobenzene	U	200
carbon tetrachloride	U	200	4-isopropyltoluene	U	200
1,2-dichloroethane	510	200	1,4-dichlorobenzene	U	200
benzene	U	200	1,2-dichlorobenzene	420	200
trichloroethene	14000	200	n-butylbenzene	U	200
1,2-dichloropropane	U	200	1,2-dibromo-3-chloropropane	U	200
bromodichloromethane	U	200	1,2,4-trichlorobenzene	U	200
dibromomethane	U	200	hexachlorobutadiene	U	200
4-methyl-2-pentanone (MIBK)	U	1000	naphthalene	U	500
cis-1,3-dichloropropene	U	200	1,2,3-trichlorobenzene	U	200
toluene	310	200	1,4-dioxane	U	5000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	105	88-110
4-bromofluorobenzene	96	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10088-03
Sample Designation:	ESM-05B (50-60)
Date Sampled:	3/28/06
Date Analyzed:	3/29/06
Matrix:	Water
Instrument Dilution Factor:	100
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	200	trans-1,3-dichloropropene	U	200
chloromethane	U	200	2-hexanone	U	1000
vinyl chloride	U	200	1,1,2-trichloroethane	U	200
bromomethane	U	200	1,3-dichloropropane	U	200
chloroethane	U	200	tetrachloroethene	5200	200
trichlorofluoromethane	U	200	dibromochloromethane	U	200
diethyl ether	U	1000	1,2-dibromoethane	U	200
acetone	U	1000	chlorobenzene	U	200
1,1-dichloroethene	440	100	1,1,1,2-tetrachloroethane	U	200
methylene chloride	2500	500	ethylbenzene	U	200
carbon disulfide	U	200	m&p-xylenes	U	200
methyl t-butyl ether (MTBE)	U	200	o-xylene	U	200
trans-1,2-dichloroethene	U	200	styrene	U	200
isopropyl ether (DIPE)	U	200	bromoform	U	200
ethyl t-butyl ether (ETBE)	U	200	isopropylbenzene	U	200
1,1-dichloroethane	U	200	1,1,2,2-tetrachloroethane	U	200
t-butanol (TBA)	U	5000	1,2,3-trichloropropane	U	200
2-butanone (MEK)	U	1000	n-propylbenzene	U	200
2,2-dichloropropane	U	200	bromobenzene	U	200
cis-1,2-dichloroethene	U	200	1,3,5-trimethylbenzene	U	200
chloroform	U	200	2-chlorotoluene	U	200
bromochloromethane	U	200	4-chlorotoluene	U	200
tetrahydrofuran (THF)	U	1000	tert-butylbenzene	U	200
1,1,1-trichloroethane	9200	200	1,2,4-trimethylbenzene	U	200
1,1-dichloropropene	U	200	sec-butylbenzene	U	200
t-amyl-methyl ether (TAME)	U	200	1,3-dichlorobenzene	U	200
carbon tetrachloride	U	200	4-isopropyltoluene	U	200
1,2-dichloroethane	300	200	1,4-dichlorobenzene	U	200
benzene	U	200	1,2-dichlorobenzene	U	200
trichloroethene	11000	200	n-butylbenzene	U	200
1,2-dichloropropane	U	200	1,2-dibromo-3-chloropropane	U	200
bromodichloromethane	U	200	1,2,4-trichlorobenzene	U	200
dibromomethane	U	200	hexachlorobutadiene	U	200
4-methyl-2-pentanone (MIBK)	U	1000	naphthalene	U	500
cis-1,3-dichloropropene	U	200	1,2,3-trichlorobenzene	U	200
toluene	610	200	1,4-dioxane	U	5000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	100	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	98	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Quality Control Report

Case Narrative
Lab # 10088

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 6 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested by the customer.

Other
VOC: The following compounds were quantified with quadratic fit:
dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, acetone, dibromochloromethane, isopropylbenzene, tert-butylbenzene, and hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages

No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 10088
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x) No ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 4-14-06

Lab Number:	10088-51
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/29/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	103	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	103	86-115

U = Below quantitation limit

Lab Number: 10088-52
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\032906\V3032924.D
Date Analyzed: 3/29/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	16	79%	18	81%	2%
chloromethane	18	91%	18	91%	1%
vinyl chloride	21	104%	21	107%	2%
bromomethane	17	86%	18	90%	4%
chloroethane	19	97%	19	97%	0%
trichlorofluoromethane	20	99%	20	101%	2%
diethylether	21	106%	20	100%	6%
acetone	18	88%	17	84%	4%
1,1-dichloroethene	20	101%	20	102%	1%
methylene chloride	21	107%	21	107%	0%
carbon disulfide	18	92%	19	95%	3%
methyl-t-butyl ether (MTBE)	41	104%	41	103%	1%
trans-1,2-dichloroethene	20	100%	20	102%	2%
isopropyl ether (DIPE)	21	106%	21	105%	1%
ethyl-t-butyl ether (ETBE)	22	109%	21	106%	2%
1,1-dichloroethane	20	101%	20	101%	1%
t-butanol (TBA)	92	92%	90	90%	2%
2-butanone (MEK)	19	93%	17	87%	6%
2,2-dichloropropane	18	89%	18	90%	0%
cis-1,2-dichloroethene	22	109%	22	108%	2%
chloroform	21	106%	21	106%	0%
bromochloromethane	22	112%	22	110%	2%
tetrahydrofuran (THF)	18	92%	18	89%	3%
1,1,1-trichloroethane	19	95%	19	96%	1%
1,1-dichloropropene	22	108%	21	106%	1%
t-amyl-methyl ether (TAME)	21	106%	21	103%	2%
carbon tetrachloride	15	77%	17	83%	7%
1,2-dichloroethane	20	101%	20	100%	1%
benzene	21	105%	21	107%	2%
trichloroethene	22	109%	20	102%	7%
1,2-dichloropropane	21	107%	20	100%	7%
bromodichloromethane	17	84%	17	86%	2%
dibromomethane	22	108%	21	105%	2%
4-methyl-2-pentanone (MIBK)	20	101%	19	96%	5%
cis-1,3-dichloropropene	19	97%	20	99%	2%
toluene	22	108%	22	108%	0%
trans-1,3-dichloropropene	18	89%	18	89%	0%
2-hexanone	18	92%	17	87%	6%
1,1,2-trichloroethane	22	108%	22	108%	0%
1,3-dichloropropane	20	102%	20	99%	3%
tetrachloroethene	21	105%	20	102%	2%
dibromochloromethane	16	78%	17	83%	6%
1,2-dibromoethane (EDB)	20	98%	20	100%	2%
chlorobenzene	20	99%	19	97%	2%
1,1,1,2-tetrachloroethane	17	86%	18	91%	5%
ethylbenzene	20	102%	21	103%	0%
m&p-xylenes	41	102%	42	104%	2%
o-xylene	21	103%	21	105%	2%
styrene	19	97%	21	104%	7%
bromoform	15	74%	16	79%	7%
isopropylbenzene	22	108%	22	109%	1%
1,1,2,2-tetrachloroethane	17	87%	18	90%	3%
1,2,3-trichloropropane	18	89%	18	92%	4%
n-propylbenzene	20	99%	21	105%	5%
bromobenzene	20	100%	21	105%	4%
1,3,5-trimethylbenzene	19	97%	20	101%	4%
2-chlorotoluene	19	93%	20	98%	5%
4-chlorotoluene	20	99%	20	102%	4%
tert-butylbenzene	17	87%	19	93%	6%
1,2,4-trimethylbenzene	19	94%	21	103%	9%
sec-butylbenzene	19	94%	20	98%	3%
1,3-dichlorobenzene	19	96%	20	99%	3%
4-isopropyltoluene	20	102%	22	109%	6%
1,4-dichlorobenzene	19	93%	19	97%	4%
1,2-dichlorobenzene	19	96%	20	100%	4%
n-butylbenzene	21	106%	22	111%	5%
1,2-dibromo-3-chloropropane *	16	80%	18	88%	9%
1,2,4-trichlorobenzene	20	102%	21	107%	5%
hexachlorobutadiene	17	84%	19	93%	10%
naphthalene	20	101%	20	102%	1%
1,2,3-trichlorobenzene	20	99%	21	105%	6%
1,4-dioxane	36	91%	34	85%	7%
SURROGATE STANDARDS					
SS dibromofluoromethane		95%		97%	
SS toluene-D8		106%		103%	
SS 4-bromofluorobenzene		103%		104%	

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

PAGE ____ OF ____

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10088

Company Name: ES-M	Phone #: 508 2859700
Company Address: 184 West Main St Norton	FAX #: 508 285 9957
Project Manager: Joe Callahan	Site Location (City, State): Hyde Park, MA
Invoice To: ES-M	Project ID / Name: Lewis Chem 2004-301
	Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10088-01	ESM-05B(30-40)	2	✓			✓						3/28/06	0800	AF
02	ESM-05B(40-50)	2	✓			✓						3/28/06	1200	AF
03	ESM-05B(50-60)	2	✓			✓						3/28/06	1500	AF

ANALYSIS REQUEST

☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO
☒ VOC 8260 ☐ VOC8015GRO ☐ VOC 624
☐ VOC 8260 BTEX, MBE, Naphthalene only
☐ VOC 524.2 ☐ VOC 524.2 NH List
☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 ☐ EPH
☐ 8270PAH ☐ 8270ABN ☐ 625
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608
☐ O&G 1664 ☐ O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity
☐ TSS ☐ TDS ☐ TS
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
☐ Total Metals-list ☐ Dissolved Metals-list
☐ Ammonia ☐ COD
☐ T-Phenolics ☐ Phenol
☐ Cyanide ☐ Sulfide
☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC
☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)
☐ Standard Drinking Water Test ☐ Bacteria P/A
Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☐
Other ☒
DSAP

E-Mail Address _____
Quote # _____
PO # _____

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☒ FAX ☐ OTHER (specify) _____
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 6 °C

Lab Use Only

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler: Amanda Gunn	3/28/06	1515	Received by:	3/29/06	15:15
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: Way Bill#:		

10

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10094
Date Received: 3/29/06

Project: 2004-301 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages _____

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Lab Number:	10094-01
Sample Designation:	ESM-05B (60-70)
Date Sampled:	3/29/06
Date Analyzed:	3/30/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	U	40
chloromethane	U	40	2-hexanone	U	200
vinyl chloride	U	40	1,1,2-trichloroethane	U	40
bromomethane	U	40	1,3-dichloropropane	U	40
chloroethane	U	40	tetrachloroethene	3100	40
trichlorofluoromethane	U	40	dibromochloromethane	U	40
diethyl ether	U	200	1,2-dibromoethane	U	40
acetone	U	200	chlorobenzene	U	40
1,1-dichloroethene	220	20	1,1,1,2-tetrachloroethane	U	40
methylene chloride	1000	100	ethylbenzene	U	40
carbon disulfide	U	40	m&p-xylenes	89	40
methyl t-butyl ether (MTBE)	U	40	o-xylene	U	40
trans-1,2-dichloroethene	U	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	isopropylbenzene	U	40
1,1-dichloroethane	U	40	1,1,2,2-tetrachloroethane	U	40
t-butanol (TBA)	U	1000	1,2,3-trichloropropane	U	40
2-butanone (MEK)	U	200	n-propylbenzene	U	40
2,2-dichloropropane	U	40	bromobenzene	U	40
cis-1,2-dichloroethene	U	40	1,3,5-trimethylbenzene	U	40
chloroform	U	40	2-chlorotoluene	U	40
bromochloromethane	U	40	4-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	U	40
1,1,1-trichloroethane	6800	40	1,2,4-trimethylbenzene	U	40
1,1-dichloropropene	U	40	sec-butylbenzene	U	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U	40
carbon tetrachloride	U	40	4-isopropyltoluene	U	40
1,2-dichloroethane	120	40	1,4-dichlorobenzene	U	40
benzene	U	40	1,2-dichlorobenzene	41	40
trichloroethene	7100	40	n-butylbenzene	U	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	U	40
dibromomethane	U	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	U	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
toluene	650	40	1,4-dioxane	U	1000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	95	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	105	86-115

U = Below quantitation limit

Quality Control Report

RESOURCE LABORATORIES, LLC.

Case Narrative
Lab # 10094

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 6 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other

A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromehane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

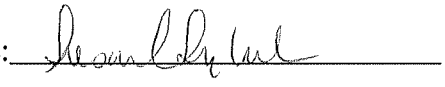
No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 10094
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x) No ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10094-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/30/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	103	86-115

U = Below quantitation limit

Lab Number: 10094-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\033006\V3033024.D
Date Analyzed: 3/30/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	17	84%	16	82%	2%
chloromethane	19	93%	18	92%	0%
vinyl chloride	22	111%	21	106%	4%
bromomethane	18	90%	18	89%	1%
chloroethane	19	96%	19	93%	3%
trichlorofluoromethane	20	102%	20	101%	1%
diethylether	20	102%	21	103%	1%
acetone	17	83%	16	82%	1%
1,1-dichloroethene	20	100%	20	99%	1%
methylene chloride	22	108%	21	107%	0%
carbon disulfide	19	97%	19	94%	2%
methyl-t-butyl ether (MTBE)	39	99%	39	98%	1%
trans-1,2-dichloroethene	21	104%	20	101%	3%
isopropyl ether (DIPE)	21	104%	21	105%	1%
ethyl-t-butyl ether (ETBE)	21	104%	21	103%	2%
1,1-dichloroethane	20	99%	19	97%	1%
t-butanol (TBA)	86	86%	89	89%	3%
2-butanone (MEK)	18	89%	18	90%	0%
2,2-dichloropropane	19	94%	19	94%	1%
cis-1,2-dichloroethene	21	107%	22	108%	1%
chloroform	21	106%	21	103%	3%
bromochloromethane	22	108%	21	107%	1%
tetrahydrofuran (THF)	17	87%	17	87%	0%
1,1,1-trichloroethane	20	101%	20	100%	1%
1,1-dichloropropene	21	106%	21	107%	1%
t-amyl-methyl ether (TAME)	20	101%	20	101%	0%
carbon tetrachloride	17	85%	17	87%	2%
1,2-dichloroethane	20	98%	20	100%	2%
benzene	21	103%	21	106%	2%
trichloroethene	21	105%	21	106%	0%
1,2-dichloropropane	21	104%	21	103%	1%
bromodichloromethane	18	88%	18	91%	4%
dibromomethane	21	106%	21	107%	0%
4-methyl-2-pentanone (MIBK)	20	98%	19	97%	2%
cis-1,3-dichloropropene	20	102%	20	99%	3%
toluene	21	105%	21	107%	2%
trans-1,3-dichloropropene	18	88%	18	92%	5%
2-hexanone	17	86%	17	87%	1%
1,1,2-trichloroethane	21	107%	21	105%	2%
1,3-dichloropropane	19	96%	20	99%	3%
tetrachloroethene	20	100%	21	105%	5%
dibromochloromethane	17	86%	18	88%	2%
1,2-dibromoethane (EDB)	19	97%	20	99%	3%
chlorobenzene	19	96%	20	100%	4%
1,1,1,2-tetrachloroethane	18	92%	19	94%	2%
ethylbenzene	20	99%	20	101%	2%
m&p-xylenes	41	102%	40	101%	1%
o-xylene	20	100%	21	103%	3%
styrene	19	94%	20	102%	9%
bromoform	17	84%	17	86%	3%
isopropylbenzene	21	106%	22	109%	3%
1,1,2,2-tetrachloroethane	17	85%	17	85%	0%
1,2,3-trichloropropane	17	84%	17	86%	2%
n-propylbenzene	20	99%	20	98%	1%
bromobenzene	20	98%	20	98%	0%
1,3,5-trimethylbenzene	19	94%	19	95%	1%
2-chlorotoluene	19	95%	18	90%	5%
4-chlorotoluene	19	93%	19	97%	4%
tert-butylbenzene	18	88%	18	89%	1%
1,2,4-trimethylbenzene	19	95%	19	96%	1%
sec-butylbenzene	19	93%	19	96%	3%
1,3-dichlorobenzene	19	94%	19	94%	0%
4-isopropyltoluene	20	101%	21	103%	3%
1,4-dichlorobenzene	18	89%	18	91%	3%
1,2-dichlorobenzene	18	92%	19	97%	5%
n-butylbenzene	21	103%	21	107%	3%
1,2-dibromo-3-chloropropane *	16	82%	17	87%	6%
1,2,4-trichlorobenzene	18	92%	19	97%	4%
hexachlorobutadiene	17	83%	18	91%	10%
naphthalene	16	80%	17	83%	4%
1,2,3-trichlorobenzene	19	93%	19	94%	1%
1,4-dioxane	35	87%	37	92%	6%

SURROGATE STANDARDS		
SS dibromofluoromethane	100%	99%
SS toluene-D8	106%	104%
SS 4-bromofluorobenzene	103%	104%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

RL Resource Laboratories, LLC
124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10094

Company Name: Environmental Strategies+Mgmt
Phone #: 508 2859700
FAX #: 508 2859957
Company Address: 184 West Main St Norton MA
Site Location (City, State): Hyde Park MA
Project Manager: Joe Callahan
Project ID / Name: 2004-301 / Lewis Chemical
Invoice To: ES+M
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10094-01	ESMGSB(60-76)	2	✓			✓						3/29/06	1130	AP

ANALYSIS REQUEST

☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO
☒ VOC 8260 ☐ VOC8015GRO ☐ VOC 624 ✓
☐ VOC 8260 BTEX, MIBE, Naphthalene only
☐ VOC 524.2 ☐ VOC 524.2 NH List
☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 ☐ EPH
☐ 8270PAH ☐ 8270ABN ☐ 625
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608
☐ O&G 1664 ☐ O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity
☐ TSS ☐ TDS ☐ TS
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
☐ Total Metals-list ☐ Dissolved Metals-list
☐ Ammonia ☐ COD
☐ T-Phosphate ☐ Phenol
☐ Cyanide ☐ Sulfide
☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC
☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)
☐ Standard Drinking Water Test ☐ Bacteria P/A
Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☐
Other ☒
ASAP

E-Mail Address
Quote #
PO #

SPECIAL INSTRUCTIONS
Call Joe Callahan w/ results

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 6.0 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
	Amanda Freeman	3/29/06	1350		3/29/06	13:50
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	Date	Time

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10103
Date Received: 3/30/06

Project: 2004-301 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages 9

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Lab Number:	10103-01
Sample Designation:	ESM-03B (50-60)
Date Sampled:	3/30/06
Date Analyzed:	4/1/06
Matrix:	Water
Instrument Dilution Factor:	500
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	1000	trans-1,3-dichloropropene	U	1000
chloromethane	U	1000	2-hexanone	U	5000
vinyl chloride	U	1000	1,1,2-trichloroethane	U	1000
bromomethane	U	1000	1,3-dichloropropane	U	1000
chloroethane	U	1000	tetrachloroethene	13000	1000
trichlorofluoromethane	U	1000	dibromochloromethane	U	1000
diethyl ether	U	5000	1,2-dibromoethane	U	1000
acetone	U	5000	chlorobenzene	U	1000
1,1-dichloroethene	3500	500	1,1,1,2-tetrachloroethane	U	1000
methylene chloride	12000	3000	ethylbenzene	U	1000
carbon disulfide	U	1000	m&p-xylenes	U	1000
methyl t-butyl ether (MTBE)	U	1000	o-xylene	U	1000
trans-1,2-dichloroethene	U	1000	styrene	U	1000
isopropyl ether (DIPE)	U	1000	bromoform	U	1000
ethyl t-butyl ether (ETBE)	U	1000	isopropylbenzene	U	1000
1,1-dichloroethane	U	1000	1,1,2,2-tetrachloroethane	U	1000
t-butanol (TBA)	U	30000	1,2,3-trichloropropane	U	1000
2-butanone (MEK)	U	5000	n-propylbenzene	U	1000
2,2-dichloropropane	U	1000	bromobenzene	U	1000
cis-1,2-dichloroethene	U	1000	1,3,5-trimethylbenzene	U	1000
chloroform	U	1000	2-chlorotoluene	U	1000
bromochloromethane	U	1000	4-chlorotoluene	U	1000
tetrahydrofuran (THF)	U	5000	tert-butylbenzene	U	1000
1,1,1-trichloroethane	24000	1000	1,2,4-trimethylbenzene	U	1000
1,1-dichloropropene	U	1000	sec-butylbenzene	U	1000
t-amyl-methyl ether (TAME)	U	1000	1,3-dichlorobenzene	U	1000
carbon tetrachloride	U	1000	4-Isopropyltoluene	U	1000
1,2-dichloroethane	1700	1000	1,4-dichlorobenzene	U	1000
benzene	U	1000	1,2-dichlorobenzene	U	1000
trichloroethene	58000	1000	n-butylbenzene	U	1000
1,2-dichloropropane	U	1000	1,2-dibromo-3-chloropropane	U	1000
bromodichloromethane	U	1000	1,2,4-trichlorobenzene	U	1000
dibromomethane	U	1000	hexachlorobutadiene	U	1000
4-methyl-2-pentanone (MIBK)	U	5000	naphthalene	U	3000
cis-1,3-dichloropropene	U	1000	1,2,3-trichlorobenzene	U	1000
toluene	2000	1000	1,4-dioxane	U	30000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	108	88-110
4-bromofluorobenzene	102	86-115

U = Below quantitation limit

Lab Number:	10103-02
Sample Designation:	ESM-03B (60-70)
Date Sampled:	3/30/06
Date Analyzed:	4/1/06
Matrix:	Water
Instrument Dilution Factor:	500
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	1000	trans-1,3-dichloropropene	U	1000
chloromethane	U	1000	2-hexanone	U	5000
vinyl chloride	U	1000	1,1,2-trichloroethane	U	1000
bromomethane	U	1000	1,3-dichloropropane	U	1000
chloroethane	U	1000	tetrachloroethene	20000	1000
trichlorofluoromethane	U	1000	dibromochloromethane	U	1000
diethyl ether	U	5000	1,2-dibromoethane	U	1000
acetone	U	5000	chlorobenzene	U	1000
1,1-dichloroethene	4900	500	1,1,1,2-tetrachloroethane	U	1000
methylene chloride	29000	3000	ethylbenzene	U	1000
carbon disulfide	U	1000	m&p-xylenes	U	1000
methyl t-butyl ether (MTBE)	U	1000	o-xylene	U	1000
trans-1,2-dichloroethene	U	1000	styrene	U	1000
isopropyl ether (DIPE)	U	1000	bromoform	U	1000
ethyl t-butyl ether (ETBE)	U	1000	isopropylbenzene	U	1000
1,1-dichloroethane	1000	1000	1,1,2,2-tetrachloroethane	U	1000
t-butanol (TBA)	U	30000	1,2,3-trichloropropane	U	1000
2-butanone (MEK)	U	5000	n-propylbenzene	U	1000
2,2-dichloropropane	U	1000	bromobenzene	U	1000
cis-1,2-dichloroethene	U	1000	1,3,5-trimethylbenzene	U	1000
chloroform	U	1000	2-chlorotoluene	U	1000
bromochloromethane	U	1000	4-chlorotoluene	U	1000
tetrahydrofuran (THF)	U	5000	tert-butylbenzene	U	1000
1,1,1-trichloroethane	49000	1000	1,2,4-trimethylbenzene	U	1000
1,1-dichloropropene	U	1000	sec-butylbenzene	U	1000
t-amyl-methyl ether (TAME)	U	1000	1,3-dichlorobenzene	U	1000
carbon tetrachloride	U	1000	4-isopropyltoluene	U	1000
1,2-dichloroethane	3900	1000	1,4-dichlorobenzene	U	1000
benzene	U	1000	1,2-dichlorobenzene	U	1000
trichloroethene	100000	1000	n-butylbenzene	U	1000
1,2-dichloropropane	U	1000	1,2-dibromo-3-chloropropane	U	1000
bromodichloromethane	U	1000	1,2,4-trichlorobenzene	U	1000
dibromomethane	U	1000	hexachlorobutadiene	U	1000
4-methyl-2-pentanone (MIBK)	U	5000	naphthalene	U	3000
cis-1,3-dichloropropene	U	1000	1,2,3-trichlorobenzene	U	1000
toluene	6600	1000	1,4-dioxane	U	30000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	100	78-114
toluene-D8	105	88-110
4-bromofluorobenzene	100	86-115

U = Below quantitation limit

Quality Control Report

RESOURCE LABORATORIES, LLC.

Case Narrative
Lab # 10103

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 10 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
The RPD between the LCS and LCSD for Styrene was above the acceptance limit. The recoveries for both were acceptable. No data impact expected.

No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other
A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC				Lab # 10103	
Project Location Hyde Park		Project #		MADEP RTN (if available)	
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10103-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	3/31/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	98	86-115

U = Below quantitation limit

Lab Number: 10103-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\033106\V3033134.D
Date Analyzed: 4/1/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD	
Compound	Amount Found	% Recovery	Amount Found	% Recovery		
dichlorodifluoromethane	16	81%	16	80%	1%	
chloromethane	18	91%	18	90%	1%	
vinyl chloride	20	100%	21	105%	5%	
bromomethane	17	83%	18	88%	5%	
chloroethane	19	96%	19	94%	3%	
trichlorofluoromethane	20	100%	21	103%	3%	
diethylether	21	103%	20	102%	1%	
acetone	17	87%	17	87%	0%	
1,1-dichloroethene	19	96%	20	102%	6%	
methylene chloride	21	106%	22	108%	2%	
carbon disulfide	19	93%	19	94%	1%	
methyl-t-butyl ether (MTBE)	40	100%	41	102%	2%	
trans-1,2-dichloroethene	21	104%	21	104%	0%	
isopropyl ether (DIPE)	21	106%	22	111%	5%	
ethyl-t-butyl ether (ETBE)	21	103%	21	106%	3%	
1,1-dichloroethane	19	97%	20	102%	5%	
t-butanol (TBA)	84	84%	89	89%	6%	
2-butanone (MEK)	18	89%	19	93%	5%	
2,2-dichloropropane	14	70%	14	72%	3%	
cis-1,2-dichloroethene	22	108%	22	110%	2%	
chloroform	21	104%	22	108%	3%	
bromochloromethane	21	107%	23	113%	5%	
tetrahydrofuran (THF)	18	90%	19	94%	5%	
1,1,1-trichloroethane	20	99%	21	103%	4%	
1,1-dichloropropene	21	105%	20	102%	3%	
t-amyl-methyl ether (TAME)	20	101%	20	102%	1%	
carbon tetrachloride	17	85%	18	89%	4%	
1,2-dichloroethane	20	99%	21	103%	4%	
benzene	21	107%	22	108%	1%	
trichloroethene	22	108%	22	108%	0%	
1,2-dichloropropane	21	104%	20	102%	2%	
bromodichloromethane	18	90%	18	91%	1%	
dibromomethane	22	108%	22	111%	2%	
4-methyl-2-pentanone (MIBK)	18	92%	20	99%	7%	
cis-1,3-dichloropropene	19	96%	20	99%	3%	
toluene	22	108%	21	106%	2%	
trans-1,3-dichloropropene	17	85%	18	88%	3%	
2-hexanone	16	82%	17	87%	6%	
1,1,2-trichloroethane	21	103%	21	104%	1%	
1,3-dichloropropane	19	97%	21	104%	7%	
tetrachloroethene	20	101%	22	109%	8%	
dibromochloromethane	18	89%	19	96%	8%	
1,2-dibromoethane (EDB)	19	97%	20	100%	3%	
chlorobenzene	19	96%	20	99%	3%	
1,1,1,2-tetrachloroethane	18	91%	20	98%	7%	
ethylbenzene	19	97%	21	103%	6%	
m&p-xylenes	40	101%	41	104%	3%	
o-xylene	20	100%	20	102%	3%	
styrene	15	74%	20	101%	31%	+
bromoform	17	87%	19	93%	7%	
isopropylbenzene	21	103%	22	111%	8%	
1,1,2,2-tetrachloroethane	17	85%	17	87%	2%	
1,2,3-trichloropropane	17	85%	17	83%	2%	
n-propylbenzene	19	97%	20	98%	1%	
bromobenzene	20	98%	19	97%	1%	
1,3,5-trimethylbenzene	19	93%	19	96%	3%	
2-chlorotoluene	18	92%	19	94%	2%	
4-chlorotoluene	18	90%	19	93%	3%	
tert-butylbenzene	17	85%	18	89%	5%	
1,2,4-trimethylbenzene	19	93%	19	97%	4%	
sec-butylbenzene	17	87%	19	94%	7%	
1,3-dichlorobenzene	19	93%	19	93%	0%	
4-isopropyltoluene	20	98%	20	102%	4%	
1,4-dichlorobenzene	18	90%	18	90%	0%	
1,2-dichlorobenzene	19	95%	19	97%	3%	
n-butylbenzene	19	97%	20	101%	4%	
1,2-dibromo-3-chloropropane (	17	83%	17	85%	3%	
1,2,4-trichlorobenzene	17	87%	18	88%	0%	
hexachlorobutadiene	17	83%	17	86%	4%	
naphthalene	14	71%	15	77%	7%	
1,2,3-trichlorobenzene	17	87%	18	91%	4%	
1,4-dioxane	35	88%	36	89%	2%	

SURROGATE STANDARDS

SS dibromofluoromethane	99%	101%
SS toluene-D8	106%	108%
SS 4-bromofluorobenzene	103%	109%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

+ The RPD between LCS and LCS duplicate was above the acceptance limit. The recoveries for both were acceptable.

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 10103

Company Name: ENVIRONMENTAL STRATEGIES & MGMT
Phone #: (508) 285-9700
FAX #: (508) 285-9957
Company Address: 184 WEST MAIN ST NORTON MA
Site Location (City, State): HYDE PARK, MA
Project Manager: JOE CALLAHAN
Project ID / Name: 2004-301 / LEWIS CHEMICAL
Invoice To: ES+M
Protocol: RCRA SDWA NPDES MCP NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10103-1	ESM-033B (50-60')	2	✓			✓						3/30/06	0815	RF
-2	ESM-033B (60-70')	2	✓			✓						3/30/06	1230	RF

ANALYSIS REQUEST

- ☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO
- ☐ VOC 8260 ☐ VOC8015GRO ☐ VOC 624 — ✓ ✓
- ☐ VOC 8260 BTEX, MtBE, Naphthalene only
- ☐ VOC 524.2 ☐ VOC 524.2 NH List
- ☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 ☐ EPH
- ☐ 8270PAH ☐ 8270ABN ☐ 625
- ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608
- ☐ O&G 1664 ☐ O&G SM5520F
- ☐ pH ☐ BOD ☐ Conductivity
- ☐ TSS ☐ TDS ☐ TS
- ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
- ☐ Total Metals-list ☐ Dissolved Metals-list
- ☐ Ammonia ☐ COD
- ☐ T-Phosphate ☐ Phenol
- ☐ Cyanide ☐ Sulfide
- ☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride
- ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
- ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC
- ☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)
- ☐ Standard Drinking Water Test ☐ Bacteria P/A
- Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☐
Other ☑
ASAP

E-Mail Address
Quote #
PO #

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☐ YES ☐ NO
TEMPERATURE 10 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
		3/30/06	1300		3/30/06	13:00
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	Date	Time

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10105
Date Received: 3/31/06

Project: 2004-301 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

This is a reissue of report 10061, including the associated batch QC, case narrative and MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

2-2-07
Date

Total number of pages _____

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Lab Number:	10105-01
Sample Designation:	ESM-08B(40-50)
Date Sampled:	3/31/06
Date Analyzed:	4/3/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	250	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	2	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	2	2
carbon disulfide	U	2	m&p-xylenes	5	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	40	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	6	2
trichloroethene	350	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	24	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	96	78-114
toluene-D8	108	88-110
4-bromofluorobenzene	106	86-115

U = Below quantitation limit

Quality Control Report

RESOURCE LABORATORIES, LLC.

Case Narrative
Lab # 10105

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 12 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
No exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other

A quadratic curve fit was used in the initial calibration for the following compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Acetone, Dibromochloromethane, Isopropylbenzene, Tert-butylbenzene, and Hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC				Lab # 10105	
Project Location Hyde Park		Project #		MADEP RTN (if available)	
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x) No ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Susan C Sylvester Position: Lab Director

Printed Name: Susan C. Sylvester Date: 2-2-07

Lab Number:	10105-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	4/3/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	100	86-115

U = Below quantitation limit.

Lab Number: 10105-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\040306\V3040324.D
Date Analyzed: 4/3/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	18	88%	17	86%	2%
chloromethane	20	100%	19	94%	5%
vinyl chloride	22	112%	21	104%	7%
bromomethane	20	99%	19	95%	4%
chloroethane	21	103%	20	100%	3%
trichlorofluoromethane	22	111%	21	104%	7%
diethylether	22	109%	22	110%	0%
acetone	18	88%	18	89%	1%
1,1-dichloroethene	22	111%	21	106%	5%
methylene chloride	23	114%	22	111%	2%
carbon disulfide	21	104%	20	98%	6%
methyl-t-butyl ether (MTBE)	43	108%	42	104%	4%
trans-1,2-dichloroethene	23	114%	22	109%	5%
isopropyl ether (DIPE)	23	116%	22	112%	4%
ethyl-t-butyl ether (ETBE)	23	113%	22	111%	2%
1,1-dichloroethane	22	108%	21	106%	2%
t-butanol (TBA)	95	95%	94	94%	2%
2-butanone (MEK)	19	96%	19	96%	0%
2,2-dichloropropane	21	103%	20	99%	4%
cis-1,2-dichloroethene	24	118%	23	115%	3%
chloroform	23	117%	23	115%	1%
bromochloromethane	24	120%	24	121%	1%
tetrahydrofuran (THF)	19	94%	19	96%	3%
1,1,1-trichloroethane	22	112%	22	110%	2%
1,1-dichloropropene	23	117%	23	113%	3%
t-amyl-methyl ether (TAME)	22	110%	23	115%	4%
carbon tetrachloride	18	92%	19	94%	2%
1,2-dichloroethane	22	110%	22	109%	1%
benzene	24	119%	23	116%	2%
trichloroethene	23	114%	23	115%	1%
1,2-dichloropropane	22	109%	22	110%	2%
bromodichloromethane	19	96%	20	98%	1%
dibromomethane	24	118%	23	115%	2%
4-methyl-2-pentanone (MIBK)	21	103%	21	103%	0%
cis-1,3-dichloropropene	22	109%	22	110%	0%
toluene	24	120%	23	116%	3%
trans-1,3-dichloropropene	19	97%	19	96%	1%
2-hexanone	19	93%	19	95%	3%
1,1,2-trichloroethane	23	114%	23	115%	1%
1,3-dichloropropane	21	104%	20	99%	5%
tetrachloroethene	22	109%	21	105%	4%
dibromochloromethane	18	89%	18	92%	3%
1,2-dibromoethane (EDB)	20	100%	20	101%	1%
chlorobenzene	20	102%	20	98%	4%
1,1,1,2-tetrachloroethane	19	94%	19	96%	2%
ethylbenzene	21	106%	21	103%	3%
m&p-xylenes	43	107%	42	106%	0%
o-xylene	22	108%	21	106%	2%
styrene	21	103%	19	97%	6%
bromoform	18	88%	18	90%	3%
isopropylbenzene	23	114%	22	110%	4%
1,1,2,2-tetrachloroethane	18	92%	17	87%	6%
1,2,3-trichloropropane	18	89%	17	86%	4%
n-propylbenzene	21	105%	20	98%	7%
bromobenzene	21	104%	20	101%	4%
1,3,5-trimethylbenzene	19	97%	18	92%	5%
2-chlorotoluene	19	97%	18	92%	5%
4-chlorotoluene	20	99%	19	94%	5%
tert-butylbenzene	18	92%	18	90%	2%
1,2,4-trimethylbenzene	20	101%	20	99%	2%
sec-butylbenzene	20	101%	18	91%	10%
1,3-dichlorobenzene	20	99%	19	95%	4%
4-isopropyltoluene	22	108%	21	104%	4%
1,4-dichlorobenzene	19	96%	19	93%	3%
1,2-dichlorobenzene	21	103%	19	97%	5%
n-butylbenzene	22	109%	21	106%	2%
1,2-dibromo-3-chloropropane *	17	87%	17	87%	0%
1,2,4-trichlorobenzene	20	101%	19	96%	5%
hexachlorobutadiene	19	94%	19	93%	1%
naphthalene	17	85%	17	85%	0%
1,2,3-trichlorobenzene	20	101%	20	100%	1%
1,4-dioxane	37	92%	36	90%	3%

SURROGATE STANDARDS		
SS dibromofluoromethane	104%	102%
SS toluene-D8	107%	110%
SS 4-bromofluorobenzene	108%	103%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10105

Company Name: ENVIRONMENTAL STRATEGIES & MGMT
Phone #: (508) 285-9700
FAX #: (508) 285-9957
Company Address: 184 WEST MAIN ST NORTON MA
Site Location (City, State): HYDE PARK MA
Project Manager: JOE CALLAHAN
Project ID / Name: 2004-301 / LEWIS CHEMICAL
Invoice To: ES-M
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
-01	ESM-03 (40-50)	2	✓			✓						3/31/06	0845	AF

ANALYSIS REQUEST

☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO	☐ VOC 8260 ☐ VOC8015GRO ☐ VOC 624	☐ VOC 8260 BTEX, MtBE, Naphthalene only	☐ VOC 524.2 ☐ VOC 524.2 NH List	☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 ☐ EPH	☐ 8270PAH ☐ 8270ABN ☐ 625	☐ 8082 PCB ☐ 8081 Pesticides ☐ 608	☐ O&G 1664 ☐ O&G SM5520F	☐ pH ☐ BOD ☐ Conductivity	☐ TSS ☐ TDS ☐ TS	☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals	☐ Total Metals-list ☐ Dissolved Metals-list	☐ Ammonia ☐ COD	☐ T-Phosphate ☐ Phenol	☐ Cyanide ☐ Sulfide	☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride	☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP	☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC	☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract)	☐ Standard Drinking Water Test ☐ Bacteria P/A	Grab (G) or Composite (C)
	✓																		

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☐
Other ☒
ASAP

E-Mail Address
Quote #
PO #

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 17 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
	Amanda	3/31/06	1200			
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
				Way Bill#:	3/31/06	12:00

RL Resource Laboratories, LLC

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10154
Date Received: 4/7/06

Project: 2006-056 DND Lewis

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

4-27-06
Date

Total number of pages 71

Resource Laboratories, LLC Certifications

New Hampshire	NH902	Connecticut	PH-0146
Maine	NH903	Massachusetts	M-NH902

124 Heritage Avenue #10 Portsmouth NH 03801
Voice: 603-436-2001 Fax: 603-430-2100
www.reslabs.com

Lab Number:	10154-05
Sample Designation:	ESM14
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	1
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	330	100
Unadjusted C9-C12 Aliphatics (1)	N/A	330	100
methyl-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	U	1
toluene	C5-C8	11	2
ethylbenzene	C9-C12	240	2
m&p-xylenes	C9-C12	42	2
o-xylene	C9-C12	12	2
naphthalene	N/A	U	5
C5-C8 Aliphatics (1,2)	N/A	320	100
C9-C12 Aliphatics (1,3)	N/A	U	100
C9-C10 Aromatics (1)	N/A	U	100
Surrogate Recovery			
2,5-dibromotoluene as aromatic		93%	
2,5-dibromotoluene as aliphatic		95%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or Internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10154-06
Sample Designation:	DUP
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	1
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	380	100
Unadjusted C9-C12 Aliphatics (1)	N/A	390	100
methyl-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	U	1
toluene	C5-C8	14	2
ethylbenzene	C9-C12	290	2
m&p-xylenes	C9-C12	51	2
o-xylene	C9-C12	14	2
naphthalene	N/A	U	5
C5-C8 Aliphatics (1,2)	N/A	360	100
C9-C12 Aliphatics (1,3)	N/A	U	100
C9-C10 Aromatics (1)	N/A	U	100

Surrogate Recovery	
2,5-dibromotoluene as aromatic	99%
2,5-dibromotoluene as aliphatic	102%
Surrogate Acceptance Range	70-130%

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10154-07
Sample Designation:	ESM13
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	5
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	4000	500
Unadjusted C9-C12 Aliphatics (1)	N/A	6200	500
methyl-t-butyl ether (MTBE)	C5-C8	U	10
benzene	C5-C8	U	5
toluene	C5-C8	370	10
ethylbenzene	C9-C12	1600	10
m&p-xylenes	C9-C12	2200	10
o-xylene	C9-C12	390	10
naphthalene	N/A	U	30
C5-C8 Aliphatics (1,2)	N/A	3600	500
C9-C12 Aliphatics (1,3)	N/A	U	500
C9-C10 Aromatics (1)	N/A	2100	500
Surrogate Recovery			
2,5-dibromotoluene as aromatic		106%	
2,5-dibromotoluene as aliphatic		108%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10154-08
Sample Designation:	ESM-8B
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	1
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	U	100
Unadjusted C9-C12 Aliphatics (1)	N/A	U	100
methyl-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	U	1
toluene	C5-C8	U	2
ethylbenzene	C9-C12	U	2
m&p-xylenes	C9-C12	U	2
o-xylene	C9-C12	U	2
naphthalene	N/A	U	5
C5-C8 Allphatics (1,2)	N/A	U	100
C9-C12 Aliphatics (1,3)	N/A	U	100
C9-C10 Aromatics (1)	N/A	U	100
Surrogate Recovery			
2,5-dibromotoluene as aromatic		94%	
2,5-dibromotoluene as aliphatic		96%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10154-09
Sample Designation:	ESM-8
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	1
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Allphatics (1)	N/A	340	100
Unadjusted C9-C12 Aliphatics (1)	N/A	U	100
methyl-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	U	1
toluene	C5-C8	U	2
ethylbenzene	C9-C12	U	2
m&p-xylenes	C9-C12	U	2
o-xylene	C9-C12	U	2
naphthalene	N/A	U	5
C5-C8 Aliphatics (1,2)	N/A	340	100
C9-C12 Aliphatics (1,3)	N/A	U	100
C9-C10 Aromatics (1)	N/A	U	100
Surrogate Recovery			
2,5-dibromotoluene as aromatic		104%	
2,5-dibromotoluene as aliphatic		103%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10154-10
Sample Designation:	ESM-3
Date Sampled:	4/7/06
Date Received:	4/7/06
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	100
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	190000	10000
Unadjusted C9-C12 Aliphatics (1)	N/A	14000	10000
methyl-t-butyl ether (MTBE)	C5-C8	U	200
benzene	C5-C8	U	100
toluene	C5-C8	40000	200
ethylbenzene	C9-C12	1600	200
m&p-xylenes	C9-C12	5300	200
o-xylene	C9-C12	1400	200
naphthalene	N/A	U	500
C5-C8 Aliphatics (1,2)	N/A	150000	10000
C9-C12 Aliphatics (1,3)	N/A	U	10000
C9-C10 Aromatics (1)	N/A	U	10000

Surrogate Recovery	
2,5-dibromotoluene as aromatic	101%
2,5-dibromotoluene as aliphatic	103%
Surrogate Acceptance Range	70-130%

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Allphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10154-01
Sample Designation:	ESM11
Date Sampled:	4/6/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	2	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	5	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	92	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-03
Sample Designation:	ESM12
Date Sampled:	4/6/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	89	78-114
toluene-D8	100	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-04
Sample Designation:	ESM02
Date Sampled:	4/6/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	17	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	18	2
carbon disulfide	U	2	m&p-xylenes	10	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	6	2
trans-1,2-dichloroethene	2	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	2	2
1,1-dichloroethane	69	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	5	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	4	2	1,2,4-trimethylbenzene	34	2
1,1-dichloropropene	U	2	sec-butylbenzene	12	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	11	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	6	2
benzene	U	2	1,2-dichlorobenzene	98	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	14	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	19	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	114	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-05
Sample Designation:	ESM14
Date Sampled:	4/6/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	20	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	8	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	2	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	270	2
carbon disulfide	U	2	m&p-xylenes	44	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	13	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	42	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	15	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	8	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	12	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	95	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-07
Sample Designation:	ESM13
Date Sampled:	4/6/06
Date Analyzed:	4/12/06
Matrix:	Water
Instrument Dilution Factor:	5
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	10	trans-1,3-dichloropropene	U	10
chloromethane	U	10	2-hexanone	U	50
vinyl chloride	61	10	1,1,2-trichloroethane	U	10
bromomethane	U	10	1,3-dichloropropane	U	10
chloroethane	U	10	tetrachloroethene	150	10
trichlorofluoromethane	U	10	dibromochloromethane	U	10
diethyl ether	U	50	1,2-dibromoethane	U	10
acetone	U	50	chlorobenzene	U	10
1,1-dichloroethene	U	5	1,1,1,2-tetrachloroethane	U	10
methylene chloride	38	30	ethylbenzene	1700	10
carbon disulfide	U	10	m&p-xylenes	2400	10
methyl t-butyl ether (MTBE)	U	10	o-xylene	370	10
trans-1,2-dichloroethene	U	10	styrene	U	10
isopropyl ether (DIPE)	U	10	bromoform	U	10
ethyl t-butyl ether (ETBE)	U	10	isopropylbenzene	U	10
1,1-dichloroethane	25	10	1,1,2,2-tetrachloroethane	U	10
t-butanol (TBA)	U	300	1,2,3-trichloropropane	U	10
2-butanone (MEK)	U	50	n-propylbenzene	U	10
2,2-dichloropropane	U	10	bromobenzene	U	10
cis-1,2-dichloroethene	2200	10	1,3,5-trimethylbenzene	U	10
chloroform	U	10	2-chlorotoluene	U	10
bromochloromethane	U	10	4-chlorotoluene	U	10
tetrahydrofuran (THF)	U	50	tert-butylbenzene	U	10
1,1,1-trichloroethane	14	10	1,2,4-trimethylbenzene	14	10
1,1-dichloropropene	U	10	sec-butylbenzene	15	10
t-amyl-methyl ether (TAME)	U	10	1,3-dichlorobenzene	U	10
carbon tetrachloride	U	10	4-isopropyltoluene	130	10
1,2-dichloroethane	20	10	1,4-dichlorobenzene	U	10
benzene	U	10	1,2-dichlorobenzene	U	10
trichloroethene	57	10	n-butylbenzene	U	10
1,2-dichloropropane	U	10	1,2-dibromo-3-chloropropane	U	10
bromodichloromethane	U	10	1,2,4-trichlorobenzene	U	10
dibromomethane	U	10	hexachlorobutadiene	U	10
4-methyl-2-pentanone (MIBK)	U	50	naphthalene	U	30
cis-1,3-dichloropropene	U	10	1,2,3-trichlorobenzene	U	10
toluene	340	10	1,4-dioxane	U	300

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	92	78-114
toluene-D8	101	88-110
4-bromofluorobenzene	106	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-08
Sample Designation:	ESM-8B
Date Sampled:	4/6/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	6	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	2	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	7	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	93	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	105	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-09
Sample Designation:	ESM-8
Date Sampled:	4/6/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	12	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	44	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	16	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	42	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	17	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	11	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	39	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	91	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	104	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-10
Sample Designation:	ESM-3
Date Sampled:	4/7/06
Date Analyzed:	4/14/06
Matrix:	Water
Instrument Dilution Factor:	200
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	U	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	U	400	1,1,2-trichloroethane	U	400
bromomethane	U	400	1,3-dichloropropane	U	400
chloroethane	U	400	tetrachloroethene	4300	400
trichlorofluoromethane	U	400	dibromochloromethane	U	400
diethyl ether	U	2000	1,2-dibromoethane	U	400
acetone	U	2000	chlorobenzene	U	400
1,1-dichloroethene	310	200	1,1,1,2-tetrachloroethane	U	400
methylene chloride	U	1000	ethylbenzene	1200	400
carbon disulfide	U	400	m&p-xylenes	4000	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	1200	400
trans-1,2-dichloroethene	U	400	styrene	U	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	1600	400	1,1,2,2-tetrachloroethane	U	400
t-butanol (TBA)	U	8000	1,2,3-trichloropropane	U	400
2-butanone (MEK)	U	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	63000	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	U	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	U	400
1,1,1-trichloroethane	25000	400	1,2,4-trimethylbenzene	U	400
1,1-dichloropropene	U	400	sec-butylbenzene	U	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	U	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	U	400	1,4-dichlorobenzene	U	400
benzene	U	400	1,2-dichlorobenzene	850	400
trichloroethene	9400	400	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	U	400
bromodichloromethane	U	400	1,2,4-trichlorobenzene	U	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	U	1000
cis-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	U	400
toluene	36000	400			

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	93	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-13
Sample Designation:	ESM-16
Date Sampled:	4/7/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	2	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	41	2
carbon disulfide	U	2	m&p-xylenes	100	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	16	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	3	2
1,1-dichloroethane	14	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	2	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	3	2	1,3,5-trimethylbenzene	7	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	3	2	1,2,4-trimethylbenzene	15	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	110	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	3	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	110	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	106	88-110
4-bromofluorobenzene	109	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-14
Sample Designation:	ESM-03B-D
Date Sampled:	4/7/06
Date Analyzed:	4/14/06
Matrix:	Water
Instrument Dilution Factor:	200
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	U	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	U	400	1,1,2-trichloroethane	U	400
bromomethane	U	400	1,3-dichloropropane	U	400
chloroethane	U	400	tetrachloroethene	14000	400
trichlorofluoromethane	U	400	dibromochloromethane	U	400
diethyl ether	U	2000	1,2-dibromoethane	U	400
acetone	U	2000	chlorobenzene	U	400
1,1-dichloroethene	3000	200	1,1,1,2-tetrachloroethane	U	400
methylene chloride	12000	1000	ethylbenzene	U	400
carbon disulfide	U	400	m&p-xylenes	U	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	U	400
trans-1,2-dichloroethene	U	400	styrene	U	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	430	400	1,1,2,2-tetrachloroethane	U	400
t-butanol (TBA)	U	8000	1,2,3-trichloropropane	U	400
2-butanone (MEK)	U	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	U	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	U	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	U	400
1,1,1-trichloroethane	23000	400	1,2,4-trimethylbenzene	U	400
1,1-dichloropropene	U	400	sec-butylbenzene	U	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	U	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	1600	400	1,4-dichlorobenzene	U	400
benzene	U	400	1,2-dichlorobenzene	U	400
trichloroethene	57000	400	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	U	400
bromodichloromethane	U	400	1,2,4-trichlorobenzene	U	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	U	1000
cis-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	U	400
toluene	2500	400			

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	95	78-114
toluene-D8	108	88-110
4-bromofluorobenzene	97	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-15
Sample Designation:	ESM-03B-S
Date Sampled:	4/7/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	U	40
chloromethane	U	40	2-hexanone	U	200
vinyl chloride	U	40	1,1,2-trichloroethane	U	40
bromomethane	U	40	1,3-dichloropropane	U	40
chloroethane	U	40	tetrachloroethene	6900	40
trichlorofluoromethane	U	40	dibromochloromethane	U	40
diethyl ether	U	200	1,2-dibromoethane	U	40
acetone	U	200	chlorobenzene	U	40
1,1-dichloroethene	1200	20	1,1,1,2-tetrachloroethane	U	40
methylene chloride	2900	100	ethylbenzene	55	40
carbon disulfide	U	40	m&p-xylenes	61	40
methyl t-butyl ether (MTBE)	U	40	o-xylene	U	40
trans-1,2-dichloroethene	U	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	isopropylbenzene	U	40
1,1-dichloroethane	230	40	1,1,2,2-tetrachloroethane	U	40
t-butanol (TBA)	U	800	1,2,3-trichloropropane	U	40
2-butanone (MEK)	U	200	n-propylbenzene	U	40
2,2-dichloropropane	U	40	bromobenzene	U	40
cis-1,2-dichloroethene	92	40	1,3,5-trimethylbenzene	U	40
chloroform	U	40	2-chlorotoluene	U	40
bromochloromethane	U	40	4-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	U	40
1,1,1-trichloroethane	7800	40	1,2,4-trimethylbenzene	U	40
1,1-dichloropropene	U	40	sec-butylbenzene	U	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U	40
carbon tetrachloride	U	40	4-isopropyltoluene	U	40
1,2-dichloroethane	470	40	1,4-dichlorobenzene	U	40
benzene	U	40	1,2-dichlorobenzene	140	40
trichloroethene	19000 D	100	n-butylbenzene	U	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	U	40
dibromomethane	U	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	U	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
toluene	420	40			

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	93	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	102	86-115

D = Result obtained by a re-analysis at a dilution.
U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-16
Sample Designation:	ESM-01
Date Sampled:	4/7/06
Date Analyzed:	4/13/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	22	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	54	2	tetrachloroethene	21	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	9	2
carbon disulfide	U	2	m&p-xylenes	3	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	4	2
trans-1,2-dichloroethene	3	2	styrene	U	2
Isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	110	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	13	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	18	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	11	2
1,2-dichloroethane	3	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	83	2
trichloroethene	16	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	8	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	92	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	111	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-05
Sample Designation:	ESM14
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Extracted:	4/11/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1
Method for Target Analytes: EPA 8270C

	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	U	0.5	4/20/06
2-methylnaphthalene	U	0.5	4/20/06
phenanthrene	U	0.5	4/20/06
acenaphthene	U	0.5	4/20/06
Other PAH Analytes:			
acenaphthylene	U	0.5	4/20/06
fluorene	U	0.5	4/20/06
anthracene	U	0.5	4/20/06
fluoranthene	1.2	0.5	4/20/06
pyrene	1.1	0.5	4/20/06
benzo(a)anthracene	0.7	0.5	4/20/06
chrysene	0.7	0.5	4/20/06
benzo(b)fluoranthene	1.2	0.5	4/20/06
benzo(k)fluoranthene	0.6	0.5	4/20/06
benzo(a)pyrene	0.9	0.2	4/20/06
indeno(1,2,3-cd)pyrene	0.7	0.5	4/20/06
dibenzo(a,h)anthracene	U	0.5	4/20/06
benzo(g,h,i)perylene	0.8	0.5	4/20/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	200	4/20/06
C9-C18 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	200	4/20/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	10% #		
o-terphenyl	23% #		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	101%		
2-bromonaphthalene	99%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit
# = Surrogate below acceptance criteria. Matrix interference suspected.

RL Resource Laboratories, LLC

Lab Number:	10154-07
Sample Designation:	ESM13
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Extracted:	4/11/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1
Method for Target Analytes: EPA 8270C

	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	3.3	0.6	4/20/06
2-methylnaphthalene	U	0.6	4/20/06
phenanthrene	U	0.6	4/20/06
acenaphthene	U	0.6	4/20/06
Other PAH Analytes:			
acenaphthylene	U	0.6	4/20/06
fluorene	U	0.6	4/20/06
anthracene	U	0.6	4/20/06
fluoranthene	U	0.6	4/20/06
pyrene	U	0.6	4/20/06
benzo(a)anthracene	U	0.6	4/20/06
chrysene	U	0.6	4/20/06
benzo(b)fluoranthene	U	0.6	4/20/06
benzo(k)fluoranthene	U	0.6	4/20/06
benzo(a)pyrene	U	0.2	4/20/06
Indeno(1,2,3-cd)pyrene	U	0.6	4/20/06
dibenzo(a,h)anthracene	U	0.6	4/20/06
benzo(g,h,i)perylene	U	0.6	4/20/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	200	4/20/06
C9-C18 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	200	4/20/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	9% #		
o-terphenyl	24% #		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	106%		
2-bromonaphthalene	102%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit
# = Surrogate below acceptance criteria. Matrix interference suspected.

RL Resource Laboratories, LLC

Lab Number:	10154-08
Sample Designation:	ESM-8B
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Extracted:	4/11/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1
Method for Target Analytes: EPA 8270C

	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	U	0.5	4/20/06
2-methylnaphthalene	U	0.5	4/20/06
phenanthrene	U	0.5	4/20/06
acenaphthene	U	0.5	4/20/06
Other PAH Analytes:			
acenaphthylene	U	0.5	4/20/06
fluorene	U	0.5	4/20/06
anthracene	U	0.5	4/20/06
fluoranthene	U	0.5	4/20/06
pyrene	U	0.5	4/20/06
benzo(a)anthracene	U	0.5	4/20/06
chrysene	U	0.5	4/20/06
benzo(b)fluoranthene	U	0.5	4/20/06
benzo(k)fluoranthene	U	0.5	4/20/06
benzo(a)pyrene	U	0.2	4/20/06
indeno(1,2,3-cd)pyrene	U	0.5	4/20/06
dibenzo(a,h)anthracene	U	0.5	4/20/06
benzo(g,h,i)perylene	U	0.5	4/20/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	200	4/20/06
C9-C18 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	200	4/20/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	31% #		
o-terphenyl	54%		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	102%		
2-bromonaphthalene	102%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit
# = Surrogate below acceptance criteria. Matrix interference suspected.

Lab Number:	10154-09
Sample Designation:	ESM-8
Date Sampled:	4/6/06
Date Received:	4/7/06
Date Extracted:	4/11/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1
Method for Target Analytes: EPA 8270C

	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	U	0.8	4/20/06
2-methylnaphthalene	U	0.8	4/20/06
phenanthrene	U	0.8	4/20/06
acenaphthene	U	0.8	4/20/06
Other PAH Analytes:			
acenaphthylene	U	0.8	4/20/06
fluorene	U	0.8	4/20/06
anthracene	U	0.8	4/20/06
fluoranthene	1.0	0.8	4/20/06
pyrene	1.1	0.8	4/20/06
benzo(a)anthracene	U	0.8	4/20/06
chrysene	U	0.8	4/20/06
benzo(b)fluoranthene	1.0	0.8	4/20/06
benzo(k)fluoranthene	U	0.8	4/20/06
benzo(a)pyrene	0.5	0.3	4/20/06
indeno(1,2,3-cd)pyrene	U	0.8	4/20/06
dibenzo(a,h)anthracene	U	0.8	4/20/06
benzo(g,h,i)perylene	U	0.8	4/20/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	300	4/20/06
C9-C18 Aliphatic Hydrocarbons (1)	U	300	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	U	300	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	300	4/20/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	22% #		
o-terphenyl	43%		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	113%		
2-bromonaphthalene	109%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit
# = Surrogate below acceptance criteria. Matrix interference suspected.

RL Resource Laboratories, LLC

Lab Number:	10154-01
Sample Designation:	ESM11
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	65	30-150
Decachlorobiphenyl	87	30-150

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-03
Sample Designation:	ESM12
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	73	30-150
Decachlorobiphenyl	90	30-150

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-04
Sample Designation:	ESM02
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	66	30-150
Decachlorobiphenyl	85	30-150

U = Below quantitation limit

Lab Number:	10154-05
Sample Designation:	ESM14
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/19/06
Matrix:	Water
Dilution Factor:	5
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	2
PCB-1242	8	2
PCB-1221	U	2
PCB-1232	U	2
PCB-1248	U	2
PCB-1254	U	2
PCB-1260	U	2
PCB-1262	U	2
PCB-1268	U	2

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	46	30-150
Decachlorobiphenyl	106	30-150

U = Below quantitation limit

Lab Number:	10154-07
Sample Designation:	ESM13
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	76	30-150
Decachlorobiphenyl	90	30-150

Note: A non-aroclor like compound was observed in this sample.
U = Below quantitation limit

Lab Number:	10154-08
Sample Designation:	ESM-8B
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	61	30-150
Decachlorobiphenyl	84	30-150

U = Below quantitation limit

Lab Number:	10154-09
Sample Designation:	ESM-8
Date Sampled:	4/6/06
Date Extracted:	4/12/06
Date Analyzed:	4/19/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.5
PCB-1242	0.8	0.5
PCB-1221	U	0.5
PCB-1232	U	0.5
PCB-1248	U	0.5
PCB-1254	U	0.5
PCB-1260	U	0.5
PCB-1262	U	0.5
PCB-1268	U	0.5

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	80	30-150
Decachlorobiphenyl	91	30-150

Note: A non-aroclor like compound was observed in this sample.
U = Below quantitation limit

Lab Number:	10154-10
Sample Designation:	ESM-3
Date Sampled:	4/7/06
Date Extracted:	4/12/06
Date Analyzed:	4/14/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	78	30-150
Decachlorobiphenyl	98	30-150

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-13
Sample Designation:	ESM-16
Date Sampled:	4/7/06
Date Extracted:	4/12/06
Date Analyzed:	4/14/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	71	30-150
Decachlorobiphenyl	96	30-150

Note: A non-aroclor like compound was observed in this sample.
U = Below quantitation limit

Lab Number:	10154-14
Sample Designation:	ESM-03B-D
Date Sampled:	4/7/06
Date Extracted:	4/12/06
Date Analyzed:	4/14/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS

SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	77	30-150
Decachlorobiphenyl	98	30-150

U = Below quantitation limit

Lab Number:	10154-15
Sample Designation:	ESM-03B-S
Date Sampled:	4/7/06
Date Extracted:	4/12/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	83	30-150
Decachlorobiphenyl	103	30-150

Note: Non-aroclor like peaks were observed in this sample.
U = Below quantitation limit

Lab Number:	10154-16
Sample Designation:	ESM-01
Date Sampled:	4/7/06
Date Extracted:	4/13/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	71	30-150
Decachlorobiphenyl	87	30-150

Note: Non-aroclor like peaks were observed in this sample.
U = Below quantitation limit

Project ID: DND Lewis 2006-056
Lab ID: 10154

Lab Number: 10154-002
Sample ID: ESM11
Matrix: Water
Sampled: 4/7/06 10:30

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B
Barium	0.20	0.05	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	4/12/06	4/12/06	N/A	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	N/A	4/12/06	16:31	SW3005A6010B

Lab Number: 10154-010
Sample ID: ESM-3
Matrix: Water
Sampled: 4/7/06 9:45

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B
Barium	0.07	0.05	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	4/12/06	4/12/06	N/A	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A6010B

Lab Number: 10154-012
Sample ID: ESM-14
Matrix: Water
Sampled: 4/7/06 8:15

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B
Barium	0.06	0.05	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	4/12/06	4/12/06	N/A	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	N/A	4/12/06	16:34	SW3005A6010B

Quality Control Report

Case Narrative
Lab # 10154

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 5 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines. The following changes were made to the analysis request per the customer: 10154-05 did not request metals analysis, VOC 8260 analysis was added to sample 10154-10.

Method Blank
No exceptions noted.

Surrogate Recoveries
EPH: The following samples had surrogates that did not meet the acceptance criteria: 10154-05, 07,08, and 09. All other batch QC had acceptable recoveries. It is suspected that this may have been caused by matrix interference. The samples could not be re-extracted due to insufficient sample volume.

Laboratory Control Sample Results
VOC 8260: LCS 10154-53 did not meet acceptance criteria for dichlorodifluoromethane. Samples associated with this LCS: 10154-07
VOC 8260: LCS 10154-51 did not meet the acceptance limits for 2,2 dichloropropane, and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria, however both recoveries were acceptable. Samples associated with this LCS:10154-01, 03, 04, 05, 08, 09, 13, 15,and 16.
VOC 8260: LCS 10154-57 did not meet the acceptance limits for 2,2 dichloropropane, and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria due to a low recovery in the LCSD.
These compounds noted with failures are known to be problematic in the method.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Metals: Sample 10154-10 was analyzed as a matrix spike. The results were acceptable and are attached.

Other
EPH: The fractionation check sample (LCS) for the batch of silica gel in use for these samples met the method acceptance criteria.

VPH Target compounds and ranges were determined by GC/MS. Ranges were determined in a similar manner as described in the MADEP APH method of 2/2000.

PCB: The sample peaks most closely resembled Aroclor 1242, however there was also a similarity to Aroclor 1248. Possibly due to weathering, the Aroclor identification is

difficult and not absolute. Chromatograms are provided. Samples that contained non-aroclor peaks have been noted on the report pages. Quantification is quadratic.

VOC: The following compounds were quantified using quadratic fit:
Dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, acetone, dibromochloromethane, isopropylbenzene, tert-butyl benzene, and hexachlorobutadiene.

Metals: RCRA metals only were requested by the customer.

Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

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MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 10154
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 (x)	Cyanide ( )	Other ( )
	8270 ( )	VPH (x)	7470/7471 (x)	Other ( )	Other ( )
	8082 (x)	EPH (x)	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No (x)
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes ( ) No (x)

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 4-27-06

Lab Number:	10154-54
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Received:	N/A
Date Analyzed:	4/17/06
Matrix:	Water
Instrument Dilution Factor	1
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	U	100
Unadjusted C9-C12 Aliphatics (1)	N/A	U	100
methyl-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	U	1
toluene	C5-C8	U	2
ethylbenzene	C9-C12	U	2
m&p-xylenes	C9-C12	U	2
o-xylene	C9-C12	U	2
naphthalene	N/A	U	5
C5-C8 Allphatics (1,2)	N/A	U	100
C9-C12 Aliphatics (1,3)	N/A	U	100
C9-C10 Aromatics (1)	N/A	U	100
Surrogate Recovery			
2,5-dibromotoluene as aromatic		102%	
2,5-dibromotoluene as aliphatic		104%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Allphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Allphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number: 10154-55
Sample Designation: LCS/LCSD
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 4/18/06
Matrix: Water
Dilution Factor 1
Analyst: LMM

VOLATILE ORGANICS MS/MSD LCS/LCSD Report
MADEP VPH 2004-1.1

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MS/LCS Concentration (ug/L)	% Recovery	QC Lower Limit	QC Upper Limit
methyl-t-butyl ether (MTBE)	150		141	94%	70%	130%
benzene	50		50	99%	70%	130%
toluene	150		145	97%	70%	130%
ethylbenzene	50		48	96%	70%	130%
m&p-xylenes	200		200	100%	70%	130%
o-xylene	100		97	97%	70%	130%
naphthalene	100		92	92%	70%	130%
C5-C8 Aliphatics	750		675	90%	70%	130%
C9-C12 Aliphatics	550		475	86%	70%	130%
C9-C10 Aromatics	100		100	100%	70%	130%
2,5-dibromotoluene as aromatic				102%	70%	130%
2,5-dibromotoluene as aliphatic				104%	70%	130%

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MSD/LCSD Concentration (ug/L)	% Recovery	QC Lower Limit	QC Upper Limit	RPD	RPD Limit
methyl-t-butyl ether (MTBE)	150		141	94%	70%	130%	0%	20
benzene	50		49	98%	70%	130%	1%	20
toluene	150		143	95%	70%	130%	2%	20
ethylbenzene	50		48	97%	70%	130%	1%	20
m&p-xylenes	200		199	100%	70%	130%	1%	20
o-xylene	100		96	96%	70%	130%	1%	20
naphthalene	100		96	96%	70%	130%	4%	20
C5-C8 Aliphatics	750		664	89%	70%	130%	2%	20
C9-C12 Aliphatics	550		472	86%	70%	130%	1%	20
C9-C10 Aromatics	100		102	102%	70%	130%	2%	20
2,5-dibromotoluene as aromatic				104%	70%	130%	2%	20
2,5-dibromotoluene as aliphatic				103%	70%	130%	1%	20

Lab Number:	10154-50
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	4/12/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	95	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	100	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 10154-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\041206\V3041247.D
Date Analyzed: 4/13/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	13	67% *	13	67% *	1%
chloromethane	15	75%	15	73%	3%
vinyl chloride	16	79%	16	80%	2%
bromomethane	15	74%	16	78%	5%
chloroethane	15	77%	15	77%	0%
trichlorofluoromethane	17	86%	17	87%	2%
diethylether	18	90%	18	88%	3%
acetone	15	76%	15	77%	1%
1,1-dichloroethene	18	92%	18	90%	2%
methylene chloride	18	89%	18	92%	4%
carbon disulfide	18	90%	17	87%	3%
methyl-t-butyl ether (MTBE)	34	85%	34	84%	1%
trans-1,2-dichloroethene	19	94%	18	89%	5%
isopropyl ether (DIPE)	18	92%	18	91%	1%
ethyl-t-butyl ether (ETBE)	18	91%	19	93%	2%
1,1-dichloroethane	17	85%	17	83%	2%
t-butanol (TBA)	73	73%	77	77%	5%
2-butanone (MEK)	15	77%	16	78%	2%
2,2-dichloropropane	12	62% *	12	59% *	5%
cis-1,2-dichloroethene	21	103%	20	101%	2%
chloroform	19	95%	18	92%	4%
bromochloromethane	21	105%	21	105%	0%
tetrahydrofuran (THF)	16	79%	17	83%	4%
1,1,1-trichloroethane	18	91%	18	88%	3%
1,1-dichloropropane	20	99%	18	91%	9%
t-amyl-methyl ether (TAME)	19	93%	18	90%	3%
carbon tetrachloride	16	81%	16	80%	1%
1,2-dichloroethane	17	84%	16	82%	3%
benzene	20	101%	19	94%	7%
trichloroethene	21	106%	21	103%	2%
1,2-dichloropropane	19	97%	19	93%	4%
bromodichloromethane	16	82%	17	83%	2%
dibromomethane	20	102%	20	101%	1%
4-methyl-2-pentanone (MIBK)	18	90%	19	94%	4%
cis-1,3-dichloropropene	18	90%	18	89%	1%
toluene	20	101%	21	104%	3%
trans-1,3-dichloropropene	16	80%	16	79%	1%
2-hexanone	16	78%	16	80%	2%
1,1,2-trichloroethane	21	103%	21	103%	0%
1,3-dichloropropane	21	106%	22	109%	2%
tetrachloroethene	26	129%	25	125%	3%
dibromochloromethane	20	98%	21	106%	7%
1,2-dibromoethane (EDB)	21	106%	22	112%	6%
chlorobenzene	22	111%	23	113%	2%
1,1,1,2-tetrachloroethane	21	106%	22	111%	4%
ethylbenzene	22	109%	22	111%	2%
m&p-xylenes	46	115%	45	114%	1%
o-xylene	23	115%	24	118%	3%
styrene	22	112%	15	75%	39% +
bromoform	21	104%	22	110%	6%
isopropylbenzene	24	119%	25	123%	4%
1,1,2,2-tetrachloroethane	18	89%	19	96%	7%
1,2,3-trichloropropane	17	87%	18	92%	5%
n-propylbenzene	20	101%	20	101%	1%
bromobenzene	21	105%	22	109%	4%
1,3,5-trimethylbenzene	19	96%	19	95%	1%
2-chlorotoluene	19	94%	19	95%	1%
4-chlorotoluene	19	94%	19	95%	1%
tert-butylbenzene	18	88%	18	88%	0%
1,2,4-trimethylbenzene	19	97%	20	100%	3%
sec-butylbenzene	20	101%	20	99%	2%
1,3-dichlorobenzene	20	102%	21	105%	3%
4-isopropyltoluene	21	104%	21	105%	1%
1,4-dichlorobenzene	20	101%	20	102%	1%
1,2-dichlorobenzene	21	104%	21	104%	0%
n-butylbenzene	20	101%	20	102%	0%
1,2-dibromo-3-chloropropane (	16	80%	18	88%	9%
1,2,4-trichlorobenzene	19	95%	19	97%	2%
hexachlorobutadiene	20	100%	19	94%	6%
naphthalene	15	77%	17	84%	9%
1,2,3-trichlorobenzene	19	96%	20	102%	5%
1,4-dioxane	34	85%	33	84%	2%

SURROGATE STANDARDS

SS dibromofluoromethane	95%	96%
SS toluene-D8	104%	98%
SS 4-bromofluorobenzene	107%	113%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%
* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.
+ = The RPD was outside the acceptance limits.

Lab Number:	10154-52
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	4/12/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	CWC

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	99	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 10154-53
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\041206\V3041223.D
Date Analyzed: 4/12/06
SW 846 Method 5030B/8260B

	LCS		LCSD			RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery		
dichlorodifluoromethane	15	77%	13	67%	*	14%
chloromethane	17	83%	16	78%		6%
vinyl chloride	18	89%	16	82%		7%
bromomethane	18	88%	16	80%		10%
chloroethane	17	87%	16	78%		12%
trichlorofluoromethane	20	98%	17	84%		15%
diethylether	19	95%	19	97%		2%
acetone	15	75%	14	72%		5%
1,1-dichloroethene	20	99%	19	94%		5%
methylene chloride	20	102%	19	98%		7%
carbon disulfide	20	98%	19	93%		6%
methyl-t-butyl ether (MTBE)	38	95%	36	90%		6%
trans-1,2-dichloroethene	20	98%	19	94%		4%
isopropyl ether (DIPE)	20	102%	20	99%		2%
ethyl-t-butyl ether (ETBE)	20	101%	19	93%		9%
1,1-dichloroethane	19	93%	17	87%		6%
t-butanol (TBA)	87	87%	87	87%		0%
2-butanone (MEK)	18	91%	16	82%		10%
2,2-dichloropropane	19	93%	17	86%		8%
cis-1,2-dichloroethene	23	113%	21	105%		7%
chloroform	21	104%	20	98%		6%
bromochloromethane	23	115%	22	111%		4%
tetrahydrofuran (THF)	18	92%	17	85%		7%
1,1,1-trichloroethane	20	98%	18	89%		9%
1,1-dichloropropene	22	108%	20	99%		9%
t-amyl-methyl ether (TAME)	21	103%	19	95%		8%
carbon tetrachloride	16	80%	16	81%		1%
1,2-dichloroethane	18	90%	17	86%		5%
benzene	22	108%	21	103%		5%
trichloroethene	22	110%	21	103%		6%
1,2-dichloropropane	21	105%	21	103%		1%
bromodichloromethane	17	85%	17	86%		1%
dibromomethane	22	109%	21	106%		3%
4-methyl-2-pentanone (MIBK)	21	103%	19	97%		6%
cis-1,3-dichloropropene	21	103%	19	97%		6%
toluene	22	111%	22	108%		3%
trans-1,3-dichloropropene	18	88%	18	90%		2%
2-hexanone	19	94%	18	92%		2%
1,1,2-trichloroethane	22	110%	21	107%		3%
1,3-dichloropropane	22	110%	22	110%		0%
tetrachloroethene	25	124%	24	120%		4%
dibromochloromethane	19	94%	20	101%		7%
1,2-dibromoethane (EDB)	22	111%	23	115%		3%
chlorobenzene	23	115%	22	112%		3%
1,1,1,2-tetrachloroethane	20	100%	21	104%		4%
ethylbenzene	22	112%	22	111%		1%
m&p-xylenes	48	119%	47	117%		2%
o-xylene	24	121%	24	119%		1%
styrene	24	118%	23	117%		1%
bromoform	19	96%	20	100%		4%
isopropylbenzene	25	125%	24	119%		5%
1,1,2,2-tetrachloroethane	19	93%	19	93%		1%
1,2,3-trichloropropane	18	92%	18	92%		0%
n-propylbenzene	21	107%	21	104%		3%
bromobenzene	22	112%	22	109%		2%
1,3,5-trimethylbenzene	20	102%	20	98%		4%
2-chlorotoluene	19	97%	20	98%		0%
4-chlorotoluene	20	101%	19	94%		7%
tert-butylbenzene	18	91%	18	89%		2%
1,2,4-trimethylbenzene	20	102%	20	101%		1%
sec-butylbenzene	20	101%	19	97%		3%
1,3-dichlorobenzene	21	105%	20	101%		5%
4-isopropyltoluene	22	110%	22	109%		1%
1,4-dichlorobenzene	21	105%	21	103%		2%
1,2-dichlorobenzene	21	107%	21	107%		0%
n-butylbenzene	22	108%	21	104%		4%
1,2-dibromo-3-chloropropane	17	84%	17	85%		1%
1,2,4-trichlorobenzene	20	100%	20	98%		2%
hexachlorobutadiene	21	103%	21	103%		0%
naphthalene	17	84%	17	86%		2%
1,2,3-trichlorobenzene	21	103%	21	106%		3%
1,4-dioxane	40	100%	39	97%		3%
SURROGATE STANDARDS						
SS dibromofluoromethane		98%		96%		
SS toluene-D8		106%		108%		
SS 4-bromofluorobenzene		107%		111%		

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

RL Resource Laboratories, LLC

Lab Number:	10154-56
Sample Designation:	Method Blank
Date Sampled:	N/A
Date Analyzed:	4/14/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	97	78-114
toluene-D8	108	88-110
4-bromofluorobenzene	102	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 10154-57
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: C:\DATA\VOA03\041306\V3041347.D
Date Analyzed: 4/14/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	15	74%	12	62% *	17%
chloromethane	17	87%	16	80%	8%
vinyl chloride	23	115%	20	98%	16%
bromomethane	17	85%	16	82%	4%
chloroethane	17	87%	17	83%	5%
trichlorofluoromethane	19	93%	17	84%	10%
diethylether	18	91%	18	92%	2%
acetone	17	85%	16	80%	6%
1,1-dichloroethene	19	94%	16	81%	15%
methylene chloride	19	94%	18	90%	4%
carbon disulfide	18	90%	16	80%	12%
methyl-t-butyl ether (MTBE)	36	89%	34	86%	4%
trans-1,2-dichloroethene	19	93%	17	86%	8%
isopropyl ether (DIPE)	19	95%	18	89%	6%
ethyl-t-butyl ether (ETBE)	19	95%	18	92%	3%
1,1-dichloroethane	18	89%	16	82%	9%
t-butanol (TBA)	84	84%	80	80%	5%
2-butanone (MEK)	18	89%	17	84%	6%
2,2-dichloropropane	11	57% *	11	53% *	8%
cis-1,2-dichloroethene	21	105%	19	94%	10%
chloroform	19	97%	18	90%	8%
bromochloromethane	22	109%	20	102%	7%
tetrahydrofuran (THF)	19	94%	19	93%	1%
1,1,1-trichloroethane	19	95%	17	87%	9%
1,1-dichloropropene	20	101%	18	91%	11%
t-amyl-methyl ether (TAME)	19	95%	18	92%	3%
carbon tetrachloride	17	87%	16	80%	8%
1,2-dichloroethane	18	88%	16	82%	7%
benzene	21	104%	18	92%	13%
trichloroethene	21	106%	19	93%	13%
1,2-dichloropropane	20	102%	19	94%	8%
bromodichloromethane	17	87%	16	81%	8%
dibromomethane	21	104%	20	98%	6%
4-methyl-2-pentanone (MIBK)	20	100%	20	99%	0%
cis-1,3-dichloropropene	19	93%	17	83%	12%
toluene	22	109%	19	94%	15%
trans-1,3-dichloropropene	16	80%	15	75%	7%
2-hexanone	17	87%	15	74%	16%
1,1,2-trichloroethane	21	104%	20	98%	6%
1,3-dichloropropane	21	103%	20	99%	4%
tetrachloroethene	23	114%	22	108%	5%
dibromochloromethane	19	97%	19	96%	1%
1,2-dibromoethane (EDB)	20	102%	20	102%	0%
chlorobenzene	21	107%	20	101%	6%
1,1,1,2-tetrachloroethane	21	103%	20	99%	4%
ethylbenzene	21	106%	20	100%	5%
m&p-xylenes	44	110%	42	105%	5%
o-xylene	23	113%	21	105%	7%
styrene	21	106%	13	64% #	49% +
bromoform	20	102%	20	102%	0%
isopropylbenzene	22	110%	21	106%	4%
1,1,2,2-tetrachloroethane	18	91%	18	91%	0%
1,2,3-trichloropropane	18	90%	17	86%	5%
n-propylbenzene	20	102%	18	92%	9%
bromobenzene	21	103%	20	98%	5%
1,3,5-trimethylbenzene	19	97%	18	90%	8%
2-chlorotoluene	19	93%	18	88%	6%
4-chlorotoluene	20	99%	17	86%	13%
tert-butylbenzene	20	100%	19	95%	5%
1,2,4-trimethylbenzene	19	96%	18	92%	5%
sec-butylbenzene	19	97%	18	91%	6%
1,3-dichlorobenzene	20	100%	19	94%	7%
4-isopropyltoluene	21	106%	19	94%	12%
1,4-dichlorobenzene	20	100%	18	91%	10%
1,2-dichlorobenzene	21	105%	19	96%	9%
n-butylbenzene	20	99%	18	92%	7%
1,2-dibromo-3-chloropropane	18	92%	17	87%	5%
1,2,4-trichlorobenzene	19	95%	17	86%	10%
hexachlorobutadiene	19	96%	18	92%	5%
naphthalene	16	81%	15	75%	7%
1,2,3-trichlorobenzene	20	100%	18	92%	9%
1,4-dioxane	39	98%	42	104%	6%
SURROGATE STANDARDS					
SS dibromofluoromethane		99%		98%	
SS toluene-D8		109%		106%	
SS 4-bromofluorobenzene		102%		103%	

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

RL Resource Laboratories, LLC

Lab Number:	10154-50
Sample Designation:	Preparation Blank 180 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/11/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	U	0.5	4/19/06
2-methylnaphthalene	U	0.5	4/19/06
phenanthrene	U	0.5	4/19/06
acenaphthene	U	0.5	4/19/06
Other PAH Analytes:			
acenaphthylene	U	0.5	4/19/06
fluorene	U	0.5	4/19/06
anthracene	U	0.5	4/19/06
fluoranthene	U	0.5	4/19/06
pyrene	U	0.5	4/19/06
benzo(a)anthracene	U	0.5	4/19/06
chrysene	U	0.5	4/19/06
benzo(b)fluoranthene	U	0.5	4/19/06
benzo(k)fluoranthene	U	0.5	4/19/06
benzo(a)pyrene	U	0.2	4/19/06
indeno(1,2,3-cd)pyrene	U	0.5	4/19/06
dibenzo(a,h)anthracene	U	0.5	4/19/06
benzo(g,h,i)perylene	U	0.5	4/19/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	200	4/19/06
C9-C18 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	200	4/19/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	48%		
o-terphenyl	59%		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	112%		
2-bromonaphthalene	109%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10154-51
Sample Designation:	Lab Control Sample/Duplicate 180 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/11/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1 Method for Target Analytes: EPA 8270C	Amount Added ug/L	Amount Found in LCS ug/L	LCS Recovery (%)	Amount Found in LCSD ug/L	LCSD Recovery (%)	RPD (%)	Acceptance Criteria (%)	Date of Analysis
Diesel PAH Analytes:								
naphthalene	60	32.45	54%	33.33	56%	3%	<25%	4/19/06
2-methylnaphthalene	60	32.92	55%	33.92	57%	3%	<25%	4/19/06
phenanthrene	60	41.76	70%	39.97	67%	-4%	<25%	4/19/06
acenaphthene	60	40.13	67%	39.03	65%	-3%	<25%	4/19/06
Other PAH Analytes:								
acenaphthylene	60	37.78	63%	36.65	61%	-3%	<25%	4/19/06
fluorene	60	38.77	65%	36.16	60%	-7%	<25%	4/19/06
anthracene	60	44.19	74%	41.52	69%	-6%	<25%	4/19/06
fluoranthene	60	46.38	77%	45.51	76%	-2%	<25%	4/19/06
pyrene	60	42.92	72%	42.60	71%	-1%	<25%	4/19/06
benzo(a)anthracene	60	45.81	76%	44.91	75%	-2%	<25%	4/19/06
chrysene	60	47.91	80%	47.69	79%	0%	<25%	4/19/06
benzo(b)fluoranthene	60	40.12	67%	36.72	61%	-9%	<25%	4/19/06
benzo(k)fluoranthene	60	53.94	90%	56.13	94%	4%	<25%	4/19/06
benzo(a)pyrene	60	49.79	83%	48.55	81%	-3%	<25%	4/19/06
indeno(1,2,3-cd)pyrene	60	48.74	81%	47.54	79%	-2%	<25%	4/19/06
dibenzo(a,h)anthracene	60	48.90	81%	47.41	79%	-3%	<25%	4/19/06
benzo(g,h,i)perylene	60	47.95	80%	47.50	79%	-1%	<25%	4/19/06
Ranges:								
Unadjusted C11-C22 Aromatics (1)	1020	808.27	79%	694.32	68%	-15%	<25%	4/19/06
C9-C18 Aliphatic Hydrocarbons (1)	360	249.47	69%	264.95	74%	6%	<25%	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	480	424.48	88%	407.22	85%	-4%	<25%	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)								4/19/06
Extraction Surrogate Recoveries:								
1-chloro-octadecane		100%		58%				
o-terphenyl		66%		48%				
Fractionation Surrogate Recoveries:								
2-fluorobiphenyl		129%		109%				
2-bromonaphthalene		120%		106%				
Acceptance Range		40-140%	40-140%	40-140%	40-140%			

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit

Lab Number:	10154-52
Sample Designation:	LCS 180 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/11/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

NAPHTHALENE BREAKTHROUGH CALCULATION

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	LCS Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	0.5%	<5.0%	4/19/06
2-methylnaphthalene	0.4%	<5.0%	4/19/06

Lab Number:	10154-53
Sample Designation:	LCSD 180 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/11/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

NAPHTHALENE BREAKTHROUGH CALCULATION

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	LCSD Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	2.4%	<5.0%	4/19/06
2-methylnaphthalene	0.4%	<5.0%	4/19/06

Lab Number:	10154-50
Sample Designation:	Preparation Blank 209 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	74	30-150
Decachlorobiphenyl	86	30-150

U = Below quantitation limit

Lab Number:	10154-51
Sample Designation:	Laboratory Control Sample/Duplicate 209 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Amount Added ug/L	Amount Found In LCS ug/L	LCS Recovery (%)	Amount Found In LCSD ug/L	LCSD Recovery (%)	RPD (%)	Date of Analysis
PCB-1016	2	1.5	75%	1.5	75%	0.0%	4/13/06
PCB-1242							4/13/06
PCB-1221							4/13/06
PCB-1232							4/13/06
PCB-1248							4/13/06
PCB-1254							4/13/06
PCB-1260	2	1.4	70%	1.5	75%	6.9%	4/13/06
PCB-1262							4/13/06
PCB-1268							4/13/06
Acceptance Criteria:			40-140%		40-140%	20%	

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	83	30-150	78	30-150
Decachlorobiphenyl	88	30-150	92	30-150

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number 10154 METALS QC REPORT
Batch QC Results

Prep Blank

Analyte	Sample ID #	Result (mg/L)	Reporting Limit (mg/L)
Silver	ICB041206	< 0.007	0.007
Arsenic	ICB041206	< 0.01	0.01
Barium	ICB041206	< 0.05	0.05
Cadmium	ICB041206	< 0.005	0.005
Chromium	ICB041206	< 0.05	0.05
Lead	ICB041206	< 0.01	0.01
Selenium	ICB041206	< 0.05	0.05
Mercury	PB041206	< 0.0009	0.0009

Laboratory Control Sample

Analyte	Sample ID #	Result (mg/L)	True Value (mg/L)	%Recovery Control Limits (85-115%)
Silver	ICV041206	1.00	1.00	102
Arsenic	ICV041206	0.99	1.00	98
Barium	ICV041206	0.95	1.00	100
Cadmium	ICV041206	0.95	1.00	101
Chromium	ICV041206	0.95	1.00	100
Lead	ICV041206	0.95	1.00	97
Selenium	ICV041206	0.95	1.00	99
Mercury	LCS041206	0.95	1.00	92

Sample Spike Data (MS)

Analyte	Sample ID #	Sample Result (mg/L)	Spike Sample Result (mg/L)	Spike Amount (mg/L)	%Recovery Control Limits (75-125%)
Silver	10154-10MS	0	0.4221	0.5	84
Arsenic	10154-10MS	0.0008	1.021	1.0	102
Barium	10154-10MS	0.0738	0.9737	1.0	90
Cadmium	10154-10MS	0	0.9933	1.0	99
Chromium	10154-10MS	0.0014	0.9804	1.0	98
Lead	10154-10MS	0.0012	0.9086	1.0	91
Selenium	10154-10MS	0.0002	1.022	1.0	102
Mercury	10154-10MS	0.0002	0.0105	0.0	103

Sample Spike Data (MSD)

Analyte	Sample ID #	Sample Result (mg/L)	Spike Sample Result (mg/L)	Spike Amount (mg/L)	%Recovery Control Limits (75-125%)
Silver	10154-10MSD	0	0.4238	0.5	85
Arsenic	10154-10MSD	0.0008	1.034	1.0	103
Barium	10154-10MSD	0.0738	0.9916	1.0	92
Cadmium	10154-10MSD	0	1.003	1.0	100
Chromium	10154-10MSD	0.0014	0.9915	1.0	99
Lead	10154-10MSD	0.0012	0.9131	1.0	91
Selenium	10154-10MSD	0.0002	1.044	1.0	104

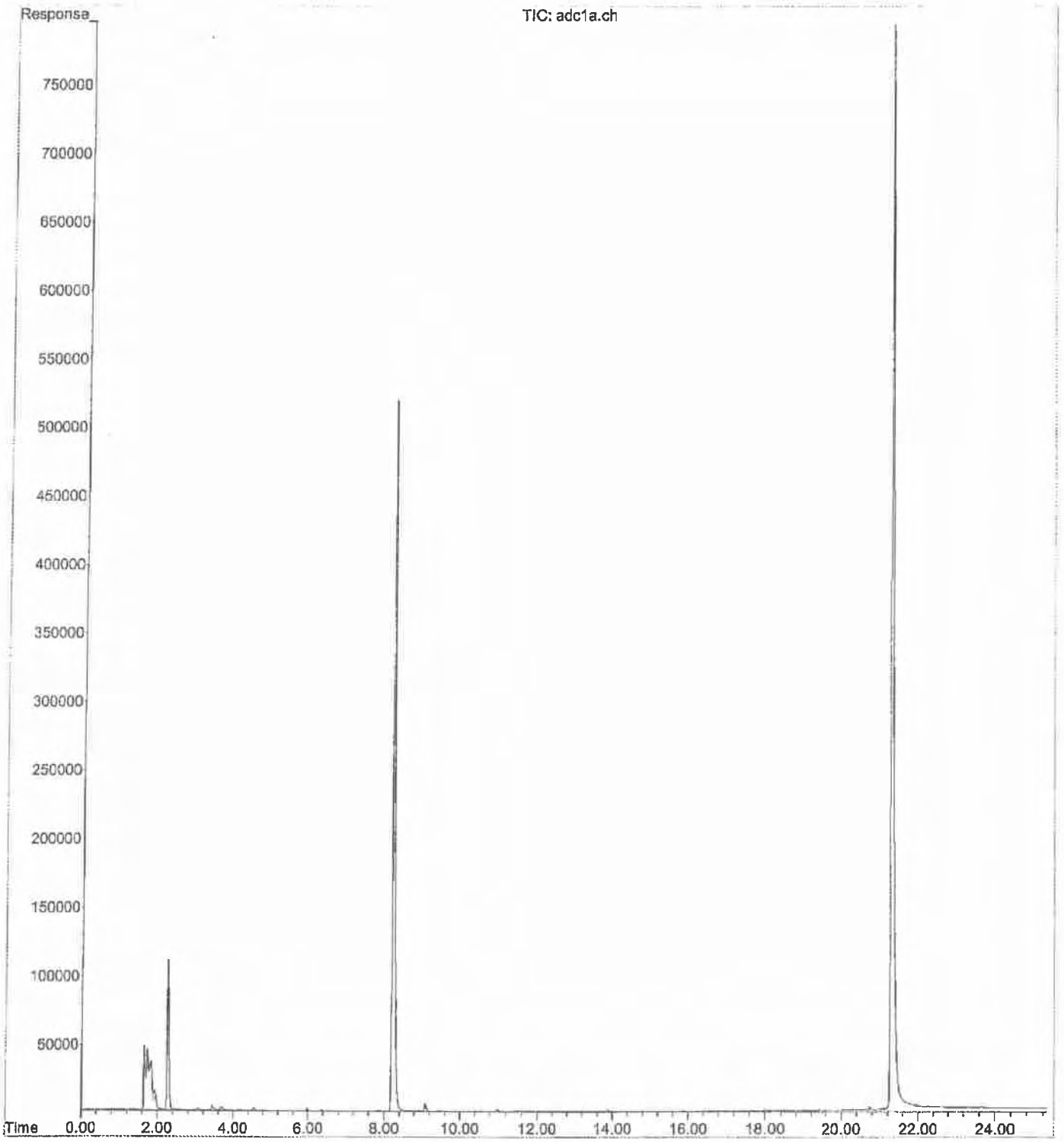
RL Resource Laboratories, LLC

Mercury	10154-10MSD	0.0002	0.01	0.0	98

Relative Percent Difference

Analyte	Sample ID #	MS Recovery %	MSD Recovery %	RPD (+/- 20%)
Silver	10154-10	84	85	0
Arsenic	10154-10	102	103	1
Barium	10154-10	90	92	2
Cadmium	10154-10	99	100	1
Chromium	10154-10	98	99	1
Lead	10154-10	91	91	0
Selenium	10154-10	102	104	2
Mercury	10154-10	103	98	5

File : X:\DATA\SVOA03\2006\APR06\041306\013F0101.D
Operator : AJD
Acquired : 13 Apr 2006 09:06 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-01 pcb x1
Misc Info :
Vial Number: 13



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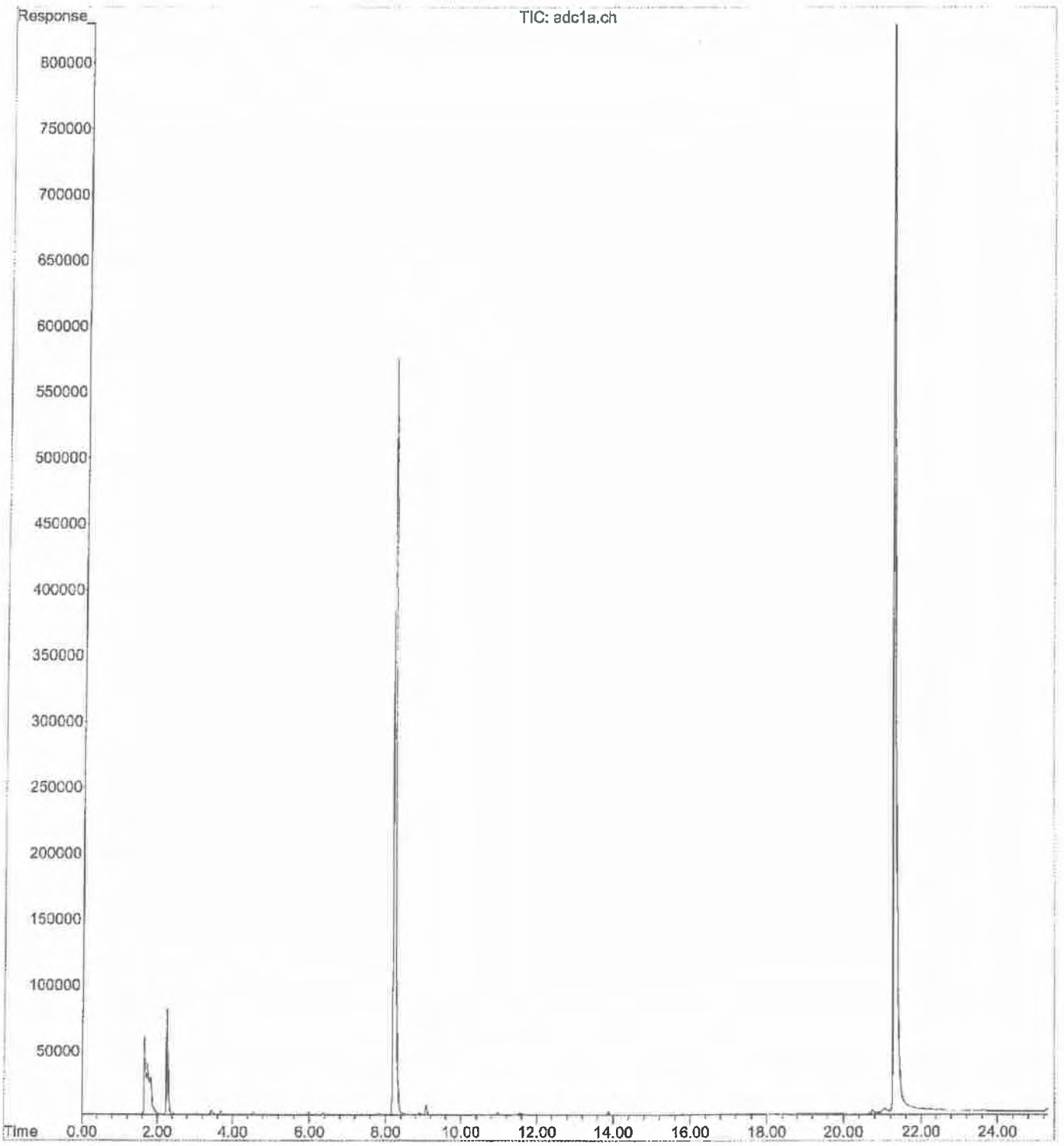
Operator : AJD
Acquired : 13 Apr 2006 09:35 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-03 pcb x1
Misc Info :
Vial Number: 14



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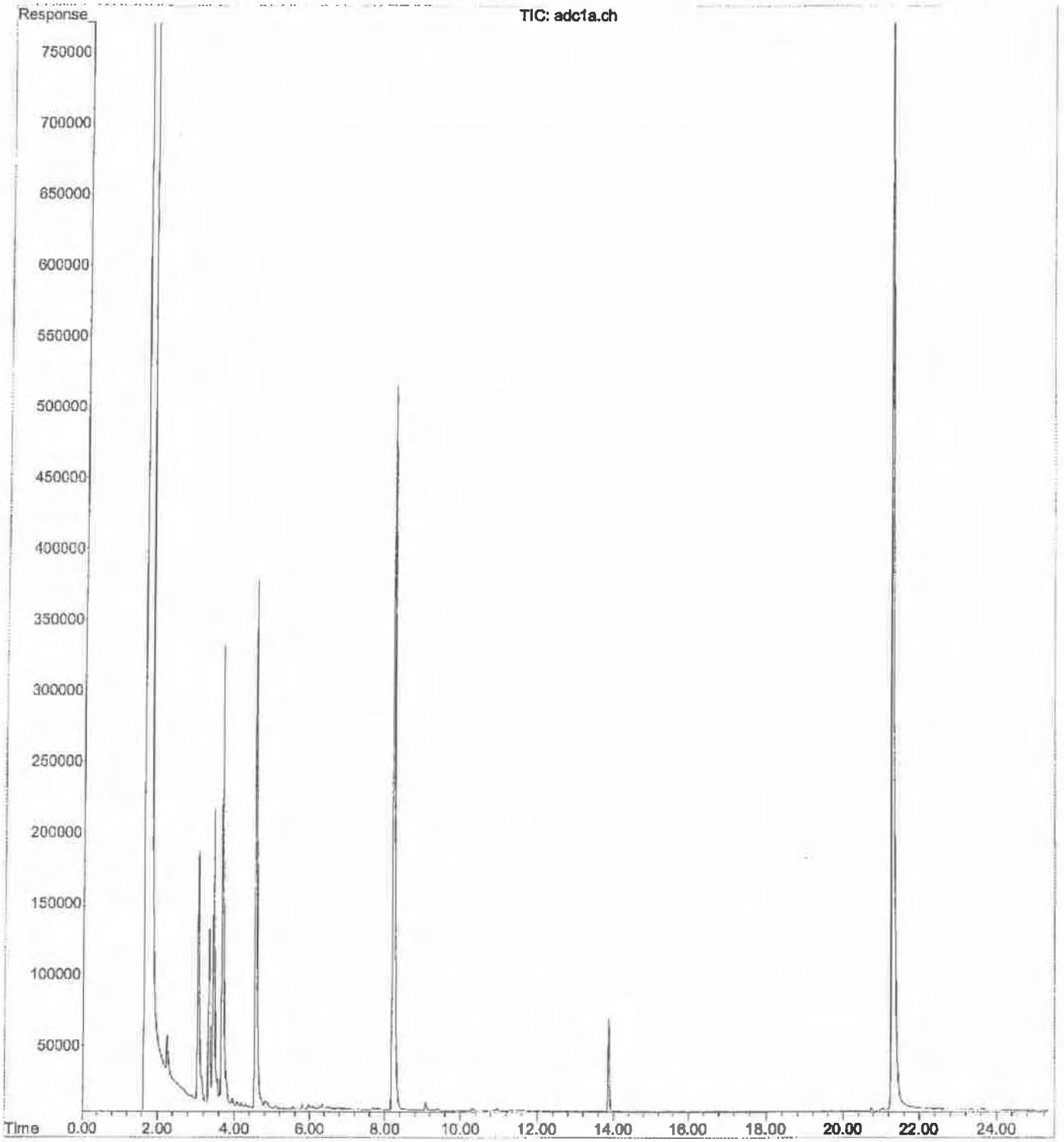
Operator : AJD
Acquired : 13 Apr 2006 10:03 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-04 pcb x1
Misc Info :
Vial Number: 15



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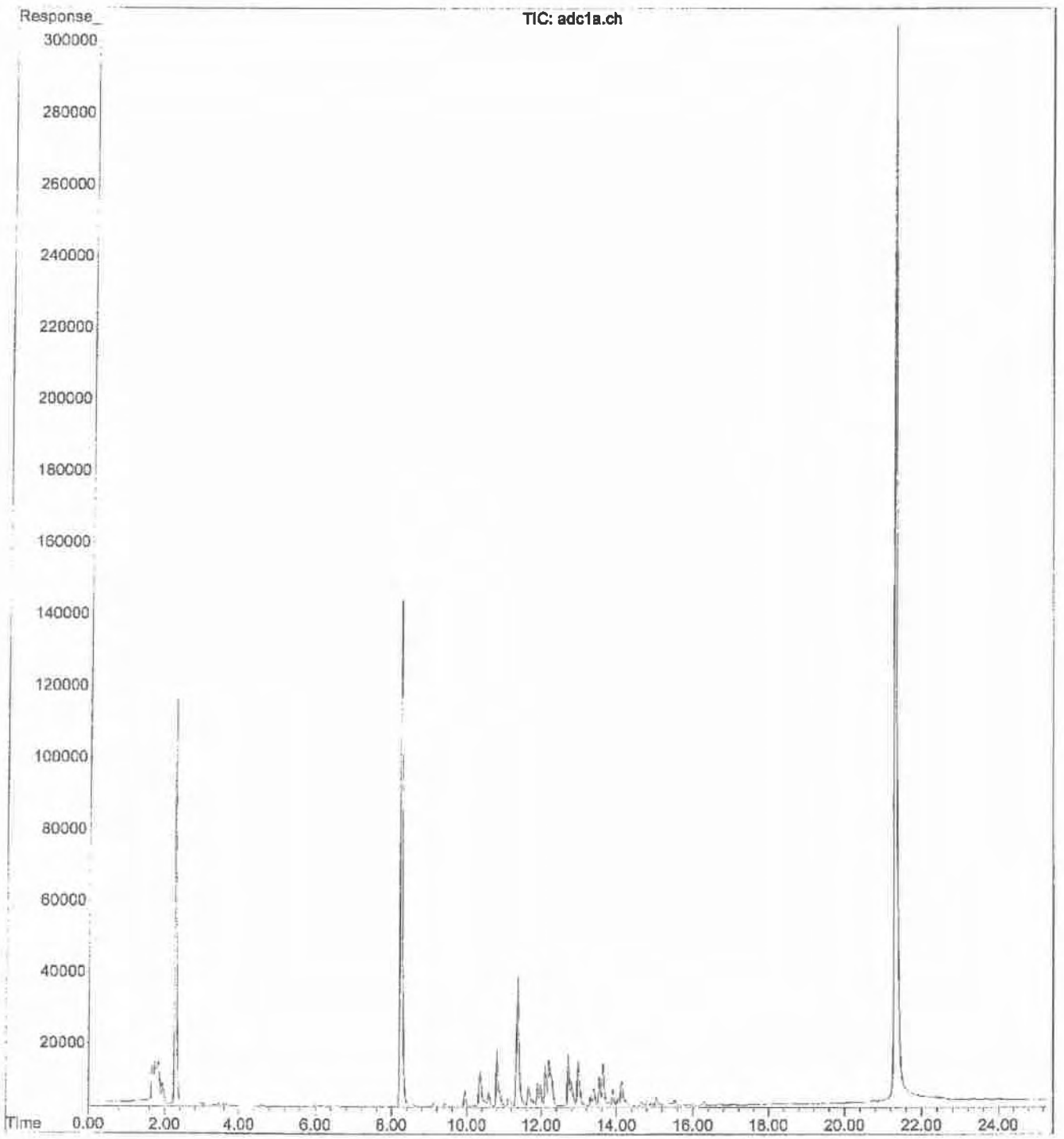
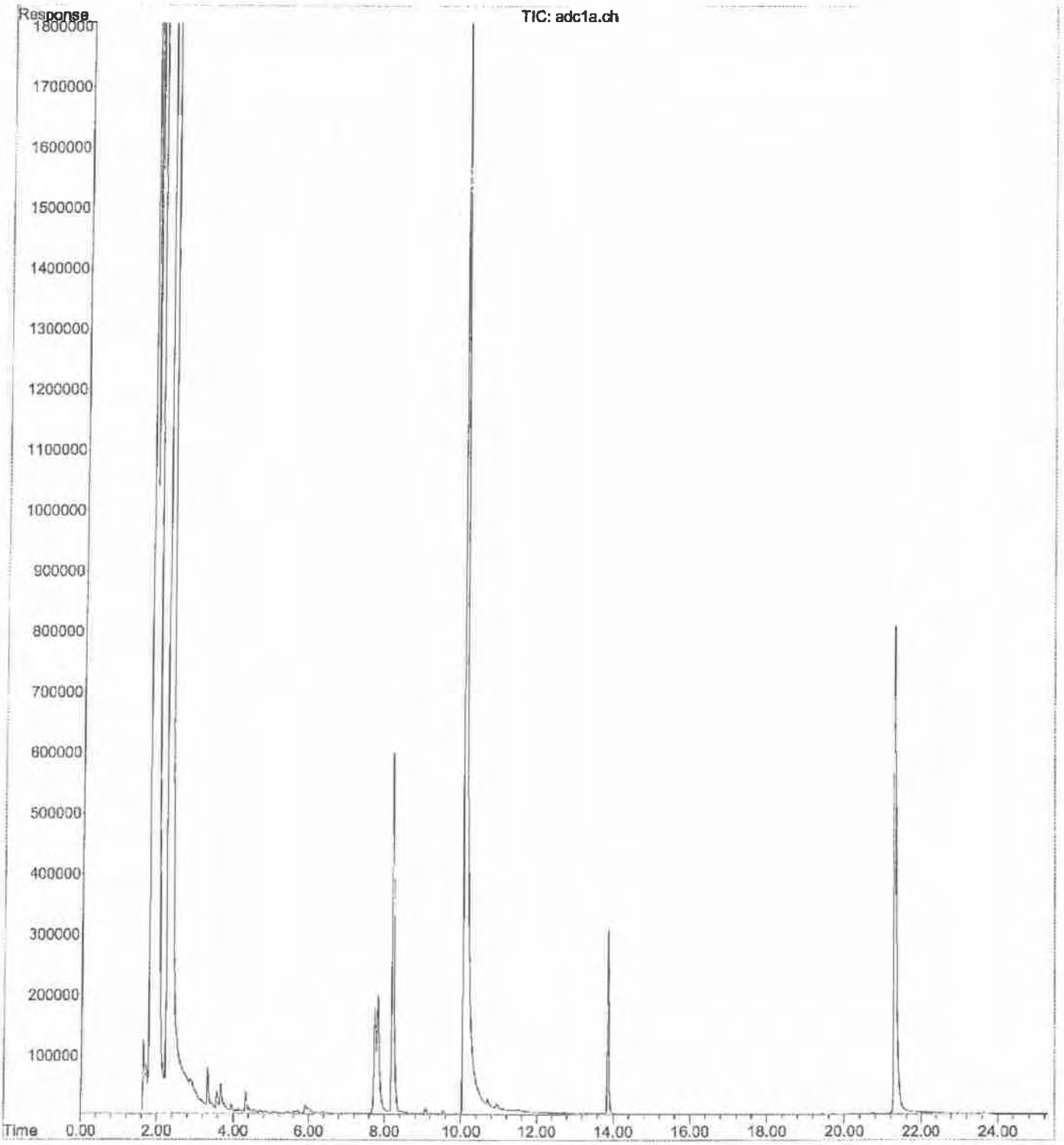
Operator : AJD
Acquired : 19 Apr 2006 06:08 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-05rr pcbx5
Misc Info :
Vial Number: 10



File : X:\DATA\SVOA03\2006\APR06\041306\017F0101.D
Operator : AJD
Acquired : 13 Apr 2006 11:01 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-07 pcb x1
Misc Info :
Vial Number: 17



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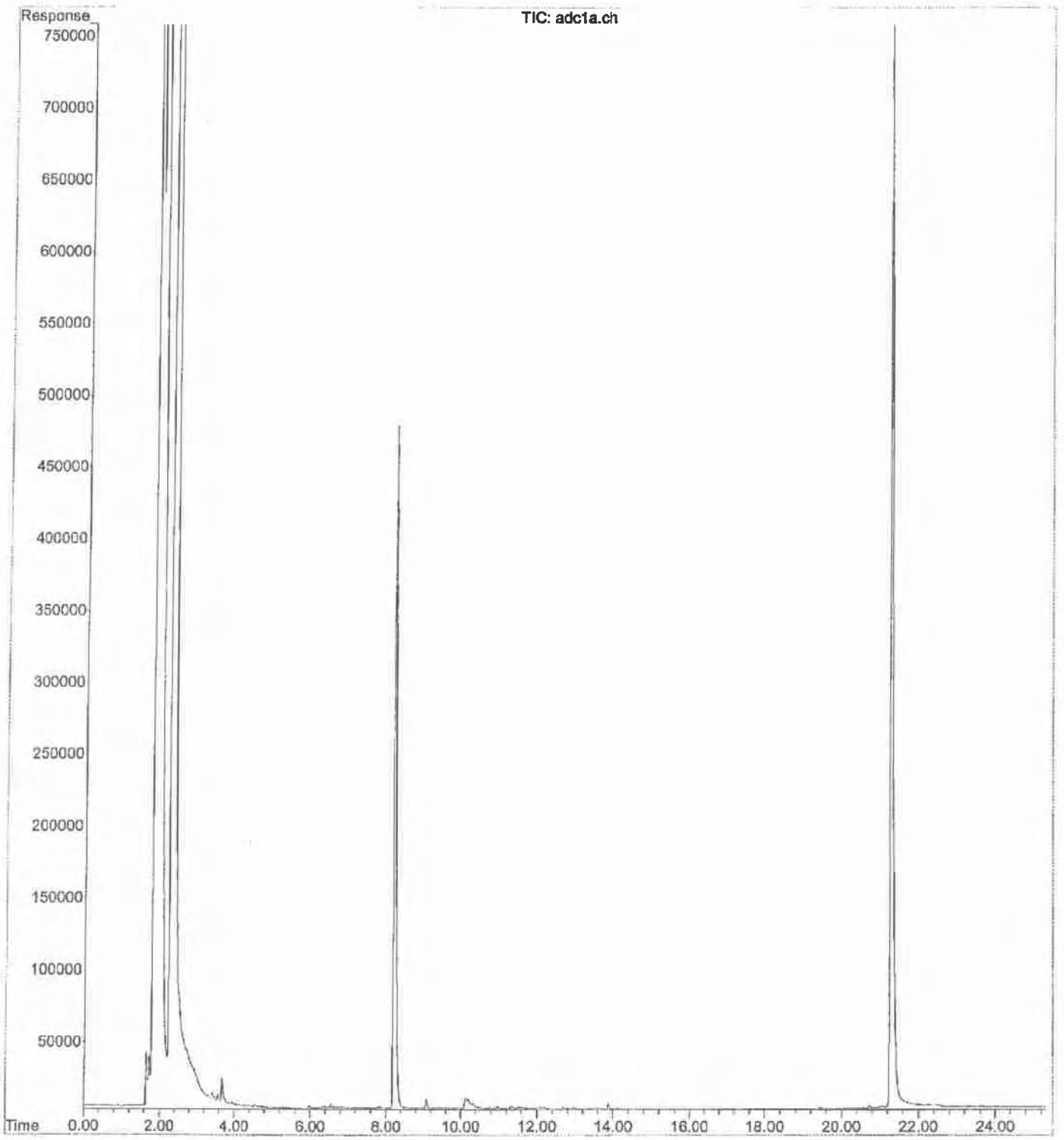
Operator : AJD
Acquired : 13 Apr 2006 11:30 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-08 pcb x1
Misc Info :
Vial Number: 18



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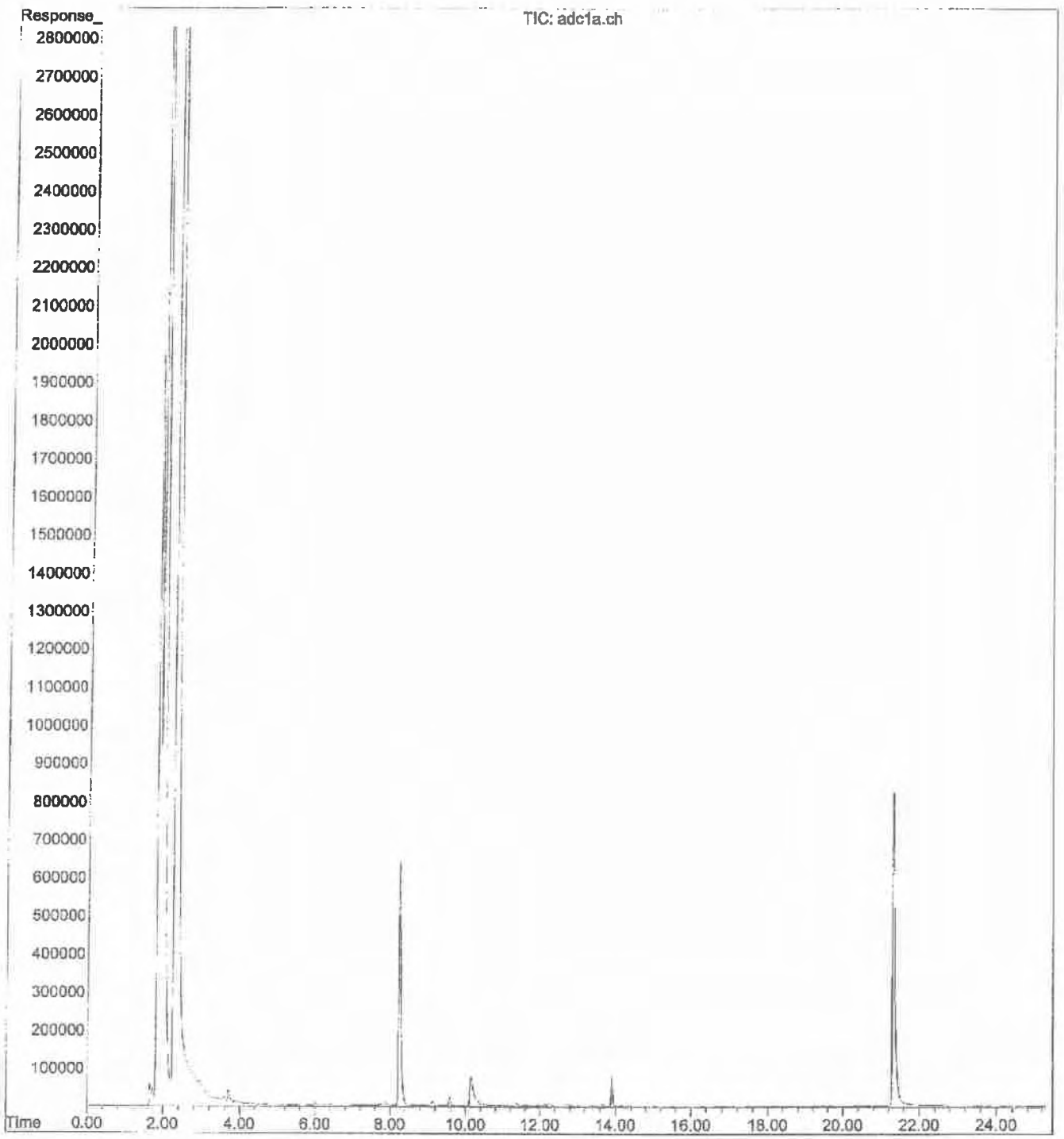
File        : X:\DATA\SVOA03\2006\APR06\041906\007F0101.D
Operator    : AJD
Acquired    : 19 Apr 2006  04:43 pm using AcqMethod S3PP10B.MTH
Instrument :
  SVOA03
Sample Name: 10154-09rr pcbx1
Misc Info   :
Vial Number: 7
```



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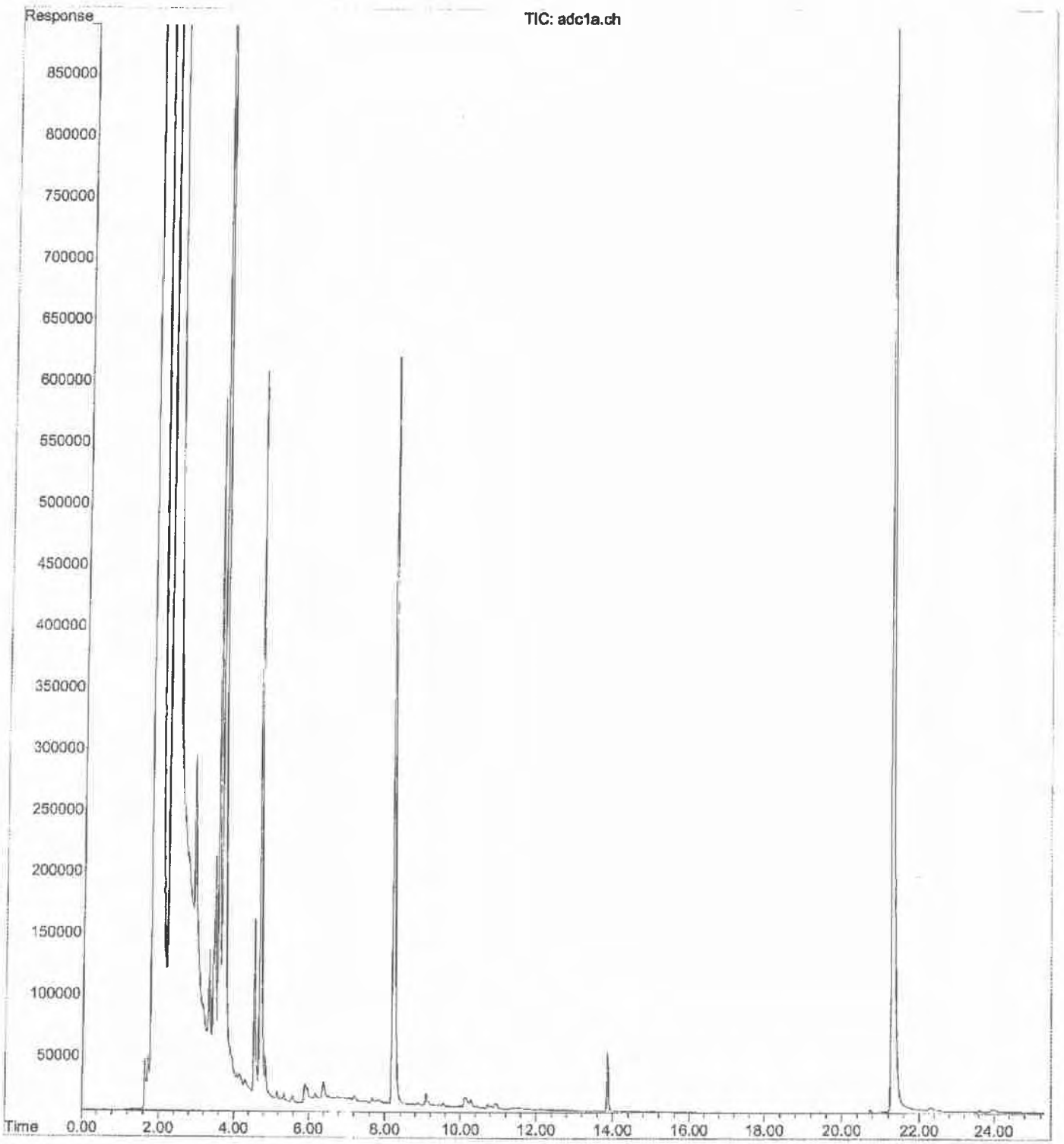
Operator : AJD
Acquired : 14 Apr 2006 01:24 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-10 pcb x1
Misc Info :
Vial Number: 22



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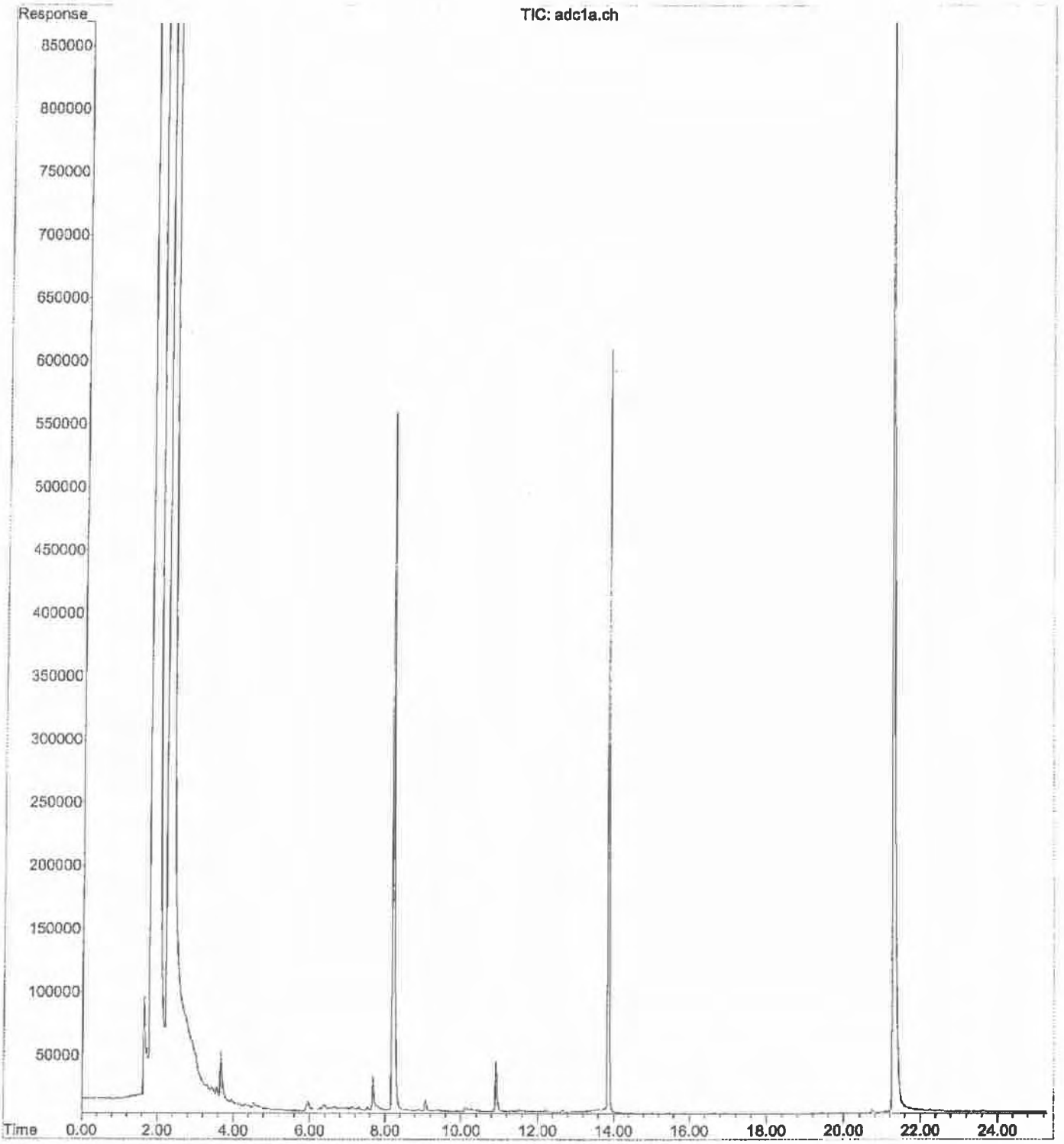
Operator : AJD
Acquired : 14 Apr 2006 01:53 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-13 pcb x1
Misc Info :
Vial Number: 23



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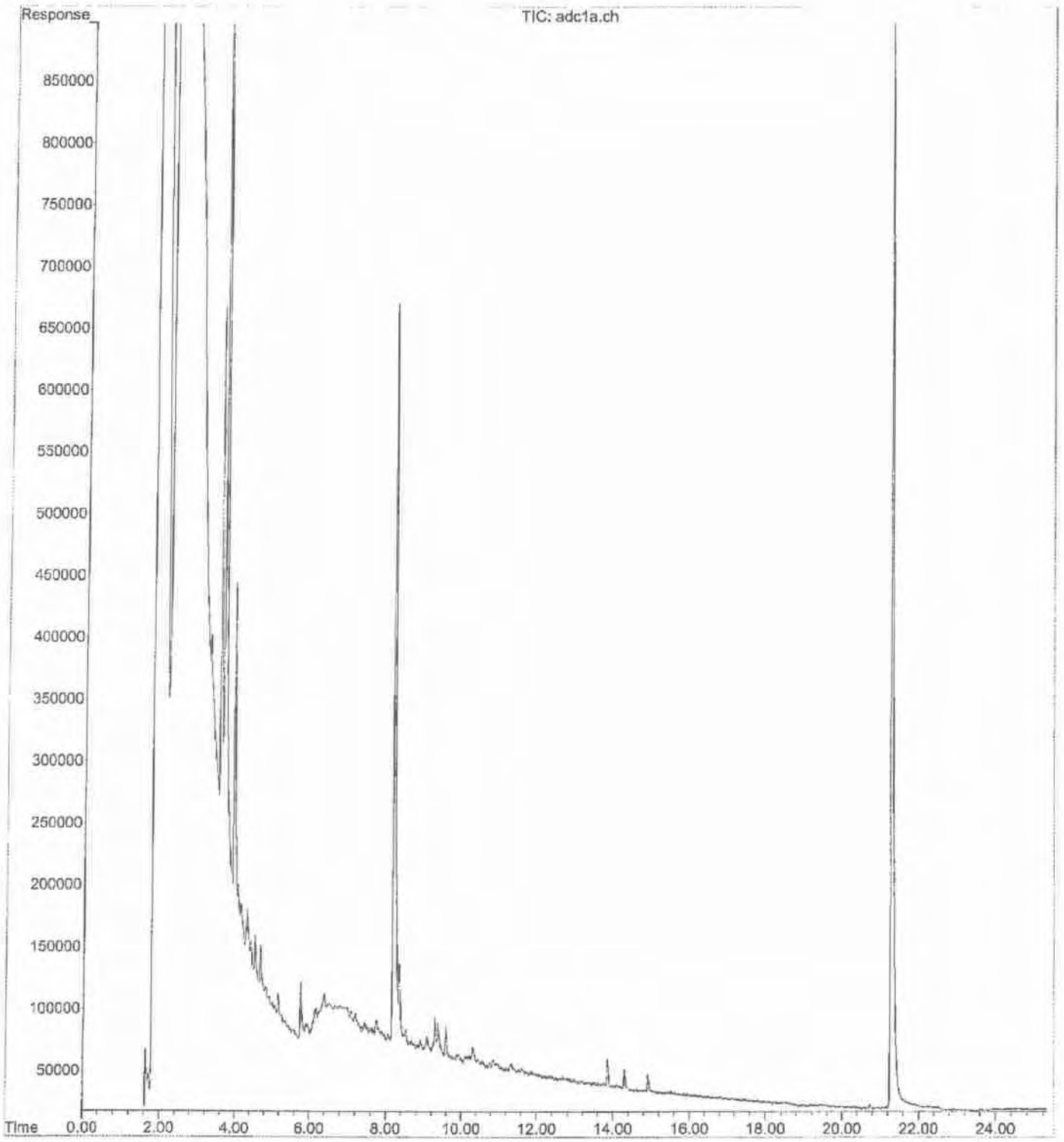
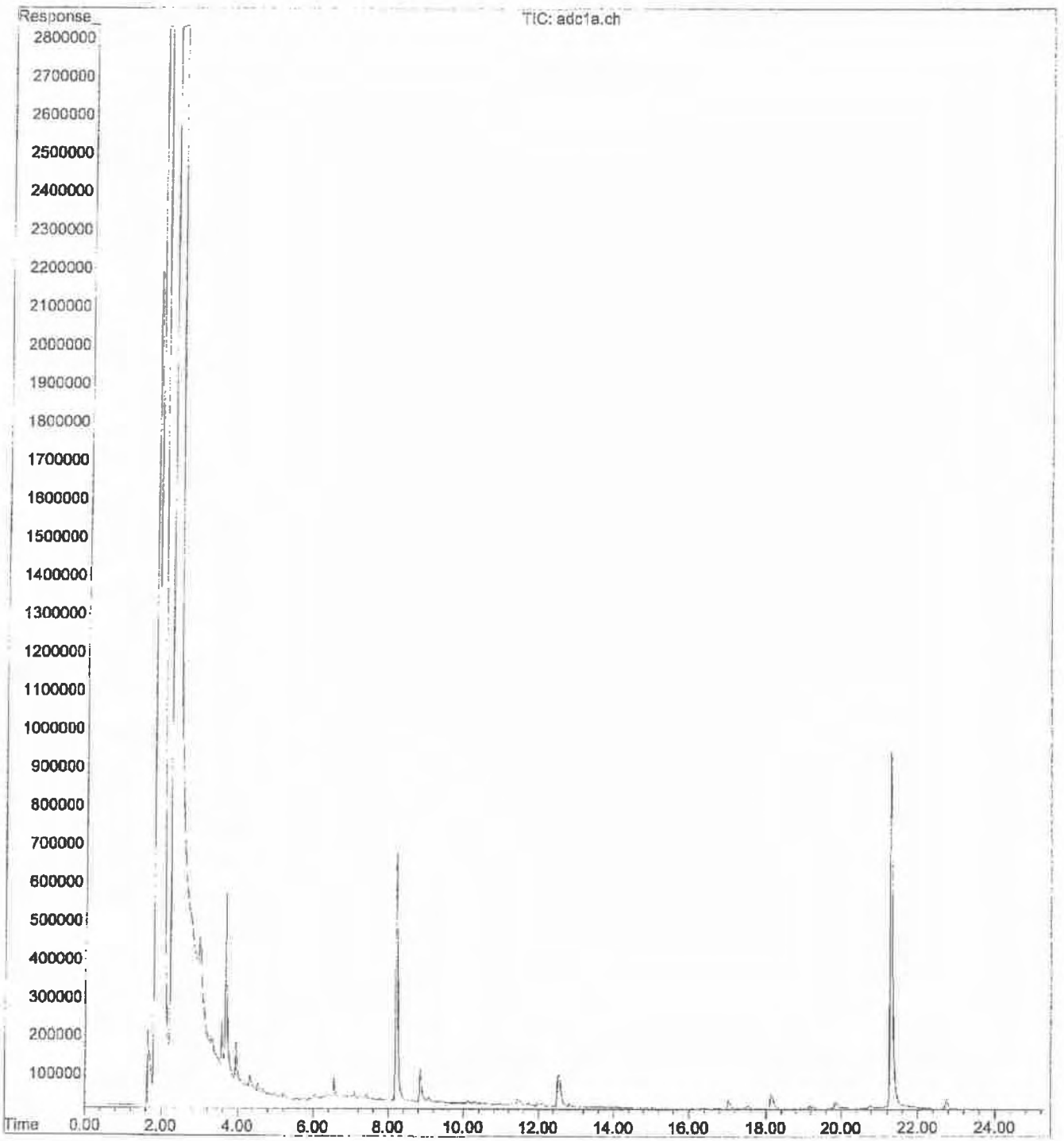
Operator : AJD
Acquired : 14 Apr 2006 02:22 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-14 pcb x1
Misc Info :
Vial Number: 24



File : X:\DATA\SVOA03\2006\APR06\041806\007F0101.D
Operator : AJD
Acquired : 18 Apr 2006 11:20 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-15 pcb x1
Misc Info :
Vial Number: 7



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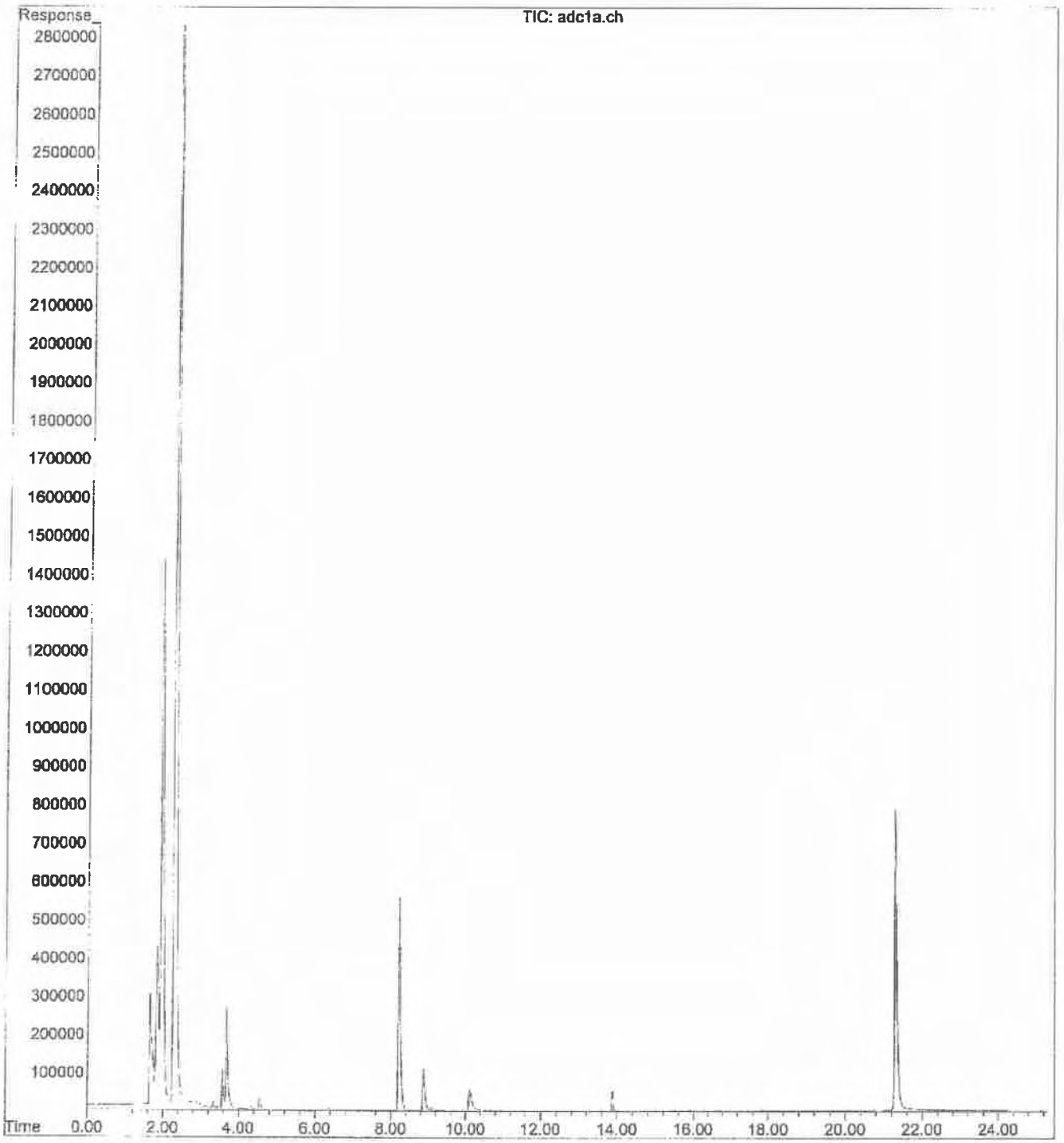
Operator : AJD
Acquired : 18 Apr 2006 02:12 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-16 pcb x1
Misc Info :
Vial Number: 13



RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10154

Company Name: ESMI
Phone #: 508-285-9700
FAX #: 508-285-9857
Company Address: 484 W. Main St. Dorton, MA
Site Location (City, State): Boston, MA
Project Manager: J. Callahan
Project ID / Name: DND Lewis 2006-056
Invoice To: ESMI
Protocol: RCRA SDWA NPDES MCP NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10154-01	ESM11	4	X			3					1	4/6/06	11:20	JC
02	ESM11	1	X				1					4/7/06	10:30	AF
03	ESM12	4	X			3					1	4/6/06	12:00	AF
04	ESM02	4	X			3					1	4/6/06	12:45	AF
05	ESM14	8	X			7					1	4/6/06	14:15	AF
06	DUP	3	X			3						4/6/06	14:45	AF
07	ESM13	8	X			7					1	4/6/06	14:45	AF
08	ESM8B	8	X			7					1	4/6/06	15:15	AF
09	ESM5	8	X			7					1	4/6/06	13.50	AF
10	ESM-3	5	X			3						4/7/06	9.45	AF
10MS/MSD	MS/MSD	1	X									4/7/06	9:50	

ANALYSIS REQUEST

Grab (G) or Composite (C)	Standard Drinking Water Test ☐ Bacteria P/A	TCLP Pesticides ☐ TCLP Herbicides (silica contract)	TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC	Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitability/FP	Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride	Cyanide ☐ Sulfide	T-Phosphate ☐ Phenol	Ammonia ☐ COD	Total Metals-list ☐ Dissolved Metals-list	Priority Pollutant Metals ☐ TAL Metals	TSS ☐ TDS ☐ TS	pH ☐ BOD ☐ Conductivity	O&G 1664 ☐ O&G SM5520F	8082 PCB ☐ 8081 Pesticides ☐ 608	8270PAH ☐ 8270ABN ☐ 625	TPH Fingerprint ☐ MEDRO ☐ DRO 8015	VOC 524.2 ☐ VOC 524.2 NH List	VOC 8260 BTEX, MtBE, Naphthalene only	VOC 8260 ☐ VOC8015GRO ☐ VOC 624	VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO
										X				X					X	
										X									X	
										X				X					X	
										X				X					X	
										X				X		X			X	X
																				X
										X				X		X			X	X
										X				X		X			X	X
										X				X		X			X	X
										X				X		*			*	X
										X										

* ADD 08ED ON ESM-3 per J. Callahan LWC 4/13/06

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☒
Other ☐

E-Mail Address:
Quote #:
PO #:

SPECIAL INSTRUCTIONS
MS/MSD from ESM-3
Metals samples field filtered

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 5 °C

Lab Use Only

CUSTODY RECORD

Relinquished by Sampler	Date	Time	Received by	Date	Time
Amanda Freeman	4/7/06	13:55			
Relinquished by:	Date	Time	Received by:	Date	Time
				4/7/06	13:55
Relinquished by:	Date	Time	Received by Laboratory:	Date	Time
			Way Bill#:		

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10154

Company Name: ES+M	Phone #: 508-285-9700
	FAX #: 508-285-9957
Company Address: 184 W. Main St Norton MA 02766	Site Location (City, State): Boston MA
Project Manager: J. Callahan	Project ID / Name: DND Lewis 2006-056
Invoice To: ES+M	Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	Matrix: SOLID	Matrix: OTHER	Preservation: HCl	Preservation: HNO3	Preservation: H2SO4	Preservation: NaOH	Preservation: MeOH	Preservation: OTHER (Specify)	Sampling: DATE	Sampling: TIME	Sampling: SAMPLER	VOC 8260 (8260B)	8082 PCB	RCRA Metals
12	ESM-14	1	X				1					4/7/06	8:15	AF			1
13	ESM-16	4	X			3						4/7/06	12:30	AF	3	1	
14	ESM-03B-D	4	X			3						4/7/06	12:45	AF	3	1	
15	ESM-03B-S	4	X			3						4/7/06	13:00	AF	3	1	
16	ESM-01	4	X			3						4/7/06	11:00	AF	3	1	

Analysis request options: ☐ VOC 8260-NH List ☐ MADEP VPH ☐ MEGRO; ☑ VOC 8260 ☐ VOC 8015GRO (8260) 8260B; ☐ VOC 8260 BTEX, MtBE, Naphthalene only; ☐ VOC 524.2 ☐ VOC 524.2 NH List; ☐ TPH Fingerprint ☐ MEDRO ☐ DRO 8015 (☐ FPH); ☐ 8270PAH ☐ 8270ABN ☐ 625; (☐ 8082 PCB) ☐ 8081 Pesticides ☐ 608; ☐ O&G 1664 ☐ O&G SM5520F; ☐ pH ☐ BOD ☐ Conductivity; ☐ TSS ☐ TDS ☐ TS; ☑ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals; ☐ Total Metals-list ☐ Dissolved Metals-list; ☐ Ammonia ☐ COD; ☐ T-Phosphate ☐ Phenol; ☐ Cyanide ☐ Sulfide; ☐ Nitrate ☐ Nitrite ☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride; ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP; ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC; ☐ TCLP Pesticide ☐ TCLP Herbicides (subcontract); ☐ Standard Drinking Water Test ☐ Bacteria P/A; Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☒
Other ☐

E-Mail Address ____
Quote # ____
PO # ____

SPECIAL INSTRUCTIONS
Metals Samples filtered in field

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify) ____
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 5 °C

Lab Use Only

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler: [signature]	4/7/06	13:55	Received by: [signature]	4/7/06	13:55
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: / Way Bill#:		

PAGE____OF____

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: ES&M
Phone #: 508-285-7700
FAX #: 508-285-9957
Company Address: 154 W. Main St. Norton MA.
Site Location (City, State): Boston MA
Project Manager: J. Callahan
Project ID / Name: DND Lewis 2006-056
Invoice To: ES&M
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

ANALYSIS REQUEST

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify) Ice	Sampling: DATE	TIME	SAMPLER	VOC 8260-NH List / MADEP VPH / MEGRO	VOC 8260 / VOC8015GRO / VOC 624 8260B	VOC 8260 BTEX, MtBE, Naphthalene only	TPH Fingerprint / MEGRO / DRO 8015 / EPH	8082 PCB / 8081 Pesticides / 608	RCRA Metals / Priority Pollutant Metals / TAL Metals
	ESM11	4	X			3					/	4/6/06	11:20	TC		X			X	[illegible]
	ESM11	1	X				/					4/7/06	10:30	AF						X
	ESM12	4	X			3					/	4/6/06	12:00	AF		X			X	
	ES102	4	X			3					/	[illegible]	12:45	AF		X			X	
	ESM14	[illegible]	X			[illegible]					/	4/6/06	14:15	AF	X	X		X	X	X
	Dup	3	X			3						[illegible]	14:45	AF	X					
	ESM13	8	X			7					/	4/6/06	14:45	AF	X	X		X	X	
	ESM8R	8	X			7					/	4/6/06	15:15	AF	X	X		X	X	
	ESM8	8	X			[illegible]					/	4/6/06	13:50	AF	X	X	(JC)	X	X	
	~~ESM~~ ESM-3	5	X			[illegible]						4/7/06	9:45	AF	X	X		[illegible]	X	X
	ms/msD	1	X									4/7/06	9:30							X

Other analyses listed (not marked): VOC 524.2 / VOC 524.2 NH List; 8270PAH / 8270ABN / 625; O&G 1664 / O&G SM5520F; pH / BOD / Conductivity; TSS / TDS / TS; Total Metals list / Dissolved Metals-list; Ammonia / COD; T-Phosphate / Phenol; Cyanide / Sulfide; Nitrate / Nitrite / Ortho P / Sulfate / Bromide / Chloride; Corrosivity / Reactive CN / Reactive S- / Ignitibility/FP; TCLP Metals / TCLP VOC / TCLP SVOC; TCLP Pesticide / TCLP Herbicides (subcontract); Standard Drinking Water Test / Bacteria P/A; Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☒
Other ☐
E-Mail Address ______
Quote # ______
PO # ______

SPECIAL INSTRUCTIONS
ms/msD from ESM-3
Metals samples filtered
(JC) Please also run ESM3 4/13/06 Sample for VOC 8260B

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify) ______
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☐ YES ☐ NO
TEMPERATURE ______ °C
Lab Use Only

CUSTODY RECORD

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Sampler: [signature]	4/7/06	13:35	Received by: [signature]	4/7/06	13:35
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: Way Bill#:		

Apr 13 06 08:54a From-ES&M 508-285-9957 p.2

RL Resource Laboratories, LLC

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10170
Date Received: 4/11/06

Project: 2006-056 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

4-27-06
Date

Total number of pages 28

Resource Laboratories, LLC Certifications

New Hampshire	NH902	Connecticut	PH-0146
Maine	NH903	Massachusetts	M-NH902

124 Heritage Avenue #10 Portsmouth NH 03801
Voice: 603-436-2001 Fax: 603-430-2100
www.reslabs.com

Lab Number:	10170-01
Sample Designation:	PZ-03-S
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	U	40
chloromethane	U	40	2-hexanone	U	200
vinyl chloride	3900	40	1,1,2-trichloroethane	U	40
bromomethane	U	40	1,3-dichloropropane	U	40
chloroethane	U	40	tetrachloroethene	U	40
trichlorofluoromethane	U	40	dibromochloromethane	U	40
diethyl ether	U	200	1,2-dibromoethane	U	40
acetone	U	200	chlorobenzene	U	40
1,1-dichloroethene	63	20	1,1,1,2-tetrachloroethane	U	40
methylene chloride	U	100	ethylbenzene	U	40
carbon disulfide	U	40	m&p-xylenes	49	40
methyl t-butyl ether (MTBE)	U	40	o-xylene	U	40
trans-1,2-dichloroethene	120	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	Isopropylbenzene	U	40
1,1-dichloroethane	2900	40	1,1,2,2-tetrachloroethane	U	40
t-butanol (TBA)	U	1000	1,2,3-trichloropropane	U	40
2-butanone (MEK)	U	200	n-propylbenzene	U	40
2,2-dichloropropane	U	40	bromobenzene	U	40
cis-1,2-dichloroethene	11000	40	1,3,5-trimethylbenzene	U	40
chloroform	U	40	2-chlorotoluene	U	40
bromochloromethane	U	40	4-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	U	40
1,1,1-trichloroethane	1700	40	1,2,4-trimethylbenzene	U	40
1,1-dichloropropene	U	40	sec-butylbenzene	U	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U	40
carbon tetrachloride	U	40	4-isopropyltoluene	U	40
1,2-dichloroethane	410	40	1,4-dichlorobenzene	U	40
benzene	U	40	1,2-dichlorobenzene	260	40
trichloroethene	U	40	n-butylbenzene	U	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	U	40
dibromomethane	U	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	U	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
toluene	260	40	1,4-dioxane	U	1000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	96	78-114
toluene-D8	106	88-110
4-bromofluorobenzene	102	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10170-02
Sample Designation:	PZ-01-D
Date Sampled:	4/10/06
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	5
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	10	trans-1,3-dichloropropene	U	10
chloromethane	U	10	2-hexanone	U	50
vinyl chloride	1700 D	20	1,1,2-trichloroethane	U	10
bromomethane	U	10	1,3-dichloropropane	U	10
chloroethane	U	10	tetrachloroethene	28	10
trichlorofluoromethane	U	10	dibromochloromethane	U	10
diethyl ether	U	50	1,2-dibromoethane	U	10
acetone	U	50	chlorobenzene	U	10
1,1-dichloroethene	11	5	1,1,1,2-tetrachloroethane	U	10
methylene chloride	U	30	ethylbenzene	36	10
carbon disulfide	U	10	m&p-xylenes	80	10
methyl t-butyl ether (MTBE)	U	10	o-xylene	33	10
trans-1,2-dichloroethene	20	10	styrene	U	10
isopropyl ether (DIPE)	U	10	bromoform	U	10
ethyl t-butyl ether (ETBE)	U	10	isopropylbenzene	U	10
1,1-dichloroethane	890	10	1,1,2,2-tetrachloroethane	U	10
t-butanol (TBA)	U	300	1,2,3-trichloropropane	U	10
2-butanone (MEK)	U	50	n-propylbenzene	U	10
2,2-dichloropropane	U	10	bromobenzene	U	10
cis-1,2-dichloroethene	2400	10	1,3,5-trimethylbenzene	U	10
chloroform	U	10	2-chlorotoluene	U	10
bromochloromethane	U	10	4-chlorotoluene	U	10
tetrahydrofuran (THF)	U	50	tert-butylbenzene	U	10
1,1,1-trichloroethane	990	10	1,2,4-trimethylbenzene	10	10
1,1-dichloropropene	U	10	sec-butylbenzene	U	10
t-amyl-methyl ether (TAME)	U	10	1,3-dichlorobenzene	U	10
carbon tetrachloride	U	10	4-isopropyltoluene	U	10
1,2-dichloroethane	57	10	1,4-dichlorobenzene	U	10
benzene	11	10	1,2-dichlorobenzene	45	10
trichloroethene	33	10	n-butylbenzene	U	10
1,2-dichloropropane	U	10	1,2-dibromo-3-chloropropane	U	10
bromodichloromethane	U	10	1,2,4-trichlorobenzene	U	10
dibromomethane	U	10	hexachlorobutadiene	U	10
4-methyl-2-pentanone (MIBK)	U	50	naphthalene	U	30
cis-1,3-dichloropropene	U	10	1,2,3-trichlorobenzene	U	10
toluene	670	10	1,4-dioxane	U	300

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	92	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	105	86-115

D = Result obtained from a re-analysis at a dilution.
U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10170-03
Sample Designation:	PZ-01-S
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	50
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chloromethane	U	100	2-hexanone	U	500
vinyl chloride	6400	100	1,1,2-trichloroethane	U	100
bromomethane	U	100	1,3-dichloropropane	U	100
chloroethane	U	100	tetrachloroethene	U	100
trichlorofluoromethane	U	100	dibromochloromethane	U	100
diethyl ether	U	500	1,2-dibromoethane	U	100
acetone	U	500	chlorobenzene	U	100
1,1-dichloroethene	92	50	1,1,1,2-tetrachloroethane	U	100
methylene chloride	U	300	ethylbenzene	330	100
carbon disulfide	U	100	m&p-xylenes	940	100
methyl t-butyl ether (MTBE)	U	100	o-xylene	290	100
trans-1,2-dichloroethene	200	100	styrene	U	100
isopropyl ether (DIPE)	U	100	bromoform	U	100
ethyl t-butyl ether (ETBE)	U	100	isopropylbenzene	U	100
1,1-dichloroethane	4000	100	1,1,2,2-tetrachloroethane	U	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	U	100
2-butanone (MEK)	U	500	n-propylbenzene	U	100
2,2-dichloropropane	U	100	bromobenzene	U	100
cis-1,2-dichloroethene	24000	100	1,3,5-trimethylbenzene	U	100
chloroform	U	100	2-chlorotoluene	U	100
bromochloromethane	U	100	4-chlorotoluene	U	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	U	100
1,1,1-trichloroethane	4700	100	1,2,4-trimethylbenzene	U	100
1,1-dichloropropene	U	100	sec-butylbenzene	U	100
t-amyl-methyl ether (TAME)	U	100	1,3-dichlorobenzene	U	100
carbon tetrachloride	U	100	4-isopropyltoluene	U	100
1,2-dichloroethane	100	100	1,4-dichlorobenzene	U	100
benzene	U	100	1,2-dichlorobenzene	200	100
trichloroethene	200	100	n-butylbenzene	U	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	U	100
bromodichloromethane	U	100	1,2,4-trichlorobenzene	U	100
dibromomethane	U	100	hexachlorobutadiene	U	100
4-methyl-2-pentanone (MIBK)	U	500	naphthalene	U	300
cis-1,3-dichloropropene	U	100	1,2,3-trichlorobenzene	U	100
toluene	24000	100	1,4-dioxane	U	3000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	97	78-114
toluene-D8	106	88-110
4-bromofluorobenzene	103	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10170-04
Sample Designation:	PZ-02-S
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	50
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chloromethane	U	100	2-hexanone	U	500
vinyl chloride	740	100	1,1,2-trichloroethane	140	100
bromomethane	U	100	1,3-dichloropropane	U	100
chloroethane	U	100	tetrachloroethene	240	100
trichlorofluoromethane	200	100	dibromochloromethane	U	100
diethyl ether	U	500	1,2-dibromoethane	U	100
acetone	U	500	chlorobenzene	U	100
1,1-dichloroethene	740	50	1,1,1,2-tetrachloroethane	U	100
methylene chloride	5800	300	ethylbenzene	350	100
carbon disulfide	U	100	m&p-xylenes	890	100
methyl t-butyl ether (MTBE)	U	100	o-xylene	310	100
trans-1,2-dichloroethene	240	100	styrene	U	100
isopropyl ether (DIPE)	U	100	bromoform	U	100
ethyl t-butyl ether (ETBE)	U	100	isopropylbenzene	U	100
1,1-dichloroethane	3200	100	1,1,2,2-tetrachloroethane	U	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	U	100
2-butanone (MEK)	U	500	n-propylbenzene	U	100
2,2-dichloropropane	U	100	bromobenzene	U	100
cis-1,2-dichloroethene	48000 D	400	1,3,5-trimethylbenzene	U	100
chloroform	U	100	2-chlorotoluene	U	100
bromochloromethane	U	100	4-chlorotoluene	U	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	U	100
1,1,1-trichloroethane	37000	100	1,2,4-trimethylbenzene	180	100
1,1-dichloropropene	U	100	sec-butylbenzene	U	100
t-amyl-methyl ether (TAME)	U	100	1,3-dichlorobenzene	U	100
carbon tetrachloride	U	100	4-isopropyltoluene	U	100
1,2-dichloroethane	3300	100	1,4-dichlorobenzene	U	100
benzene	220	100	1,2-dichlorobenzene	120	100
trichloroethene	220	100	n-butylbenzene	U	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	U	100
bromodichloromethane	U	100	1,2,4-trichlorobenzene	U	100
dibromomethane	U	100	hexachlorobutadiene	U	100
4-methyl-2-pentanone (MIBK)	560	500	naphthalene	U	300
cis-1,3-dichloropropene	U	100	1,2,3-trichlorobenzene	U	100
toluene	10000	100	1,4-dioxane	U	3000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	105	88-110
4-bromofluorobenzene	104	86-115

D = Result obtained from a re-analysis at a dilution.
U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10170-05
Sample Designation:	PZ-02-D
Date Sampled:	4/10/06
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	10
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	20	trans-1,3-dichloropropene	U	20
chloromethane	U	20	2-hexanone	U	100
vinyl chloride	130	20	1,1,2-trichloroethane	U	20
bromomethane	U	20	1,3-dichloropropane	U	20
chloroethane	U	20	tetrachloroethene	53	20
trichlorofluoromethane	U	20	dibromochloromethane	U	20
diethyl ether	U	100	1,2-dibromoethane	U	20
acetone	U	100	chlorobenzene	U	20
1,1-dichloroethene	50	10	1,1,1,2-tetrachloroethane	U	20
methylene chloride	150	50	ethylbenzene	34	20
carbon disulfide	U	20	m&p-xylenes	56	20
methyl t-butyl ether (MTBE)	U	20	o-xylene	22	20
trans-1,2-dichloroethene	U	20	styrene	U	20
Isopropyl ether (DIPE)	U	20	bromoform	U	20
ethyl t-butyl ether (ETBE)	U	20	isopropylbenzene	U	20
1,1-dichloroethane	260	20	1,1,2,2-tetrachloroethane	U	20
t-butanol (TBA)	U	500	1,2,3-trichloropropane	U	20
2-butanone (MEK)	U	100	n-propylbenzene	U	20
2,2-dichloropropane	U	20	bromobenzene	U	20
cis-1,2-dichloroethene	3300	20	1,3,5-trimethylbenzene	U	20
chloroform	U	20	2-chlorotoluene	U	20
bromochloromethane	U	20	4-chlorotoluene	U	20
tetrahydrofuran (THF)	U	100	tert-butylbenzene	U	20
1,1,1-trichloroethane	1500	20	1,2,4-trimethylbenzene	27	20
1,1-dichloropropene	U	20	sec-butylbenzene	U	20
t-amyl-methyl ether (TAME)	U	20	1,3-dichlorobenzene	U	20
carbon tetrachloride	U	20	4-isopropyltoluene	U	20
1,2-dichloroethane	150	20	1,4-dichlorobenzene	U	20
benzene	23	20	1,2-dichlorobenzene	U	20
trichloroethene	62	20	n-butylbenzene	U	20
1,2-dichloropropane	U	20	1,2-dibromo-3-chloropropane	U	20
bromodichloromethane	U	20	1,2,4-trichlorobenzene	U	20
dibromomethane	U	20	hexachlorobutadiene	U	20
4-methyl-2-pentanone (MIBK)	U	100	naphthalene	U	50
cis-1,3-dichloropropene	U	20	1,2,3-trichlorobenzene	U	20
toluene	500	20	1,4-dioxane	U	500

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	96	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	103	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10170-06
Sample Designation:	PZ-03-D
Date Sampled:	4/10/06
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	92	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	280	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	5	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	4	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	93	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	580	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	180	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	32	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	63	2
trichloroethene	73	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	3	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	96	78-114
toluene-D8	105	88-110
4-bromofluorobenzene	106	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10170-01
Sample Designation:	PZ-03-S
Date Sampled:	4/10/06
Date Extracted:	4/13/06
Date Analyzed:	4/19/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.5
PCB-1242	1.6	0.5
PCB-1221	U	0.5
PCB-1232	U	0.5
PCB-1248	U	0.5
PCB-1254	U	0.5
PCB-1260	U	0.5
PCB-1262	U	0.5
PCB-1268	U	0.5

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	93	30-150
Decachlorobiphenyl	109	30-150

U = Below quantitation limit

Lab Number:	10170-04
Sample Designation:	PZ-02-S
Date Sampled:	4/10/06
Date Extracted:	4/13/06
Date Analyzed:	4/20/06
Matrix:	Water
Dilution Factor:	50
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	20
PCB-1242	95	20
PCB-1221	U	20
PCB-1232	U	20
PCB-1248	U	20
PCB-1254	U	20
PCB-1260	U	20
PCB-1262	U	20
PCB-1268	U	20

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	DOR	30-150
Decachlorobiphenyl	DOR	30-150

DOR = Diluted out of range.
U = Below quantitation limit

Lab Number:	10170-05
Sample Designation:	PZ-02-D
Date Sampled:	4/10/06
Date Extracted:	4/13/06
Date Analyzed:	4/20/06
Matrix:	Water
Dilution Factor:	5
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	2
PCB-1242	9	2
PCB-1221	U	2
PCB-1232	U	2
PCB-1248	U	2
PCB-1254	U	2
PCB-1260	U	2
PCB-1262	U	2
PCB-1268	U	2

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	90	30-150
Decachlorobiphenyl	139	30-150

U = Below quantitation limit

Lab Number:	10170-06
Sample Designation:	PZ-03-D
Date Sampled:	4/10/06
Date Extracted:	4/13/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.6
PCB-1242	U	0.6
PCB-1221	U	0.6
PCB-1232	U	0.6
PCB-1248	U	0.6
PCB-1254	U	0.6
PCB-1260	U	0.6
PCB-1262	U	0.6
PCB-1268	U	0.6

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	69	30-150
Decachlorobiphenyl	95	30-150

U = Below quantitation limit

Project ID: Lewis Chemical 2006-056
Lab ID: 10170

Lab Number: 10170-001
Sample ID: PZ-03-S
Matrix: Water
Sampled: 4/10/06 14:20

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:09	SW3005A6010B

Lab Number: 10170-002
Sample ID: PZ-01-D
Matrix: Water
Sampled: 4/10/06 14:45

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:13	SW3005A6010B

Lab Number: 10170-003
Sample ID: PZ-01-S
Matrix: Water
Sampled: 4/10/06 13:00

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:18	SW3005A6010B

Lab Number: 10170-004
Sample ID: PZ-02-S
Matrix: Water
Sampled: 4/10/06 15:15

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:23	SW3005A6010B

Lab Number: 10170-005
Sample ID: PZ-02-D
Matrix: Water
Sampled: 4/10/06 15:30

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/17/06	12:17	SW3005A6010B

Lab Number: 10170-006
Sample ID: PZ-03-D
Matrix: Water
Sampled: 4/10/06 15:45

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:27	SW3005A6010B

RL Resource Laboratories, LLC

Quality Control Report

Case Narrative
Lab # 10170

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 5 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration
VOC: The continuing calibration verification for naphthalene did not meet acceptance criteria (69%). Samples 10170-01, 03, and -04 were analyzed in this window. All calibration check compounds (CCC) met acceptance criteria. No further action required.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
VOC 8260: LCS 10170-51 did not meet acceptance criteria for dichlorodifluoromethane and acetone.
VOC 8260: LCS 10170-53 did not meet the acceptance limits for 2,2 dichloropropane, bromomethane , styrene and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria.

These compounds noted with failures are known to be problematic in the method.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other
PCB: The sample peaks most closely resembled Aroclor 1242, however there was also a similarity to Aroclor 1248. Possibly due to weathering, the Aroclor identification is difficult and not absolute. Chromatograms are provided. Samples that contained non-aroclor peaks have been noted on the report pages. Quantification is quadratic.

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Case Narrative
Lab # 10170
(continued)

PCB: A sulfur clean up was performed on samples 10170-01 and -05.

VOC: The following compounds were quantified using quadratic fit: Dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, acetone, dibromochloromethane, isopropylbenzene, tert-butyl benzene, and hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

Metals: Lead only was requested by the customer.

No other exceptions noted.

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MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 10170
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 (x)	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 (x)	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( )NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes ( ) No (x)

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 4-27-06

Lab Number:	10170-50
Sample Designation:	Preparation Blank 209 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	74	30-150
Decachlorobiphenyl	86	30-150

U = Below quantitation limit

Lab Number:	10170-51
Sample Designation:	Laboratory Control Sample/Duplicate 209 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Amount Added ug/L	Amount Found in LCS ug/L	LCS Recovery (%)	Amount Found in LCSD ug/L	LCSD Recovery (%)	RPD (%)	Date of Analysis
PCB-1016	2	1.5	75%	1.5	75%	0.0%	4/13/06
PCB-1242							4/13/06
PCB-1221							4/13/06
PCB-1232							4/13/06
PCB-1248							4/13/06
PCB-1254							4/13/06
PCB-1260	2	1.4	70%	1.5	75%	6.9%	4/13/06
PCB-1262							4/13/06
PCB-1268							4/13/06
Acceptance Criteria:			40-140%		40-140%	20%	

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	83	30-150	78	30-150
Decachlorobiphenyl	88	30-150	92	30-150

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number 10170 METALS QC REPORT
Batch QC Results

Prep Blank

Analyte	Sample ID #	Result (mg/L)	Reporting Limit (mg/L)
Lead	ICB041306	< 0.01	0.01

Laboratory Control Sample

Analyte	Sample ID #	Result (mg/L)	True Value (mg/L)	%Recovery Control Limits (85-115%)
Lead	ICV041306	0.97	1.00	97

Lab Number:	10170-50
Sample Designation:	Method blank 041806A
Date Sampled:	N/A
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	107	88-110
4-bromofluorobenzene	98	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 10170-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: X:\DATA\VOA03\2006\APR06\041806\V3041822.D
Date Analyzed: 4/18/06
SW 846 Method 5030B/8260B

	LCS			LCSD		RPD
Compound	Amount Found	% Recovery		Amount Found	% Recovery	
dichlorodifluoromethane	14	70%	*	14	72%	3%
chloromethane	16	80%		18	88%	9%
vinyl chloride	17	88%		18	92%	7%
bromomethane	16	82%		18	88%	7%
chloroethane	17	86%		18	91%	5%
trichlorofluoromethane	18	90%		19	97%	7%
diethylether	18	92%		18	91%	1%
acetone	13	67%	*	14	72%	7%
1,1-dichloroethene	17	86%		19	95%	10%
methylene chloride	19	97%		19	97%	0%
carbon disulfide	18	90%		19	94%	4%
methyl-t-butyl ether (MTBE)	35	89%		36	90%	1%
trans-1,2-dichloroethene	18	91%		20	98%	7%
isopropyl ether (DIPE)	18	92%		19	97%	5%
ethyl-t-butyl ether (ETBE)	18	91%		19	96%	6%
1,1-dichloroethane	17	86%		18	92%	7%
t-butanol (TBA)	74	74%		78	78%	6%
2-butanone (MEK)	17	83%		16	81%	3%
2,2-dichloropropane	17	83%		18	89%	7%
cis-1,2-dichloroethene	20	101%		21	107%	7%
chloroform	19	96%		20	102%	7%
bromochloromethane	21	104%		21	107%	3%
tetrahydrofuran (THF)	17	85%		18	88%	4%
1,1,1-trichloroethane	17	87%		19	96%	9%
1,1-dichloropropene	19	95%		20	102%	7%
t-amyl-methyl ether (TAME)	19	94%		19	96%	3%
carbon tetrachloride	17	83%		18	90%	8%
1,2-dichloroethane	18	88%		18	90%	2%
benzene	20	100%		21	106%	5%
trichloroethene	20	101%		21	107%	6%
1,2-dichloropropane	20	99%		21	104%	6%
bromodichloromethane	17	84%		18	89%	6%
dibromomethane	20	101%		21	105%	4%
4-methyl-2-pentanone (MIBK)	19	95%		19	97%	2%
cis-1,3-dichloropropene	20	98%		20	102%	4%
toluene	21	105%		22	110%	5%
trans-1,3-dichloropropene	17	85%		18	90%	6%
2-hexanone	17	84%		18	89%	6%
1,1,2-trichloroethane	20	102%		21	106%	4%
1,3-dichloropropane	21	105%		22	108%	3%
tetrachloroethene	22	111%		24	120%	8%
dibromochloromethane	20	99%		20	100%	2%
1,2-dibromoethane (EDB)	21	106%		21	106%	1%
chlorobenzene	21	107%		22	112%	4%
1,1,1,2-tetrachloroethane	20	102%		21	107%	4%
ethylbenzene	21	106%		22	108%	2%
m&p-xylenes	44	109%		45	114%	4%
o-xylene	22	111%		23	116%	4%
styrene	21	106%		22	110%	4%
bromoform	20	102%		21	103%	1%
isopropylbenzene	22	112%		24	119%	6%
1,1,2,2-tetrachloroethane	18	92%		18	91%	2%
1,2,3-trichloropropane	18	88%		17	87%	1%
n-propylbenzene	21	103%		21	107%	4%
bromobenzene	21	103%		22	108%	5%
1,3,5-trimethylbenzene	19	97%		20	100%	2%
2-chlorotoluene	19	95%		20	99%	4%
4-chlorotoluene	19	97%		20	100%	4%
tert-butylbenzene	17	87%		18	89%	3%
1,2,4-trimethylbenzene	19	94%		20	100%	6%
sec-butylbenzene	19	97%		20	102%	6%
1,3-dichlorobenzene	20	100%		20	102%	2%
4-isopropyltoluene	21	104%		22	110%	6%
1,4-dichlorobenzene	19	96%		20	100%	4%
1,2-dichlorobenzene	20	102%		21	104%	2%
n-butylbenzene	20	100%		21	107%	7%
1,2-dibromo-3-chloropropane (	17	83%		17	87%	5%
1,2,4-trichlorobenzene	18	90%		19	97%	8%
hexachlorobutadiene	19	97%		21	104%	7%
naphthalene	14	72%		16	78%	8%
1,2,3-trichlorobenzene	18	91%		19	96%	5%
1,4-dioxane	37	92%		33	82%	12%

SURROGATE STANDARDS		
SS dibromofluoromethane	92%	99%
SS toluene-D8	105%	108%
SS 4-bromofluorobenzene	107%	101%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%
* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

Lab Number:	10170-52
Sample Designation:	Method Blank 041906
Date Sampled:	N/A
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	93	78-114
toluene-D8	100	88-110
4-bromofluorobenzene	99	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

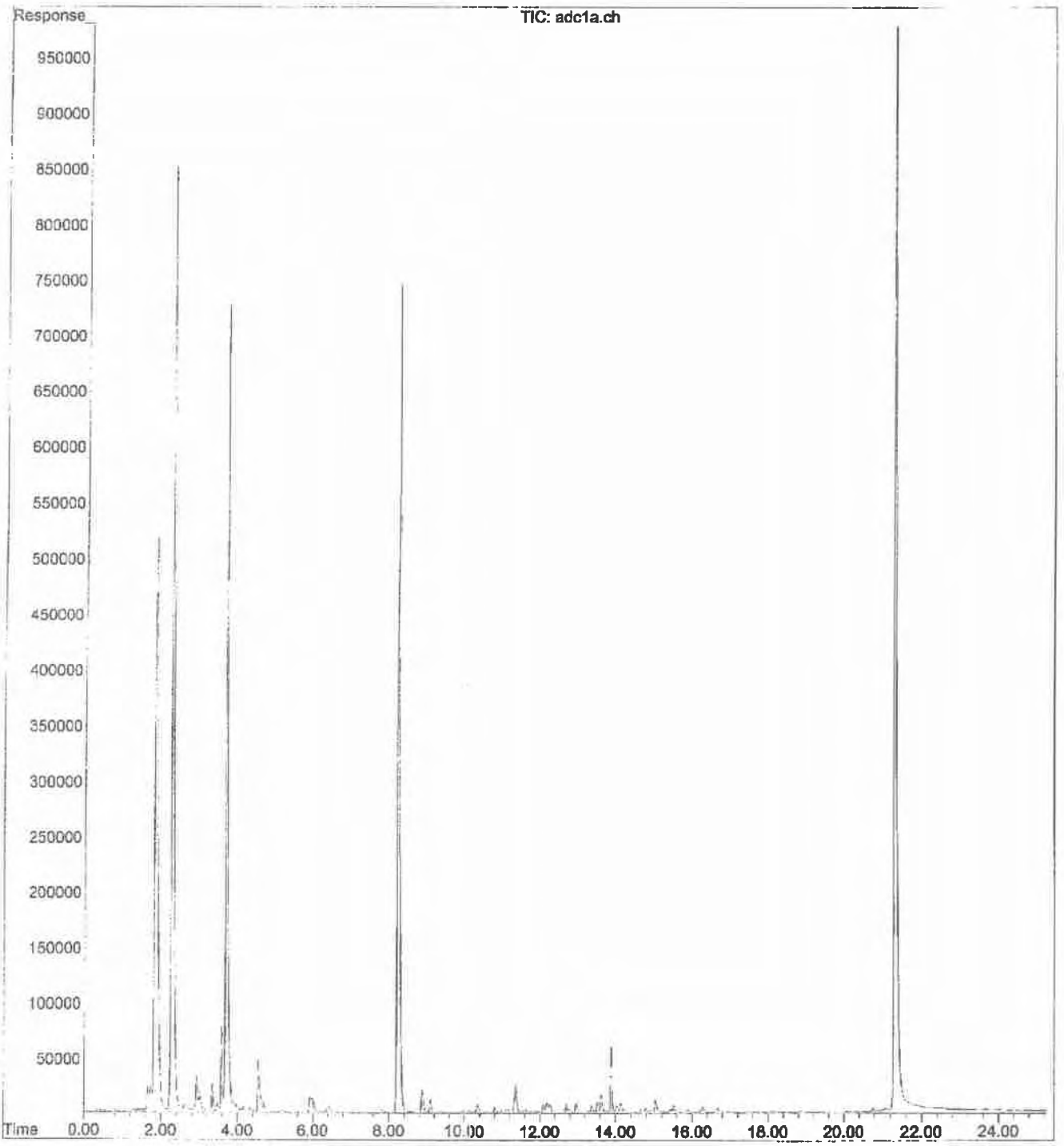
Lab Number: 10170-53
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: X:\DATA\VOA03\2006\APR06\041806\V3041844.D
Date Analyzed: 4/18/06
SW 846 Method 5030B/8260B

	LCS		LCSD		RPD
Compound	Amount Found	% Recovery	Amount Found	% Recovery	
dichlorodifluoromethane	14	70%	13	66% *	5%
chloromethane	17	84%	16	79%	6%
vinyl chloride	17	87%	17	85%	3%
bromomethane	11	54% *	13	63% *	15%
chloroethane	18	88%	17	84%	4%
trichlorofluoromethane	19	93%	18	88%	5%
diethylether	19	93%	19	94%	1%
acetone	18	88%	18	88%	1%
1,1-dichloroethane	17	87%	18	88%	1%
methylene chloride	20	99%	19	94%	5%
carbon disulfide	18	88%	17	84%	5%
methyl-t-butyl ether (MTBE)	38	95%	37	93%	3%
trans-1,2-dichloroethene	18	91%	18	90%	2%
isopropyl ether (DIPE)	19	95%	18	90%	5%
ethyl-t-butyl ether (ETBE)	19	97%	19	94%	4%
1,1-dichloroethane	18	91%	17	86%	5%
t-butanol (TBA)	90	90%	88	88%	3%
2-butanone (MEK)	19	93%	18	89%	4%
2,2-dichloropropane	13	67% *	13	66% *	2%
cis-1,2-dichloroethene	21	104%	20	99%	5%
chloroform	19	95%	19	96%	1%
bromochloromethane	21	106%	21	104%	2%
tetrahydrofuran (THF)	19	96%	19	95%	1%
1,1,1-trichloroethane	20	98%	18	91%	7%
1,1-dichloropropene	19	97%	19	96%	1%
t-amyl-methyl ether (TAME)	20	100%	19	94%	6%
carbon tetrachloride	17	87%	17	83%	4%
1,2-dichloroethane	18	88%	18	89%	2%
benzene	20	98%	20	99%	1%
trichloroethene	21	103%	20	101%	2%
1,2-dichloropropane	20	102%	20	100%	2%
bromodichloromethane	18	88%	17	87%	1%
dibromomethane	21	103%	21	104%	1%
4-methyl-2-pentanone (MIBK)	21	104%	20	100%	4%
cis-1,3-dichloropropene	18	92%	18	89%	3%
toluene	20	102%	21	103%	1%
trans-1,3-dichloropropene	17	85%	16	81%	4%
2-hexanone	16	82%	17	85%	4%
1,1,2-trichloroethane	21	106%	20	101%	5%
1,3-dichloropropane	20	102%	21	104%	3%
tetrachloroethene	22	108%	22	111%	3%
dibromochloromethane	19	96%	20	98%	2%
1,2-dibromoethane (EDB)	20	99%	21	104%	4%
chlorobenzene	20	98%	20	102%	4%
1,1,1,2-tetrachloroethane	20	99%	20	100%	2%
ethylbenzene	20	98%	20	100%	3%
m&p-xylenes	41	102%	43	106%	4%
o-xylene	20	102%	21	106%	4%
styrene	8	42% #	14	72%	53% +
bromoform	19	97%	20	101%	3%
isopropylbenzene	21	104%	22	108%	4%
1,1,2,2-tetrachloroethane	18	90%	18	94%	4%
1,2,3-trichloropropane	18	88%	18	89%	1%
n-propylbenzene	19	93%	20	100%	7%
bromobenzene	19	96%	21	103%	7%
1,3,5-trimethylbenzene	17	87%	19	97%	10%
2-chlorotoluene	17	86%	19	94%	9%
4-chlorotoluene	18	88%	19	95%	8%
tert-butylbenzene	17	83%	17	87%	4%
1,2,4-trimethylbenzene	18	90%	19	97%	7%
sec-butylbenzene	18	91%	18	92%	0%
1,3-dichlorobenzene	19	94%	20	99%	5%
4-isopropyltoluene	19	94%	20	102%	8%
1,4-dichlorobenzene	18	92%	19	96%	5%
1,2-dichlorobenzene	19	96%	20	100%	4%
n-butylbenzene	19	95%	20	100%	5%
1,2-dibromo-3-chloropropane (	17	85%	19	94%	10%
1,2,4-trichlorobenzene	17	86%	19	94%	8%
hexachlorobutadiene	18	90%	19	95%	5%
naphthalene	15	74%	16	80%	8%
1,2,3-trichlorobenzene	18	91%	20	100%	9%
1,4-dioxane	35	89%	38	96%	8%
SURROGATE STANDARDS					
SS dibromofluoromethane		99%		99%	
SS toluene-D8		108%		108%	
SS 4-bromofluorobenzene		107%		101%	

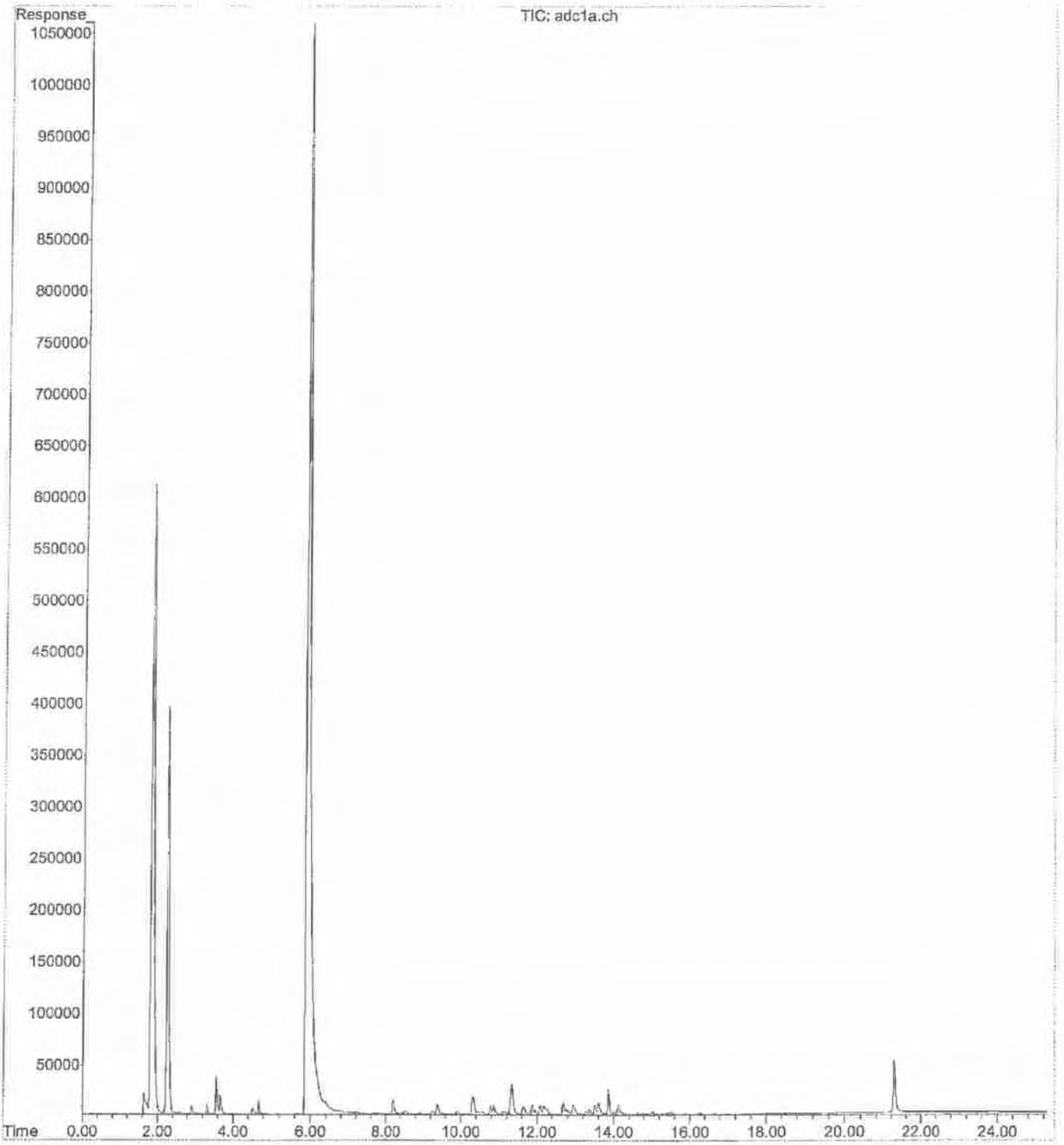
Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.
# = This analyte showed recovery outside the acceptance limits.
+ = The RPD was above the acceptance limit.

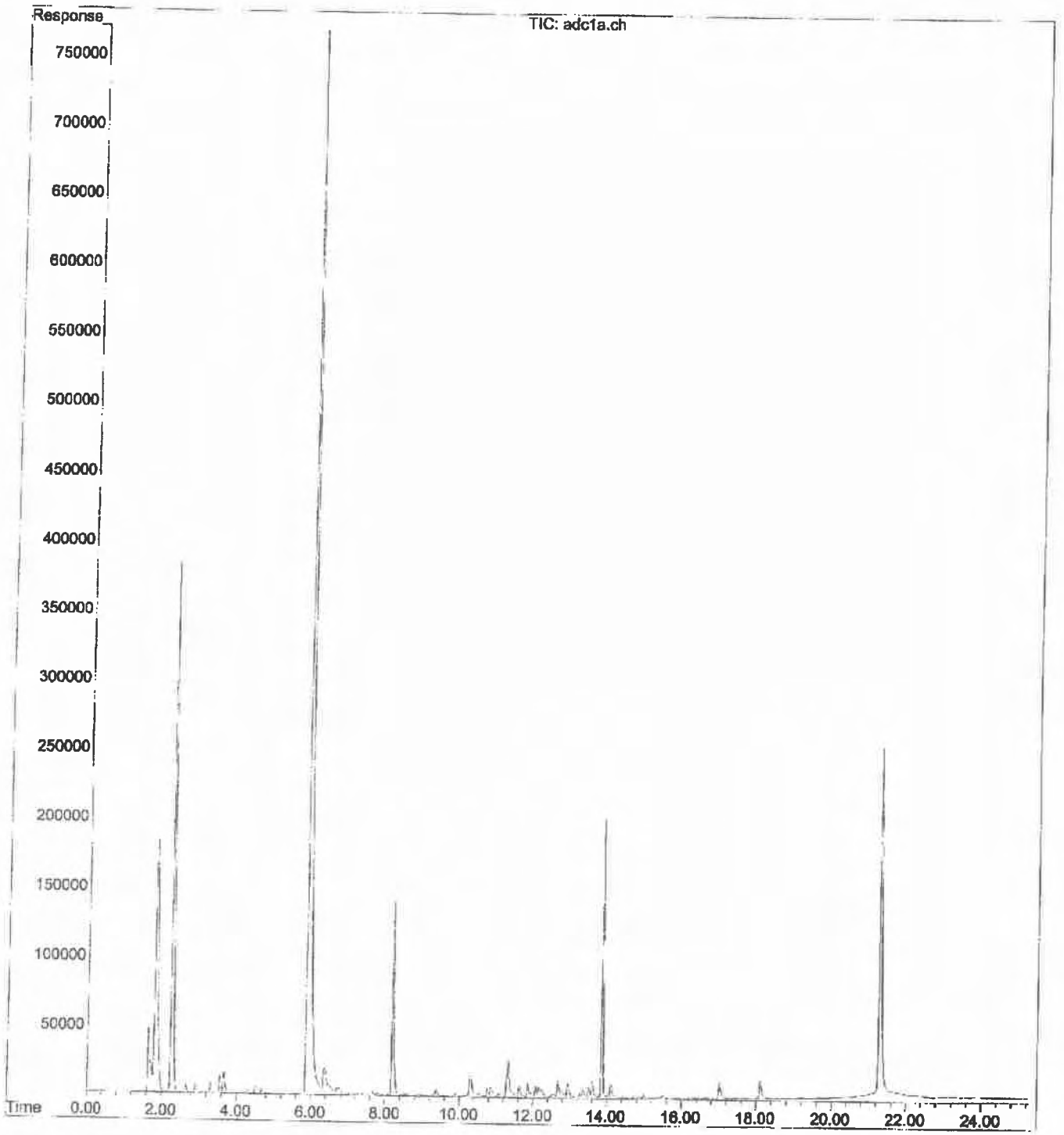
File : X:\DATA\SVOA03\2006\APR06\041906\009F0101.D
Operator : AJD
Acquired : 19 Apr 2006 05:40 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10170-01rr pcbx1
Misc Info :
Vial Number: 9



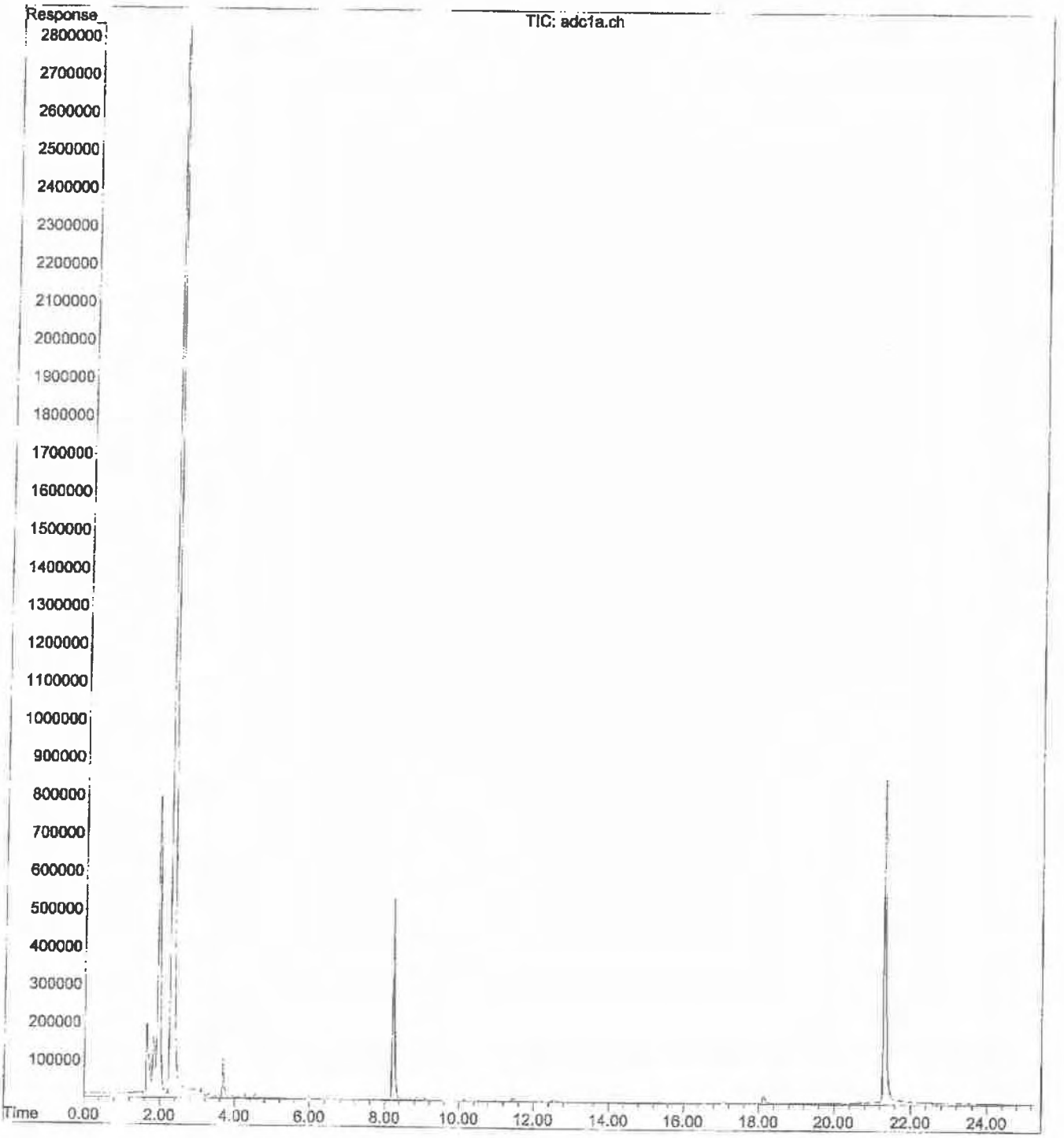
File : X:\DATA\SVOA03\2006\APR06\042006\014F0101.D
Operator : AJD
Acquired : 20 Apr 2006 04:32 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10170-~~09~~ 04 pcb x50
Misc Info : yl
Vial Number: 14



File : X:\DATA\SVOA03\2006\APR06\042006\013F0101.D
Operator : AJD
Acquired : 20 Apr 2006 04:04 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10170-05 pcb x5
Misc Info :
Vial Number: 13



File : X:\DATA\SVOA03\2006\APR06\041806\009F0101.D
Operator : AJD
Acquired : 18 Apr 2006 12:17 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10170-06 pcb x1
Misc Info :
Vial Number: 9



RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10170

Company Name: ES-M
Phone #: 508 285 9700
FAX #: 508 285-9957
Company Address: 184 West Main St Norton
Site Location (City, State): Hyde Park MA
Project Manager: Joe Callahan
Project ID / Name: 2006-056 / Lewis Chemical
Invoice To: ES-M
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
10170-01	PZ-03-S	4	X			2	1					4/10/06	1420	AF	G
02	PZ-01-D	3	X			2	1						1445	LM	G
03	PZ-01-S	3	X			2	1						1300	LM	G
04	PZ-02-S	4	X			2	1						1515	DS	G
05	PZ-02-D	4	X			2	1						1530	AF	G
06	PZ-03-D	4	X			2	1						1545	AF	G

ANALYSIS REQUEST

	VOC 8260-NH List	VOC 8260 (Full)	VOC 8260 BTEX, MBE, Naphthalene only	VOC 524.2	VOC 524.2 NH List	TPH Fingerprint	MEDRO	DRO 8015	EPH	8270 PAH	8270 ABN	625	8082 PCB	8081 Pesticides	608	O&G 1664	O&G SM5520F	pH	BOD	Conductivity	TSS	TDS	TS	RCRA Metals	Priority Pollutant Metals	TAL Metals	Total Metals-list & Dissolved Metals-list Lead	Ammonia	COD	T-Phosphate	Phenol	Cyanide	Sulfide	Nitrate	Nitrite	Ortho P	Sulfate	Bromide	Chloride	Corrosivity	Reactive CN	Reactive S-	Ignitability/FP	TCLP Metals	TCLP VOC	TCLP SVOC	TCLP Pesticide	TCLP Herbicides (subcontract)	Standard Drinking Water Test	Bacteria P/A
10170-01		X											Y														X																								
02		X											Y														X																								
03		X											Y														X																								
04		X											Y														X																								
05		X											Y														X																								
06		X											Y														X																								

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☒
Other ☐

E-Mail Address
Quote #
PO #

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 5 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Relinquished by:	Relinquished by:
Date	4/10/06		
Time	1145		

	Received by:	Received by:	Received by Laboratory:
Date	4/11/06		Way Bill#:
Time	1145		

RL Resource Laboratories, LLC

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 10171
Date Received: 4/11/06

Project: 2006-056 Lewis Chemical

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

4-27-06
Date

Total number of pages 50

Resource Laboratories, LLC Certifications

New Hampshire	NH902	Connecticut	PH-0146
Maine	NH903	Massachusetts	M-NH902

124 Heritage Avenue #10 Portsmouth NH 03801
Voice: 603-436-2001 Fax: 603-430-2100
www.reslabs.com

Lab Number:	10171-09
Sample Designation:	ESM-10
Date Sampled:	4/10/06
Date Received:	4/11/06
Date Analyzed:	4/19/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Instrument Dilution Factor	20
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	12000	2000
Unadjusted C9-C12 Aliphatics (1)	N/A	23000	2000
methyl-t-butyl ether (MTBE)	C5-C8	U	40
benzene	C5-C8	U	20
toluene	C5-C8	1900	40
ethylbenzene	C9-C12	8300	40
m&p-xylenes	C9-C12	12000	40
o-xylene	C9-C12	1900	40
naphthalene	N/A	U	100
C5-C8 Aliphatics (1,2)	N/A	10000	2000
C9-C12 Aliphatics (1,3)	N/A	U	2000
C9-C10 Aromatics (1)	N/A	U	2000
Surrogate Recovery			
2,5-dibromotoluene as aromatic		101%	
2,5-dibromotoluene as aliphatic		105%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number:	10171-01
Sample Designation:	ESM-04
Date Sampled:	4/10/06
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	10
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	20	trans-1,3-dichloropropene	U	20
chloromethane	U	20	2-hexanone	U	100
vinyl chloride	25	20	1,1,2-trichloroethane	U	20
bromomethane	U	20	1,3-dichloropropane	U	20
chloroethane	U	20	tetrachloroethene	U	20
trichlorofluoromethane	U	20	dibromochloromethane	U	20
diethyl ether	U	100	1,2-dibromoethane	U	20
acetone	U	100	chlorobenzene	U	20
1,1-dichloroethene	U	10	1,1,1,2-tetrachloroethane	U	20
methylene chloride	U	50	ethylbenzene	U	20
carbon disulfide	U	20	m&p-xylenes	U	20
methyl t-butyl ether (MTBE)	U	20	o-xylene	U	20
trans-1,2-dichloroethene	53	20	styrene	U	20
isopropyl ether (DIPE)	U	20	bromoform	U	20
ethyl t-butyl ether (ETBE)	U	20	isopropylbenzene	U	20
1,1-dichloroethane	500	20	1,1,2,2-tetrachloroethane	U	20
t-butanol (TBA)	U	500	1,2,3-trichloropropane	U	20
2-butanone (MEK)	U	100	n-propylbenzene	U	20
2,2-dichloropropane	U	20	bromobenzene	U	20
cis-1,2-dichloroethene	2700	20	1,3,5-trimethylbenzene	U	20
chloroform	U	20	2-chlorotoluene	U	20
bromochloromethane	U	20	4-chlorotoluene	U	20
tetrahydrofuran (THF)	U	100	tert-butylbenzene	U	20
1,1,1-trichloroethane	900	20	1,2,4-trimethylbenzene	U	20
1,1-dichloropropene	U	20	sec-butylbenzene	U	20
t-amyl-methyl ether (TAME)	U	20	1,3-dichlorobenzene	U	20
carbon tetrachloride	U	20	4-isopropyltoluene	U	20
1,2-dichloroethane	U	20	1,4-dichlorobenzene	U	20
benzene	U	20	1,2-dichlorobenzene	U	20
trichloroethene	U	20	n-butylbenzene	U	20
1,2-dichloropropane	U	20	1,2-dibromo-3-chloropropane	U	20
bromodichloromethane	U	20	1,2,4-trichlorobenzene	U	20
dibromomethane	U	20	hexachlorobutadiene	U	20
4-methyl-2-pentanone (MIBK)	U	100	naphthalene	U	50
cis-1,3-dichloropropene	U	20	1,2,3-trichlorobenzene	U	20
toluene	U	20	1,4-dioxane	U	500

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	96	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	99	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-02
Sample Designation:	ESM-09
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	50
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chloromethane	U	100	2-hexanone	U	500
vinyl chloride	1700	100	1,1,2-trichloroethane	U	100
bromomethane	U	100	1,3-dichloropropane	U	100
chloroethane	U	100	tetrachloroethene	U	100
trichlorofluoromethane	U	100	dibromochloromethane	U	100
diethyl ether	U	500	1,2-dibromoethane	U	100
acetone	U	500	chlorobenzene	U	100
1,1-dichloroethene	470	50	1,1,1,2-tetrachloroethane	U	100
methylene chloride	U	300	ethylbenzene	140	100
carbon disulfide	U	100	m&p-xylenes	270	100
methyl t-butyl ether (MTBE)	U	100	o-xylene	U	100
trans-1,2-dichloroethene	240	100	styrene	U	100
isopropyl ether (DIPE)	U	100	bromoform	U	100
ethyl t-butyl ether (ETBE)	U	100	isopropylbenzene	U	100
1,1-dichloroethane	3500	100	1,1,2,2-tetrachloroethane	U	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	U	100
2-butanone (MEK)	U	500	n-propylbenzene	U	100
2,2-dichloropropane	U	100	bromobenzene	U	100
cis-1,2-dichloroethene	26000	100	1,3,5-trimethylbenzene	U	100
chloroform	U	100	2-chlorotoluene	U	100
bromochloromethane	U	100	4-chlorotoluene	U	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	U	100
1,1,1-trichloroethane	35000	100	1,2,4-trimethylbenzene	U	100
1,1-dichloropropene	U	100	sec-butylbenzene	U	100
t-amyl-methyl ether (TAME)	U	100	1,3-dichlorobenzene	U	100
carbon tetrachloride	U	100	4-isopropyltoluene	U	100
1,2-dichloroethane	290	100	1,4-dichlorobenzene	U	100
benzene	U	100	1,2-dichlorobenzene	U	100
trichloroethene	U	100	n-butylbenzene	U	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	U	100
bromodichloromethane	U	100	1,2,4-trichlorobenzene	U	100
dibromomethane	U	100	hexachlorobutadiene	U	100
4-methyl-2-pentanone (MIBK)	U	500	naphthalene	U	300
cis-1,3-dichloropropene	U	100	1,2,3-trichlorobenzene	U	100
toluene	5900	100	1,4-dioxane	U	3000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	100	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-03
Sample Designation:	DUP-2
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	50
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chloromethane	U	100	2-hexanone	U	500
vinyl chloride	1600	100	1,1,2-trichloroethane	U	100
bromomethane	U	100	1,3-dichloropropane	U	100
chloroethane	U	100	tetrachloroethene	U	100
trichlorofluoromethane	U	100	dibromochloromethane	U	100
diethyl ether	U	500	1,2-dibromoethane	U	100
acetone	U	500	chlorobenzene	U	100
1,1-dichloroethene	480	50	1,1,1,2-tetrachloroethane	U	100
methylene chloride	U	300	ethylbenzene	140	100
carbon disulfide	U	100	m&p-xylenes	270	100
methyl t-butyl ether (MTBE)	U	100	o-xylene	U	100
trans-1,2-dichloroethene	230	100	styrene	U	100
isopropyl ether (DIPE)	U	100	bromoform	U	100
ethyl t-butyl ether (ETBE)	U	100	isopropylbenzene	U	100
1,1-dichloroethane	3400	100	1,1,2,2-tetrachloroethane	U	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	U	100
2-butanone (MEK)	U	500	n-propylbenzene	U	100
2,2-dichloropropane	U	100	bromobenzene	U	100
cis-1,2-dichloroethene	25000	100	1,3,5-trimethylbenzene	U	100
chloroform	U	100	2-chlorotoluene	U	100
bromochloromethane	U	100	4-chlorotoluene	U	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	U	100
1,1,1-trichloroethane	34000	100	1,2,4-trimethylbenzene	U	100
1,1-dichloropropene	U	100	sec-butylbenzene	U	100
t-amyl-methyl ether (TAME)	U	100	1,3-dichlorobenzene	U	100
carbon tetrachloride	U	100	4-isopropyltoluene	U	100
1,2-dichloroethane	290	100	1,4-dichlorobenzene	U	100
benzene	U	100	1,2-dichlorobenzene	U	100
trichloroethene	U	100	n-butylbenzene	U	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	U	100
bromodichloromethane	U	100	1,2,4-trichlorobenzene	U	100
dibromomethane	U	100	hexachlorobutadiene	U	100
4-methyl-2-pentanone (MIBK)	U	500	naphthalene	U	300
cis-1,3-dichloropropene	U	100	1,2,3-trichlorobenzene	U	100
toluene	5800	100	1,4-dioxane	U	3000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	95	78-114
toluene-D8	105	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-04
Sample Designation:	ESM-05
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	200
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	U	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	490	400	1,1,2-trichloroethane	U	400
bromomethane	U	400	1,3-dichloropropane	U	400
chloroethane	U	400	tetrachloroethene	21000	400
trichlorofluoromethane	U	400	dibromochloromethane	U	400
diethyl ether	U	2000	1,2-dibromoethane	U	400
acetone	U	2000	chlorobenzene	2300	400
1,1-dichloroethene	2800	200	1,1,1,2-tetrachloroethane	U	400
methylene chloride	1300	1000	ethylbenzene	U	400
carbon disulfide	U	400	m&p-xylenes	610	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	U	400
trans-1,2-dichloroethene	460	400	styrene	U	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	4900	400	1,1,2,2-tetrachloroethane	U	400
t-butanol (TBA)	U	10000	1,2,3-trichloropropane	U	400
2-butanone (MEK)	U	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	110000	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	U	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	U	400
1,1,1-trichloroethane	280000 D	4000	1,2,4-trimethylbenzene	U	400
1,1-dichloropropene	U	400	sec-butylbenzene	U	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	U	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	1300	400	1,4-dichlorobenzene	U	400
benzene	U	400	1,2-dichlorobenzene	U	400
trichloroethene	360000 D	4000	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	U	400
bromodichloromethane	U	400	1,2,4-trichlorobenzene	U	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	U	1000
cis-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	U	400
toluene	38000	400	1,4-dioxane	U	10000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	101	78-114
toluene-D8	107	88-110
4-bromofluorobenzene	100	86-115

D = Result provided from a re-analysis at a dilution.
U = Below quantitation limit

Lab Number:	10171-05
Sample Designation:	ESM-05B
Date Sampled:	4/10/06
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	10
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	20	trans-1,3-dichloropropene	U	20
chloromethane	U	20	2-hexanone	U	100
vinyl chloride	U	20	1,1,2-trichloroethane	U	20
bromomethane	U	20	1,3-dichloropropane	U	20
chloroethane	U	20	tetrachloroethene	2700	20
trichlorofluoromethane	U	20	dibromochloromethane	U	20
diethyl ether	U	100	1,2-dibromoethane	U	20
acetone	U	100	chlorobenzene	U	20
1,1-dichloroethene	320	10	1,1,1,2-tetrachloroethane	U	20
methylene chloride	1200	50	ethylbenzene	32	20
carbon disulfide	U	20	m&p-xylenes	U	20
methyl t-butyl ether (MTBE)	U	20	o-xylene	30	20
trans-1,2-dichloroethene	U	20	styrene	U	20
isopropyl ether (DIPE)	U	20	bromoform	U	20
ethyl t-butyl ether (ETBE)	U	20	isopropylbenzene	U	20
1,1-dichloroethane	180	20	1,1,2,2-tetrachloroethane	U	20
t-butanol (TBA)	U	500	1,2,3-trichloropropane	U	20
2-butanone (MEK)	U	100	n-propylbenzene	U	20
2,2-dichloropropane	U	20	bromobenzene	U	20
cis-1,2-dichloroethene	62	20	1,3,5-trimethylbenzene	U	20
chloroform	U	20	2-chlorotoluene	U	20
bromochloromethane	U	20	4-chlorotoluene	U	20
tetrahydrofuran (THF)	U	100	tert-butylbenzene	U	20
1,1,1-trichloroethane	6300	20	1,2,4-trimethylbenzene	U	20
1,1-dichloropropene	U	20	sec-butylbenzene	U	20
t-amyl-methyl ether (TAME)	U	20	1,3-dichlorobenzene	U	20
carbon tetrachloride	U	20	4-isopropyltoluene	U	20
1,2-dichloroethane	120	20	1,4-dichlorobenzene	U	20
benzene	U	20	1,2-dichlorobenzene	93	20
trichloroethene	7100	20	n-butylbenzene	U	20
1,2-dichloropropane	U	20	1,2-dibromo-3-chloropropane	U	20
bromodichloromethane	U	20	1,2,4-trichlorobenzene	U	20
dibromomethane	U	20	hexachlorobutadiene	U	20
4-methyl-2-pentanone (MIBK)	U	100	naphthalene	U	50
cis-1,3-dichloropropene	U	20	1,2,3-trichlorobenzene	U	20
toluene	430	20	1,4-dioxane	U	500

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	102	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-06
Sample Designation:	ESM-06
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	U	40
chloromethane	U	40	2-hexanone	U	200
vinyl chloride	U	40	1,1,2-trichloroethane	U	40
bromomethane	U	40	1,3-dichloropropane	U	40
chloroethane	U	40	tetrachloroethene	1600	40
trichlorofluoromethane	U	40	dibromochloromethane	U	40
diethyl ether	U	200	1,2-dibromoethane	U	40
acetone	U	200	chlorobenzene	U	40
1,1-dichloroethene	140	20	1,1,1,2-tetrachloroethane	U	40
methylene chloride	U	100	ethylbenzene	U	40
carbon disulfide	U	40	m&p-xylenes	U	40
methyl t-butyl ether (MTBE)	U	40	o-xylene	U	40
trans-1,2-dichloroethene	43	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	isopropylbenzene	U	40
1,1-dichloroethane	280	40	1,1,2,2-tetrachloroethane	U	40
t-butanol (TBA)	U	1000	1,2,3-trichloropropane	U	40
2-butanone (MEK)	U	200	n-propylbenzene	U	40
2,2-dichloropropane	U	40	bromobenzene	U	40
cis-1,2-dichloroethene	8800	40	1,3,5-trimethylbenzene	U	40
chloroform	U	40	2-chlorotoluene	U	40
bromochloromethane	U	40	4-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	U	40
1,1,1-trichloroethane	11000	40	1,2,4-trimethylbenzene	U	40
1,1-dichloropropene	U	40	sec-butylbenzene	U	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U	40
carbon tetrachloride	U	40	4-isopropyltoluene	U	40
1,2-dichloroethane	U	40	1,4-dichlorobenzene	U	40
benzene	U	40	1,2-dichlorobenzene	U	40
trichloroethene	11000	40	n-butylbenzene	U	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	U	40
dibromomethane	U	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	U	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
toluene	110	40	1,4-dioxane	U	1000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	95	78-114
toluene-D8	102	88-110
4-bromofluorobenzene	101	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-07
Sample Designation:	ESM-15
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	50
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chloromethane	U	100	2-hexanone	U	500
vinyl chloride	920	100	1,1,2-trichloroethane	130	100
bromomethane	U	100	1,3-dichloropropane	U	100
chloroethane	U	100	tetrachloroethene	11000	100
trichlorofluoromethane	U	100	dibromochloromethane	U	100
diethyl ether	U	500	1,2-dibromoethane	U	100
acetone	U	500	chlorobenzene	U	100
1,1-dichloroethene	920	50	1,1,1,2-tetrachloroethane	U	100
methylene chloride	2100	300	ethylbenzene	460	100
carbon disulfide	U	100	m&p-xylenes	1300	100
methyl t-butyl ether (MTBE)	U	100	o-xylene	450	100
trans-1,2-dichloroethene	210	100	styrene	U	100
isopropyl ether (DIPE)	U	100	bromoform	U	100
ethyl t-butyl ether (ETBE)	U	100	isopropylbenzene	U	100
1,1-dichloroethane	2600	100	1,1,2,2-tetrachloroethane	U	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	U	100
2-butanone (MEK)	U	500	n-propylbenzene	U	100
2,2-dichloropropane	U	100	bromobenzene	U	100
cis-1,2-dichloroethene	27000	100	1,3,5-trimethylbenzene	U	100
chloroform	U	100	2-chlorotoluene	U	100
bromochloromethane	U	100	4-chlorotoluene	U	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	U	100
1,1,1-trichloroethane	66000 D	1000	1,2,4-trimethylbenzene	U	100
1,1-dichloropropene	U	100	sec-butylbenzene	U	100
t-amyl-methyl ether (TAME)	U	100	1,3-dichlorobenzene	U	100
carbon tetrachloride	U	100	4-isopropyltoluene	U	100
1,2-dichloroethane	2900	100	1,4-dichlorobenzene	U	100
benzene	U	100	1,2-dichlorobenzene	U	100
trichloroethene	93000 D	1000	n-butylbenzene	U	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	U	100
bromodichloromethane	U	100	1,2,4-trichlorobenzene	U	100
dibromomethane	U	100	hexachlorobutadiene	U	100
4-methyl-2-pentanone (MIBK)	U	500	naphthalene	U	300
cis-1,3-dichloropropene	U	100	1,2,3-trichlorobenzene	U	100
toluene	9900	100	1,4-dioxane	U	3000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	98	78-114
toluene-D8	103	88-110
4-bromofluorobenzene	107	86-115

D = Result provided from a re-analysis at a dilution.
U = Below quantitation limit

Lab Number:	10171-08
Sample Designation:	ESM-07
Date Sampled:	4/10/06
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	16	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	37	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	3	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	58	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	110	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	63	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	90	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	97	78-114
toluene-D8	106	88-110
4-bromofluorobenzene	98	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-09
Sample Designation:	ESM-10
Date Sampled:	4/10/06
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	20
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	U	40
chloromethane	U	40	2-hexanone	U	200
vinyl chloride	120	40	1,1,2-trichloroethane	U	40
bromomethane	U	40	1,3-dichloropropane	U	40
chloroethane	U	40	tetrachloroethene	180	40
trichlorofluoromethane	U	40	dibromochloromethane	U	40
diethyl ether	U	200	1,2-dibromoethane	U	40
acetone	U	200	chlorobenzene	U	40
1,1-dichloroethene	U	20	1,1,1,2-tetrachloroethane	U	40
methylene chloride	410	100	ethylbenzene	11000	40
carbon disulfide	U	40	m&p-xylenes	17000	40
methyl t-butyl ether (MTBE)	U	40	o-xylene	2300	40
trans-1,2-dichloroethene	U	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	isopropylbenzene	U	40
1,1-dichloroethane	91	40	1,1,2,2-tetrachloroethane	U	40
t-butanol (TBA)	U	1000	1,2,3-trichloropropane	U	40
2-butanone (MEK)	U	200	n-propylbenzene	U	40
2,2-dichloropropane	U	40	bromobenzene	U	40
cis-1,2-dichloroethene	610	40	1,3,5-trimethylbenzene	U	40
chloroform	U	40	2-chlorotoluene	U	40
bromochloromethane	U	40	4-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	U	40
1,1,1-trichloroethane	U	40	1,2,4-trimethylbenzene	U	40
1,1-dichloropropene	U	40	sec-butylbenzene	U	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U	40
carbon tetrachloride	U	40	4-isopropyltoluene	620	40
1,2-dichloroethane	U	40	1,4-dichlorobenzene	U	40
benzene	U	40	1,2-dichlorobenzene	U	40
trichloroethene	120	40	n-butylbenzene	U	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	U	40
dibromomethane	U	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	U	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	U	40
toluene	2100	40	1,4-dioxane	U	1000

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	105	88-110
4-bromofluorobenzene	106	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-10
Sample Designation:	Trip Blank
Date Sampled:	4/10/06
Date Analyzed:	4/17/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	92	78-114
toluene-D8	104	88-110
4-bromofluorobenzene	102	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-09
Sample Designation:	ESM-10
Date Sampled:	4/10/06
Date Received:	4/11/06
Date Extracted:	4/19/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	pH ≤ 2
Temperature:	Received on Ice at 4±2°C
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1
Method for Target Analytes: EPA 8270C

	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	3.1	0.5	4/20/06
2-methylnaphthalene	U	0.5	4/20/06
phenanthrene	U	0.5	4/20/06
acenaphthene	U	0.5	4/20/06
Other PAH Analytes:			
acenaphthylene	U	0.5	4/20/06
fluorene	U	0.5	4/20/06
anthracene	U	0.5	4/20/06
fluoranthene	U	0.5	4/20/06
pyrene	U	0.5	4/20/06
benzo(a)anthracene	U	0.5	4/20/06
chrysene	U	0.5	4/20/06
benzo(b)fluoranthene	U	0.5	4/20/06
benzo(k)fluoranthene	U	0.5	4/20/06
benzo(a)pyrene	U	0.2	4/20/06
indeno(1,2,3-cd)pyrene	U	0.5	4/20/06
dibenzo(a,h)anthracene	U	0.5	4/20/06
benzo(g,h,i)perylene	U	0.5	4/20/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	200	4/20/06
C9-C18 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)	U	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	200	4/20/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	37% #		
o-terphenyl	49%		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	82%		
2-bromonaphthalene	79%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit
# = Surrogate below acceptance criteria. Matrix interference suspected.

Lab Number:	10171-01
Sample Designation:	ESM-04
Date Sampled:	4/10/06
Date Extracted:	4/13/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS

SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	44	30-150
Decachlorobiphenyl	64	30-150

U = Below quantitation limit

Lab Number:	10171-02
Sample Designation:	ESM-09
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	78	30-150
Decachlorobiphenyl	91	30-150

U = Below quantitation limit

Lab Number:	10171-04
Sample Designation:	ESM-05
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/19/06
Matrix:	Water
Dilution Factor:	20
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	6
PCB-1242	26	6
PCB-1221	U	6
PCB-1232	U	6
PCB-1248	U	6
PCB-1254	U	6
PCB-1260	U	6
PCB-1262	U	6
PCB-1268	U	6

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	36	30-150
Decachlorobiphenyl	132	30-150

U = Below quantitation limit

Lab Number:	10171-05
Sample Designation:	ESM-05B
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	68	30-150
Decachlorobiphenyl	96	30-150

U = Below quantitation limit

Lab Number:	10171-06
Sample Designation:	ESM-06
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/19/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	3.5	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	80	30-150
Decachlorobiphenyl	94	30-150

U = Below quantitation limit

Lab Number:	10171-07
Sample Designation:	ESM-15
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	69	30-150
Decachlorobiphenyl	94	30-150

Note: Non-aroclor like peaks were observed in this sample.
U = Below quantitation limit

Lab Number:	10171-08
Sample Designation:	ESM-07
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	83	30-150
Decachlorobiphenyl	96	30-150

U = Below quantitation limit

Lab Number:	10171-09
Sample Designation:	ESM-10
Date Sampled:	4/10/06
Date Extracted:	4/14/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	61	30-150
Decachlorobiphenyl	78	30-150

Note: A non-aroclor like compound was observed in this sample.
U = Below quantitation limit

Project ID: DND Lewis 2006-056
Lab ID: 10171

Lab Number: 10171-004
Sample ID: ESM-05
Matrix: Water
Sampled: 4/10/06 9:30

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B
Barium	0.18	0.05	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	4/12/06	4/12/06	N/A	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	N/A	4/13/06	15:24	SW3005A6010B

Lab Number: 10171-005
Sample ID: ESM-05B
Matrix: Water
Sampled: 4/10/06 10:00

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B
Barium	0.22	0.05	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B
Chromium	< 0.05	0.05	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B
Lead	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B
Mercury	< 0.0009	0.0009	mg/L	1	BJS	4/12/06	4/12/06	N/A	SW7470A
Selenium	< 0.05	0.05	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B
Silver	< 0.007	0.007	mg/L	1	BJS	N/A	4/13/06	15:40	SW3005A6010B

Quality Control Report

Case Narrative
Lab # 10171

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 4 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration
VOC: The continuing calibration verification for naphthalene did not meet acceptance criteria (69%). Samples 10171-02,03,04,06,07, and 09 were analyzed in this window. All calibration check compounds (CCC) met acceptance criteria. No further action required.

Method Blank
No exceptions noted.

Surrogate Recoveries
EPH: The following sample had a surrogate that did not meet the acceptance criteria: 10171-09. All other batch QC had acceptable recoveries. It is suspected that this may have been caused by matrix interference. The samples could not be re-extracted due to insufficient sample volume.

Laboratory Control Sample Results
VOC 8260: LCS 10171-51 did not meet acceptance criteria for dichlorodifluoromethane and acetone.
VOC 8260: LCS 10171-53 did not meet the acceptance limits for 2,2 dichloropropane, bromomethane , styrene and dichlorodifluoromethane. The RPD for styrene did not meet the acceptance criteria.

These compounds noted with failures are known to be problematic in the method.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.
Other
EPH: The fractionation check sample (LCS) for the batch of silica gel in use for these samples met the method acceptance criteria.

VPH Target compounds and ranges were determined by GC/MS. Ranges were determined in a similar manner as described in the MADEP APH method of 2/2000.

(continued)

PCB: The sample peaks most closely resembled Aroclor 1242, however there was also a similarity to Aroclor 1248. Possibly due to weathering, the Aroclor identification is difficult and not absolute. Chromatograms are provided. Samples that contained non-aroclor peaks have been noted on the report pages. Quantification is quadratic.

VOC: The following compounds were quantified using quadratic fit: Dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, acetone, dibromochloromethane, isopropylbenzene, tert-butyl benzene, and hexachlorobutadiene.

Dilutions performed during the analysis are noted on the result pages.

Metals: RCRA metals only were requested by the customer.

No other exceptions noted.

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MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC				Lab # 10171	
Project Location Hyde Park		Project #		MADEP RTN (if available)	
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 (x)	Cyanide ( )	Other ( )
	8270 ( )	VPH (x)	7470/7471 (x)	Other ( )	Other ( )
	8082 (x)	EPH (x)	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No (x)
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes ( ) No (x)

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Lab Director

Printed Name: Susan C. Sylvester Date: 4-27-06

Lab Number:	10171-50
Sample Designation:	Method blank 041806A
Date Sampled:	N/A
Date Analyzed:	4/18/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	94	78-114
toluene-D8	107	88-110
4-bromofluorobenzene	98	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 10171-51
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: X:\DATA\VOA03\2006\APR06\041806\V3041822.D
Date Analyzed: 4/18/06
SW 846 Method 5030B/8260B

	LCS			LCSD		RPD
Compound	Amount Found	% Recovery		Amount Found	% Recovery	
dichlorodifluoromethane	14	70%	*	14	72%	3%
chloromethane	16	80%		18	88%	9%
vinyl chloride	17	86%		18	92%	7%
bromomethane	16	82%		18	88%	7%
chloroethane	17	86%		18	91%	5%
trichlorofluoromethane	18	90%		19	97%	7%
diethylether	18	92%		18	91%	1%
acetone	13	67%	*	14	72%	7%
1,1-dichloroethene	17	86%		19	95%	10%
methylene chloride	19	97%		19	97%	0%
carbon disulfide	18	90%		19	94%	4%
methyl-t-butyl ether (MTBE)	35	89%		36	90%	1%
trans-1,2-dichloroethene	18	91%		20	98%	7%
isopropyl ether (DIPE)	18	92%		19	97%	5%
ethyl-t-butyl ether (ETBE)	18	91%		19	96%	6%
1,1-dichloroethane	17	86%		18	92%	7%
t-bulanol (TBA)	74	74%		78	78%	6%
2-butanone (MEK)	17	83%		16	81%	3%
2,2-dichloropropane	17	83%		18	89%	7%
cis-1,2-dichloroethene	20	101%		21	107%	7%
chloroform	19	95%		20	102%	7%
bromochloromethane	21	104%		21	107%	3%
tetrahydrofuran (THF)	17	85%		18	88%	4%
1,1,1-trichloroethane	17	87%		19	96%	9%
1,1-dichloropropene	19	95%		20	102%	7%
t-amyl-methyl ether (TAME)	19	94%		19	96%	3%
carbon tetrachloride	17	83%		18	90%	8%
1,2-dichloroethane	18	88%		18	90%	2%
benzene	20	100%		21	106%	5%
trichloroethene	20	101%		21	107%	6%
1,2-dichloropropane	20	99%		21	104%	5%
bromodichloromethane	17	84%		18	89%	6%
dibromomethane	20	101%		21	105%	4%
4-methyl-2-pentanone (MIBK)	19	95%		19	97%	2%
cis-1,3-dichloropropene	20	98%		20	102%	4%
toluene	21	105%		22	110%	5%
trans-1,3-dichloropropene	17	85%		18	90%	6%
2-hexanone	17	84%		18	89%	6%
1,1,2-trichloroethane	20	102%		21	106%	4%
1,3-dichloropropane	21	105%		22	108%	3%
tetrachloroethene	22	111%		24	120%	8%
dibromochloromethane	20	99%		20	100%	2%
1,2-dibromoethane (EDB)	21	106%		21	106%	1%
chlorobenzene	21	107%		22	112%	4%
1,1,1,2-tetrachloroethane	20	102%		21	107%	4%
ethylbenzene	21	106%		22	108%	2%
m&p-xylenes	44	109%		45	114%	4%
o-xylene	22	111%		23	116%	4%
styrene	21	106%		22	110%	4%
bromoform	20	102%		21	103%	1%
isopropylbenzene	22	112%		24	119%	6%
1,1,2,2-tetrachloroethane	18	92%		18	91%	2%
1,2,3-trichloropropane	18	88%		17	87%	1%
n-propylbenzene	21	103%		21	107%	4%
bromobenzene	21	103%		22	108%	5%
1,3,5-trimethylbenzene	19	97%		20	100%	2%
2-chlorotoluene	19	95%		20	99%	4%
4-chlorotoluene	19	97%		20	100%	4%
tert-butylbenzene	17	87%		18	89%	3%
1,2,4-trimethylbenzene	19	94%		20	100%	6%
sec-butylbenzene	19	97%		20	102%	6%
1,3-dichlorobenzene	20	100%		20	102%	2%
4-isopropyltoluene	21	104%		22	110%	6%
1,4-dichlorobenzene	19	96%		20	100%	4%
1,2-dichlorobenzene	20	102%		21	104%	2%
n-butylbenzene	20	100%		21	107%	7%
1,2-dibromo-3-chloropropane	17	83%		17	87%	5%
1,2,4-trichlorobenzene	18	90%		19	97%	8%
hexachlorobutadiene	19	97%		21	104%	7%
naphthalene	14	72%		16	78%	8%
1,2,3-trichlorobenzene	18	91%		19	98%	5%
1,4-dioxane	37	92%		33	82%	12%

SURROGATE STANDARDS

SS dibromofluoromethane	92%	99%
SS toluene-D8	105%	108%
SS 4-bromofluorobenzene	107%	101%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%
* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.

Lab Number:	10171-52
Sample Designation:	Method Blank 041906
Date Sampled:	N/A
Date Analyzed:	4/19/06
Matrix:	Water
Instrument Dilution Factor:	1
Analyst:	LMM

VOLATILE ORGANICS
SW 846 Method 5030B/8260B

	Concentration ug/L	Quantitation Limit ug/L		Concentration ug/L	Quantitation Limit ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	U	2
chloroethane	U	2	tetrachloroethene	U	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
trans-1,2-dichloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	U	2	n-butylbenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
dibromofluoromethane	93	78-114
toluene-D8	100	88-110
4-bromofluorobenzene	99	86-115

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 10171-53
Sample Designation: Lab Control Sample/Lab Control Sample Duplicate
File Name: X:\DATA\VOA03\2006\APR06\041806\V3041844.D
Date Analyzed: 4/19/06
SW 846 Method 5030B/8260B

	LCS			LCSD			RPD
Compound	Amount Found	% Recovery		Amount Found	% Recovery		
dichlorodifluoromethane	14	70%		13	66%	*	5%
chloromethane	17	84%		16	79%		6%
vinyl chloride	17	87%		17	85%		3%
bromomethane	11	54%	*	13	63%	*	15%
chloroethane	18	88%		17	84%		4%
trichlorofluoromethane	19	93%		18	88%		5%
diethylether	19	93%		19	94%		1%
acetone	18	88%		18	88%		1%
1,1-dichloroethene	17	87%		18	88%		1%
methylene chloride	20	99%		19	94%		5%
carbon disulfide	18	88%		17	84%		5%
methyl-t-butyl ether (MTBE)	38	95%		37	93%		3%
trans-1,2-dichloroethene	18	91%		18	90%		2%
isopropyl ether (DIPE)	19	95%		18	90%		5%
ethyl-t-butyl ether (ETBE)	19	97%		19	94%		4%
1,1-dichloroethane	18	91%		17	86%		5%
t-butanol (TBA)	90	90%		88	88%		3%
2-butanone (MEK)	19	93%		18	89%		4%
2,2-dichloropropane	13	67%	*	13	66%	*	2%
cis-1,2-dichloroethene	21	104%		20	99%		5%
chloroform	19	95%		19	98%		1%
bromochloromethane	21	106%		21	104%		2%
tetrahydrofuran (THF)	19	96%		19	95%		1%
1,1,1-trichloroethane	20	98%		18	91%		7%
1,1-dichloropropene	19	97%		19	96%		1%
t-amyl-methyl ether (TAME)	20	100%		19	94%		6%
carbon tetrachloride	17	87%		17	83%		4%
1,2-dichloroethane	18	88%		18	89%		2%
benzene	20	98%		20	99%		1%
trichloroethene	21	103%		20	101%		2%
1,2-dichloropropane	20	102%		20	100%		2%
bromodichloromethane	18	88%		17	87%		1%
dibromomethane	21	103%		21	104%		1%
4-methyl-2-pentanone (MIBK)	21	104%		20	100%		4%
cis-1,3-dichloropropene	18	92%		18	89%		3%
toluene	20	102%		21	103%		1%
trans-1,3-dichloropropene	17	85%		16	81%		4%
2-hexanone	16	82%		17	85%		4%
1,1,2-trichloroethane	21	106%		20	101%		5%
1,3-dichloropropane	20	102%		21	104%		3%
tetrachloroethene	22	108%		22	111%		3%
dibromochloromethane	19	96%		20	98%		2%
1,2-dibromoethane (EDB)	20	99%		21	104%		4%
chlorobenzene	20	98%		20	102%		4%
1,1,1,2-tetrachloroethane	20	99%		20	100%		2%
ethylbenzene	20	98%		20	100%		3%
m&p-xylenes	41	102%		43	106%		4%
o-xylene	20	102%		21	106%		4%
styrene	8	42%	#	14	72%		53% +
bromoform	19	97%		20	101%		3%
isopropylbenzene	21	104%		22	108%		4%
1,1,2,2-tetrachloroethane	18	90%		19	94%		4%
1,2,3-trichloropropane	18	88%		18	89%		1%
n-propylbenzene	19	93%		20	100%		7%
bromobenzene	19	96%		21	103%		7%
1,3,5-trimethylbenzene	17	87%		19	97%		10%
2-chlorotoluene	17	86%		19	94%		9%
4-chlorotoluene	18	88%		19	95%		8%
tert-butylbenzene	17	83%		17	87%		4%
1,2,4-trimethylbenzene	18	90%		19	97%		7%
sec-butylbenzene	18	91%		18	92%		0%
1,3-dichlorobenzene	19	94%		20	99%		5%
4-isopropyltoluene	19	94%		20	102%		8%
1,4-dichlorobenzene	18	92%		19	96%		5%
1,2-dichlorobenzene	19	96%		20	100%		4%
n-butylbenzene	19	95%		20	100%		5%
1,2-dibromo-3-chloropropane (	17	85%		19	94%		10%
1,2,4-trichlorobenzene	17	86%		19	94%		8%
hexachlorobutadiene	18	90%		19	95%		5%
naphthalene	15	74%		16	80%		8%
1,2,3-trichlorobenzene	18	91%		20	100%		9%
1,4-dioxane	35	89%		38	96%		8%

SURROGATE STANDARDS

SS dibromofluoromethane	99%	99%
SS toluene-D8	108%	108%
SS 4-bromofluorobenzene	107%	101%

Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

* Indicates compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits.
# = This analyte showed recovery outside the acceptance limits.
+ = The RPD was above the acceptance limit.

Lab Number:	10171-54
Sample Designation:	Method Blank 041806
Date Sampled:	N/A
Date Received:	N/A
Date Analyzed:	4/18/06
Matrix:	Water
Containers:	Satisfactory
Sample Preservation:	N/A
Temperature:	N/A
Instrument Dilution Factor	1
Analyst:	LMM

VPH ANALYTICAL RESULTS
MADEP VPH 2004-1.1

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1)	N/A	U	100
Unadjusted C9-C12 Aliphatics (1)	N/A	U	100
methyl-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	U	1
toluene	C5-C8	U	2
ethylbenzene	C9-C12	U	2
m&p-xylenes	C9-C12	U	2
o-xylene	C9-C12	U	2
naphthalene	N/A	U	5
C5-C8 Aliphatics (1,2)	N/A	U	100
C9-C12 Aliphatics (1,3)	N/A	U	100
C9-C10 Aromatics (1)	N/A	U	100
Surrogate Recovery			
2,5-dibromotoluene as aromatic		92%	
2,5-dibromotoluene as aliphatic		93%	
Surrogate Acceptance Range		70-130%	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range.
3 C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons.
U = Below quantitation limit

Lab Number: 10171-55
Sample Designation: LCS/LCSD
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 4/19/06
Matrix: Water
Dilution Factor 1
Analyst: LMM

VOLATILE ORGANICS MS/MSD LCS/LCSD Report
MADEP VPH 2004-1.1

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MS/LCS Concentration (ug/L)	% Recovery	QC Lower Limit	QC Upper Limit
methyl-t-butyl ether (MTBE)	150		138	92%	70%	130%
benzene	50		47	93%	70%	130%
toluene	150		133	89%	70%	130%
ethylbenzene	50		45	89%	70%	130%
m&p-xylenes	200		186	93%	70%	130%
o-xylene	100		89	89%	70%	130%
naphthalene	100		91	91%	70%	130%
C5-C8 Aliphatics	750		638	85%	70%	130%
C9-C12 Aliphatics	550		445	81%	70%	130%
C9-C10 Aromatics	100		94	94%	70%	130%
2,5-dibromotoluene as aromatic				101%	70%	130%
2,5-dibromotoluene as aliphatic				102%	70%	130%

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MSD/LCSD Concentration (ug/L)	% Recovery	QC Lower Limit	QC Upper Limit	RPD	RPD Limit
methyl-t-butyl ether (MTBE)	150		140	93%	70%	130%	1%	20
benzene	50		47	94%	70%	130%	1%	20
toluene	150		137	92%	70%	130%	3%	20
ethylbenzene	50		47	93%	70%	130%	4%	20
m&p-xylenes	200		191	96%	70%	130%	3%	20
o-xylene	100		93	93%	70%	130%	4%	20
naphthalene	100		92	92%	70%	130%	2%	20
C5-C8 Aliphatics	750		653	87%	70%	130%	2%	20
C9-C12 Aliphatics	550		459	84%	70%	130%	3%	20
C9-C10 Aromatics	100		101	101%	70%	130%	7%	20
2,5-dibromotoluene as aromatic				101%	70%	130%	0%	20
2,5-dibromotoluene as aliphatic				104%	70%	130%	1%	20

Lab Number:	10171-50
Sample Designation:	Preparation Blank 181 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/18/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C	Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:			
naphthalene	U	0.5	4/18/06
2-methylnaphthalene	U	0.5	4/18/06
phenanthrene	U	0.5	4/18/06
acenaphthene	U	0.5	4/18/06
Other PAH Analytes:			
acenaphthylene	U	0.5	4/18/06
fluorene	U	0.5	4/18/06
anthracene	U	0.5	4/18/06
fluoranthene	U	0.5	4/18/06
pyrene	U	0.5	4/18/06
benzo(a)anthracene	U	0.5	4/18/06
chrysene	U	0.5	4/18/06
benzo(b)fluoranthene	U	0.5	4/18/06
benzo(k)fluoranthene	U	0.5	4/18/06
benzo(a)pyrene	U	0.2	4/18/06
indeno(1,2,3-cd)pyrene	U	0.5	4/18/06
dibenzo(a,h)anthracene	U	0.5	4/18/06
benzo(g,h,i)perylene	U	0.5	4/18/06
Ranges:			
Unadjusted C11-C22 Aromatics (1)	U	200	4/19/06
C9-C18 Aliphatic Hydrocarbons (1)	U	200	4/19/06
C19-C36 Aliphatic Hydrocarbons (1)	U	200	4/19/06
C11-C22 Aromatic Hydrocarbons (1,2)	U	200	4/19/06
Extraction Surrogate Recoveries:			
1-chloro-octadecane	46%		
o-terphenyl	53%		
Fractionation Surrogate Recoveries:			
2-fluorobiphenyl	98%		
2-bromonaphthalene	90%		
Surrogate Acceptance Range	40-140%		

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit

Lab Number:	10171-51
Sample Designation:	Lab Control Sample/Duplicate 181 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/18/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 2004-1.1 Method for Target Analytes: EPA 8270C	Amount Added ug/L	Amount Found in LCS ug/L	LCS Recovery (%)	Amount Found in LCSD ug/L	LCSD Recovery (%)	RPD (%)	Acceptance Criteria (%)	Date of Analysis
Diesel PAH Analytes:								
naphthalene	60	32.97	55%	29.46	49%	-11%	<25%	4/19/06
2-methylnaphthalene	60	34.12	57%	29.66	49%	-14%	<25%	4/19/06
phenanthrene	60	42.98	72%	38.40	64%	-11%	<25%	4/19/06
acenaphthene	60	41.06	68%	36.16	60%	-13%	<25%	4/19/06
Other PAH Analytes:								
acenaphthylene	60	38.41	64%	33.49	56%	-14%	<25%	4/19/06
fluorene	60	40.28	67%	35.86	60%	-12%	<25%	4/19/06
anthracene	60	45.02	75%	40.95	68%	-9%	<25%	4/19/06
fluoranthene	60	48.34	81%	42.15	70%	-14%	<25%	4/19/06
pyrene	60	45.14	75%	40.17	67%	-12%	<25%	4/19/06
benzo(a)anthracene	60	47.06	78%	41.83	70%	-12%	<25%	4/19/06
chrysene	60	48.65	81%	42.52	71%	-13%	<25%	4/19/06
benzo(b)fluoranthene	60	38.30	64%	36.83	61%	-4%	<25%	4/19/06
benzo(k)fluoranthene	60	59.95	100%	47.64	79%	-23%	<25%	4/19/06
benzo(a)pyrene	60	51.65	86%	45.99	77%	-12%	<25%	4/19/06
indeno(1,2,3-cd)pyrene	60	49.36	82%	43.65	73%	-12%	<25%	4/19/06
dibenzo(a,h)anthracene	60	49.35	82%	43.30	72%	-13%	<25%	4/19/06
benzo(g,h,i)perylene	60	49.46	82%	43.35	72%	-13%	<25%	4/19/06
Ranges:								
Unadjusted C11-C22 Aromatics (1)	1020	685.66	67%	689.84	68%	1%	<25%	4/19/06
C9-C18 Aliphatic Hydrocarbons (1)	360	261.88	73%	233.25	65%	-12%	<25%	4/19/06
C19-C36 Aliphatic Hydrocarbons (1)	480	510.83	106%	456.23	95%	-11%	<25%	4/19/06
C11-C22 Aromatic Hydrocarbons (1,2)								4/19/06
Extraction Surrogate Recoveries:								
1-chloro-octadecane		46%		42%				
o-terphenyl		59%		57%				
Fractionation Surrogate Recoveries:								
2-fluorobiphenyl		102%		87%				
2-bromonaphthalene		92%		81%				
Acceptance Range		40-140%	40-140%	40-140%	40-140%			

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
2 C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH Analytes.
U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number:	10171-52
Sample Designation:	LCS 181 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/18/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

NAPHTHALENE BREAKTHROUGH CALCULATION

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	LCS Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	2.5%	<5.0%	4/19/06
2-methylnaphthalene	1.5%	<5.0%	4/19/06

Lab Number:	10171-53
Sample Designation:	LCSD 181 W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	4/18/06
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	AJD

NAPHTHALENE BREAKTHROUGH CALCULATION

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	LCSD Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	3.4%	<5.0%	4/19/06
2-methylnaphthalene	2.0%	<5.0%	4/19/06

Lab Number:	10171-50
Sample Designation:	Preparation Blank 209 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	74	30-150
Decachlorobiphenyl	86	30-150

U = Below quantitation limit

Lab Number:	10171-51
Sample Designation:	Laboratory Control Sample/Duplicate 209 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/13/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Amount Added ug/L	Amount Found In LCS ug/L	LCS Recovery (%)	Amount Found in LCSD ug/L	LCSD Recovery (%)	RPD (%)	Date of Analysis
PCB-1016	2	1.5	75%	1.5	75%	0.0%	4/13/06
PCB-1242							4/13/06
PCB-1221							4/13/06
PCB-1232							4/13/06
PCB-1248							4/13/06
PCB-1254							4/13/06
PCB-1260	2	1.4	70%	1.5	75%	6.9%	4/13/06
PCB-1262							4/13/06
PCB-1268							4/13/06
Acceptance Criteria:			40-140%		40-140%	20%	

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	83	30-150	78	30-150
Decachlorobiphenyl	88	30-150	92	30-150

U = Below quantitation limit

Lab Number:	10171-60
Sample Designation:	Preparation Blank 210 W
Date Sampled:	N/A
Date Extracted:	4/14/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	U	0.3
PCB-1232	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	80	30-150
Decachlorobiphenyl	96	30-150

U = Below quantitation limit

Lab Number:	10171-61
Sample Designation:	Laboratory Control Sample/Duplicate 210 W
Date Sampled:	N/A
Date Extracted:	4/12/06
Date Analyzed:	4/18/06
Matrix:	Water
Dilution Factor:	1
Analyst:	AJD

POLYCHLORINATED BIPHENYLS
SW 846 Method 3510C/8082A.

	Amount Added ug/L	Amount Found in LCS ug/L	LCS Recovery (%)	Amount Found in LCSD ug/L	LCSD Recovery (%)	RPD (%)	Date of Analysis
PCB-1016	2	1.5	75%	1.8	90%	18%	4/18/06
PCB-1242							4/18/06
PCB-1221							4/18/06
PCB-1232							4/18/06
PCB-1248							4/18/06
PCB-1254							4/18/06
PCB-1260	2	1.7	85%	1.8	90%	6%	4/18/06
PCB-1262							4/18/06
PCB-1268							4/18/06
Acceptance Criteria:			40-140%		40-140%	20%	

SURROGATE STANDARDS	Recovery (%)	Acceptance Limits (%)	Recovery (%)	Acceptance Limits (%)
Tetrachloro-m-xylene	79	30-150	90	30-150
Decachlorobiphenyl	101	30-150	102	30-150

U = Below quantitation limit

Lab Number 10171 METALS QC REPORT
Batch QC Results

Prep Blank

Analyte	Sample ID #	Result (mg/L)	Reporting Limit (mg/L)
Silver	ICB041306	< 0.007	0.007
Arsenic	ICB041306	< 0.01	0.01
Barium	ICB041306	< 0.05	0.05
Cadmium	ICB041306	< 0.005	0.005
Chromium	ICB041306	< 0.05	0.05
Lead	ICB041306	< 0.01	0.01
Selenium	ICB041306	< 0.05	0.05

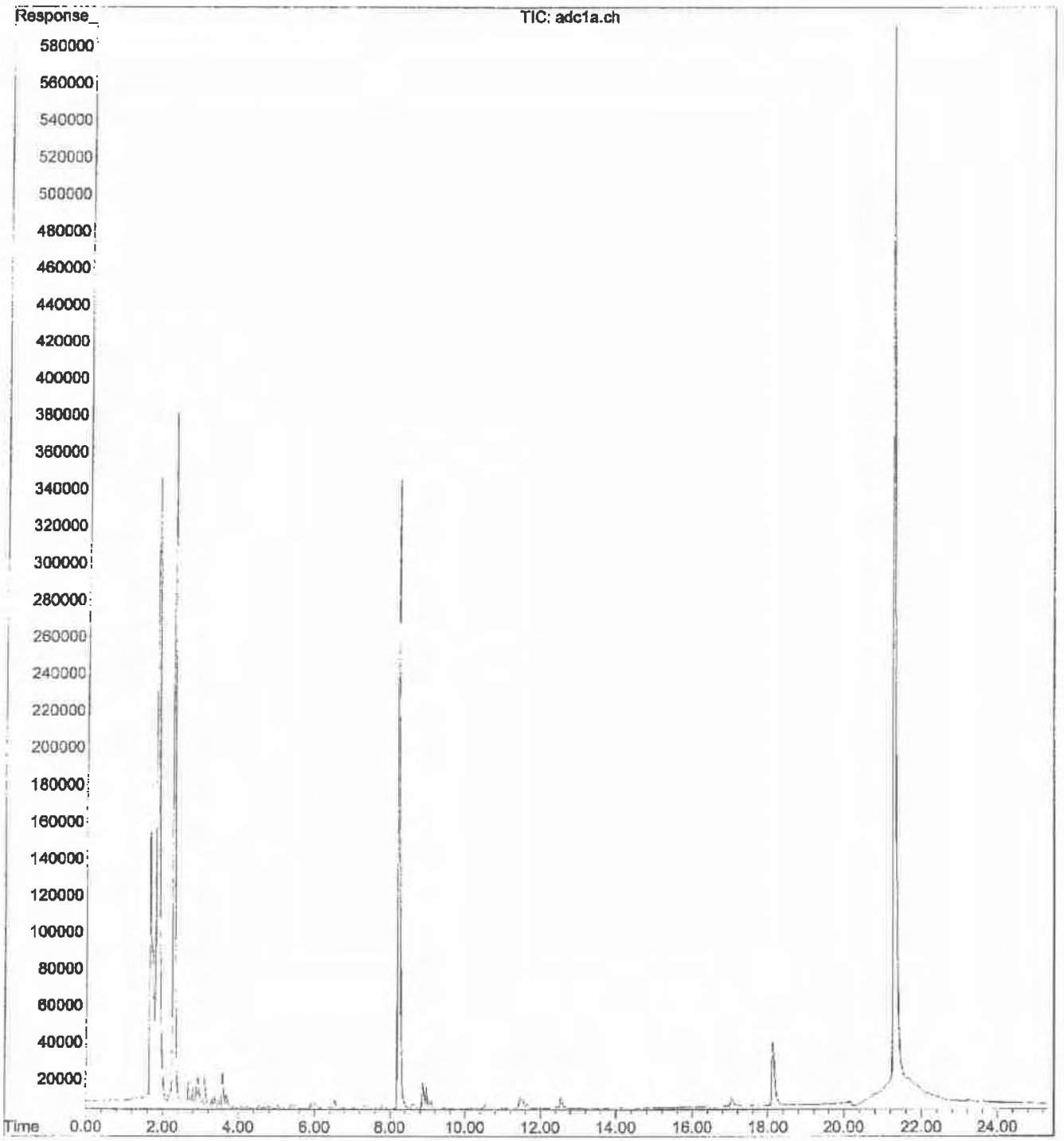
Laboratory Control Sample

Analyte	Sample ID #	Result (mg/L)	True Value (mg/L)	%Recovery Control Limits (85-115%)
Silver	ICV041306	0.26	0.25	103
Arsenic	ICV041306	0.49	0.50	99
Barium	ICV041306	0.51	0.50	101
Cadmium	ICV041306	0.51	0.50	102
Chromium	ICV041306	0.50	0.50	100
Lead	ICV041306	0.49	0.50	97
Selenium	ICV041306	0.50	0.50	99

Sample Spike Data (MS)

Analyte	Sample ID #	Sample Result (mg/L)	Spike Sample Result (mg/L)	Spike Amount (mg/L)	%Recovery Control Limits (75-125%)
Silver	10171-04MS	0	0.24	0.3	97
Arsenic	10171-04MS	0.0032	0.53	0.5	105
Barium	10171-04MS	0.1773	0.67	0.5	99
Cadmium	10171-04MS	0	0.51	0.5	103
Chromium	10171-04MS	0	0.50	0.5	101
Lead	10171-04MS	0.0027	0.47	0.5	94
Selenium	10171-04MS	0.0152	0.53	0.5	103

File : X:\DATA\SVOA03\2006\APR06\041806\010F0101.D
Operator : AJD
Acquired : 18 Apr 2006 12:46 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-01 pcb x1
Misc Info :
Vial Number: 10



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Operator : AJD
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Instrument : SVOA03
Sample Name: 10171-02 pcb x1
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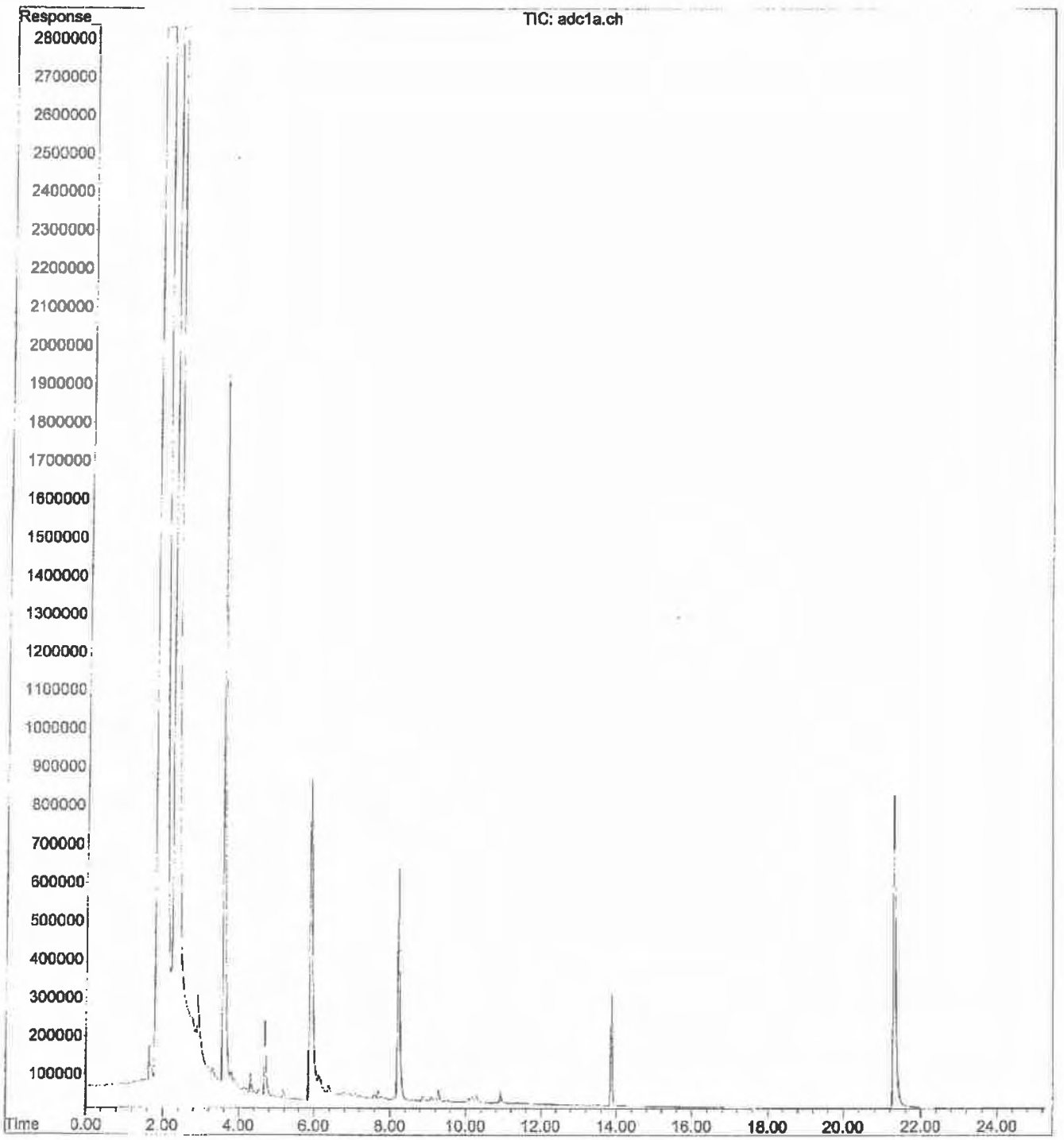
Vial Number: 23



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Operator : AJD
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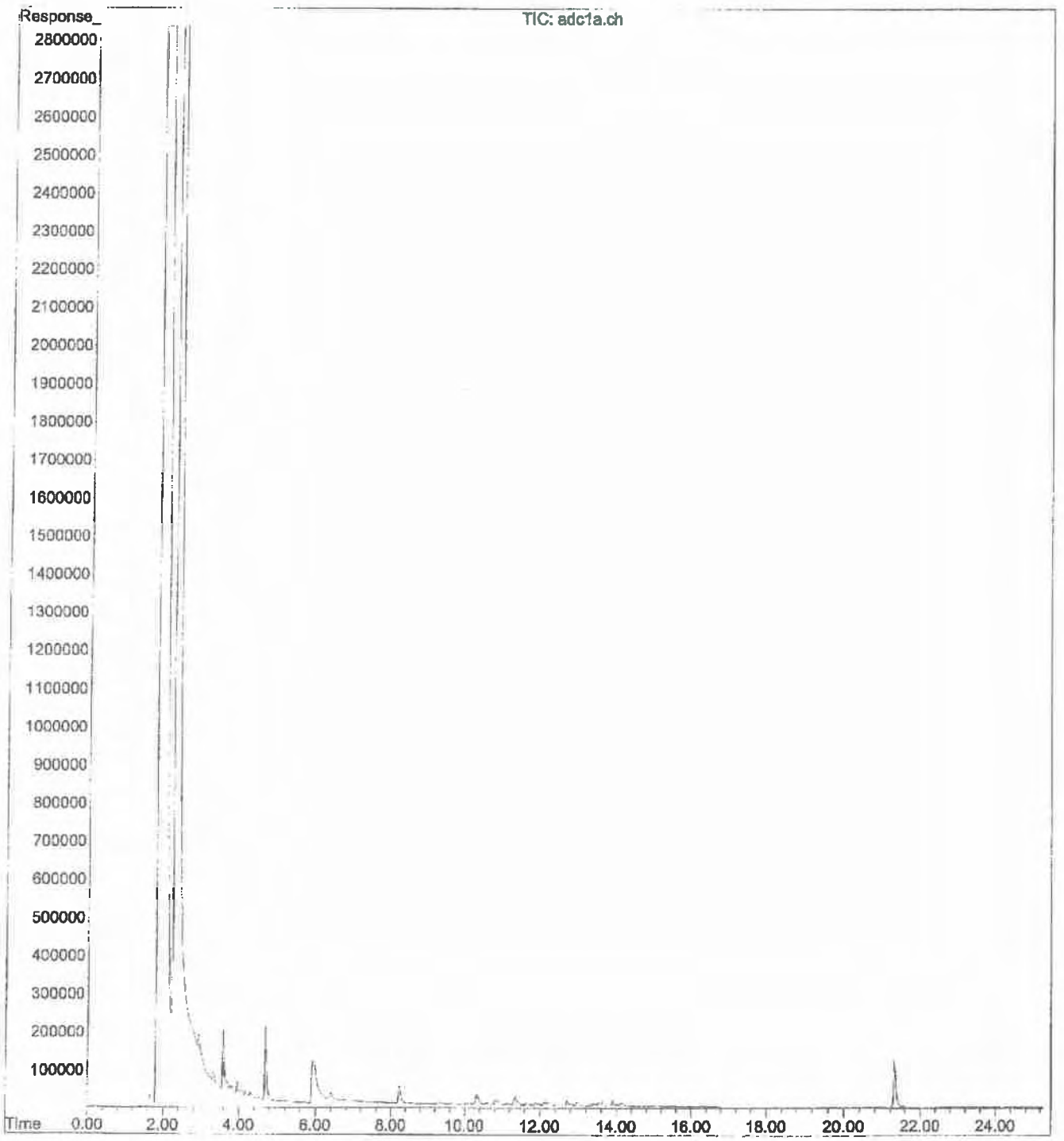
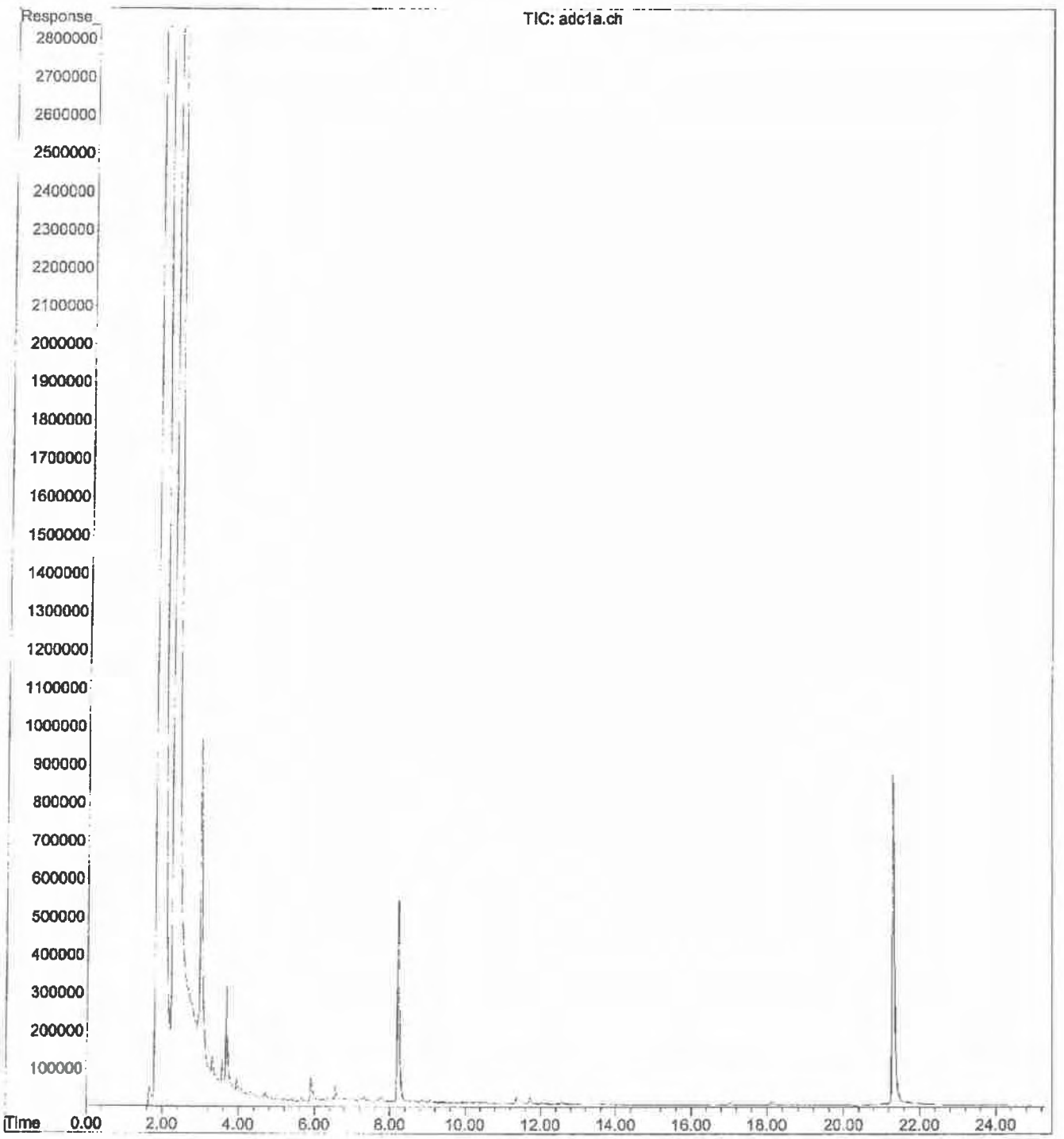
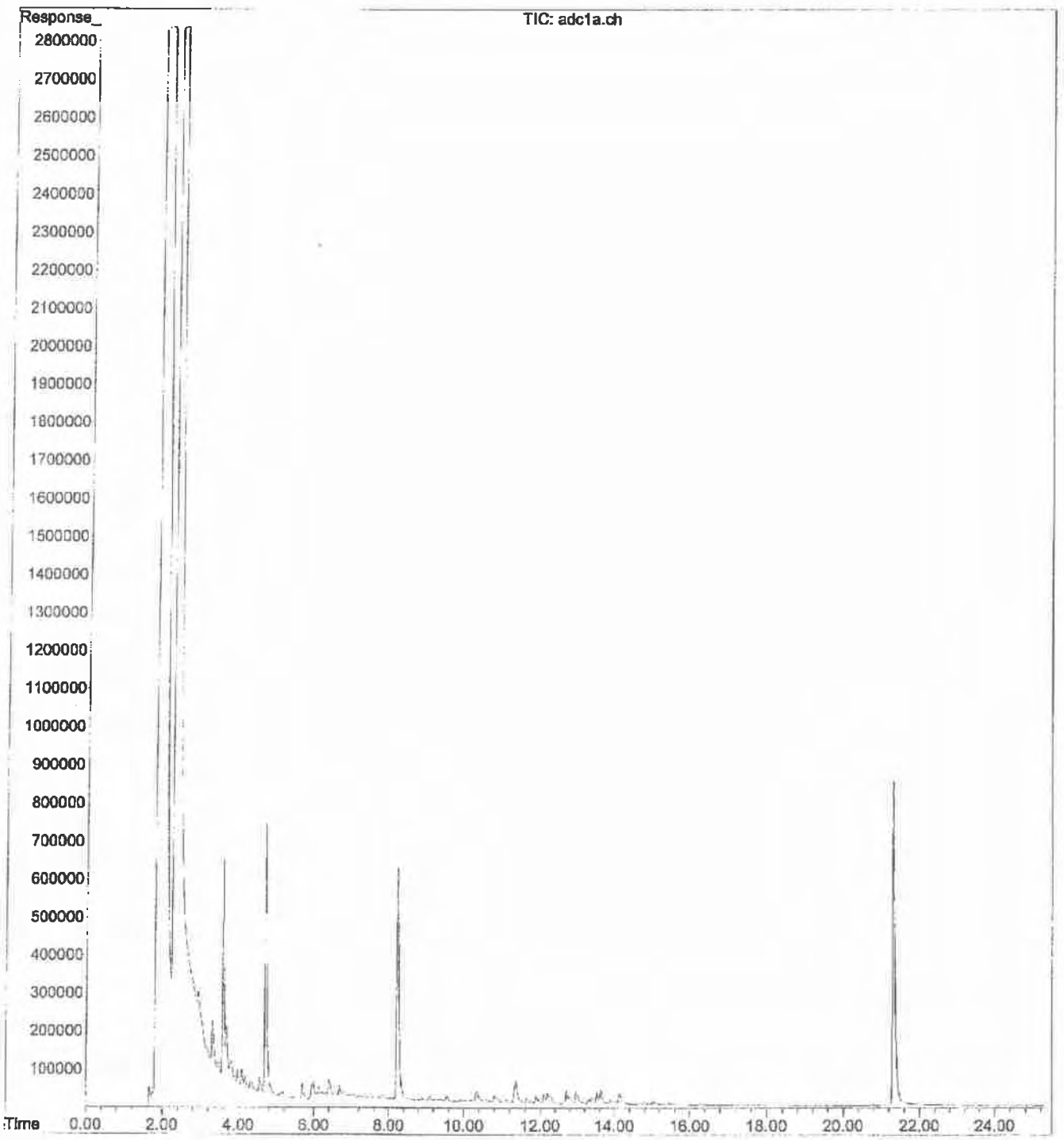
Instrument : SVOA03
Sample Name: 10171-04rrpcbx20
Misc Info :
Vial Number: 11



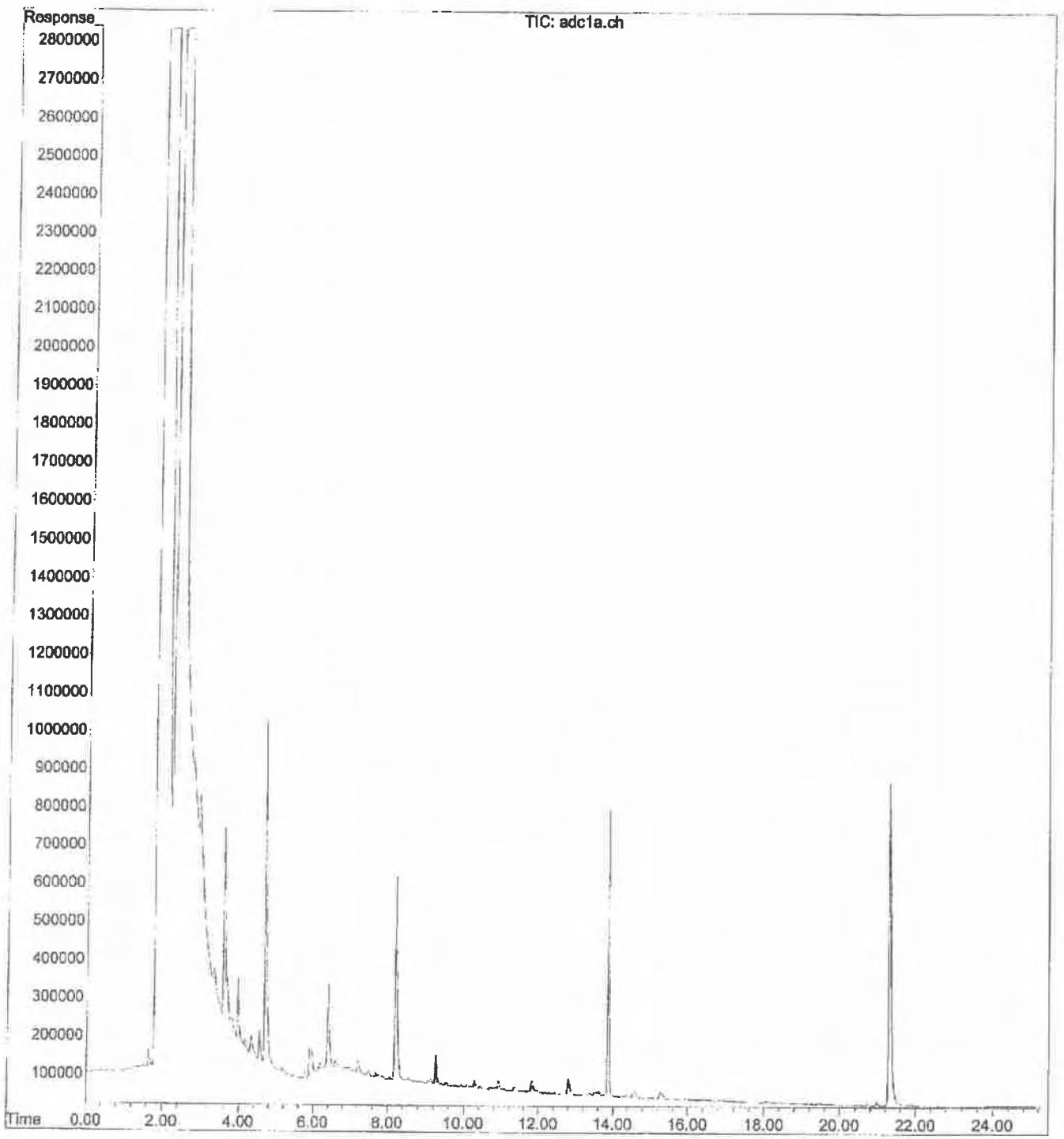
File : X:\DATA\SVOA03\2006\APR06\041806\011F0101.D
Operator : AJD
Acquired : 18 Apr 2006 01:14 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-05 pcb x1
Misc Info :
Vial Number: 11



File : X:\DATA\SVOA03\2006\APR06\041906\006F0101.D
Operator : AJD
Acquired : 19 Apr 2006 03:27 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-06rr pcbx1
Misc Info :
Vial Number: 6



File : X:\DATA\SVOA03\2006\APR06\041806\021F0101.D
Operator : AJD
Acquired : 18 Apr 2006 06:02 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-07 pcb x1
Misc Info :
Vial Number: 21



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File        : X:\DATA\SVOA03\2006\APR06\041806\012F0101.D
Operator    : AJD
Acquired    : 18 Apr 2006  01:43 pm using AcqMethod S3PP10B.MTH
Instrument :
  SVOA03
Sample Name: 10171-08 pcb x1
Misc Info   :
Vial Number: 12
```
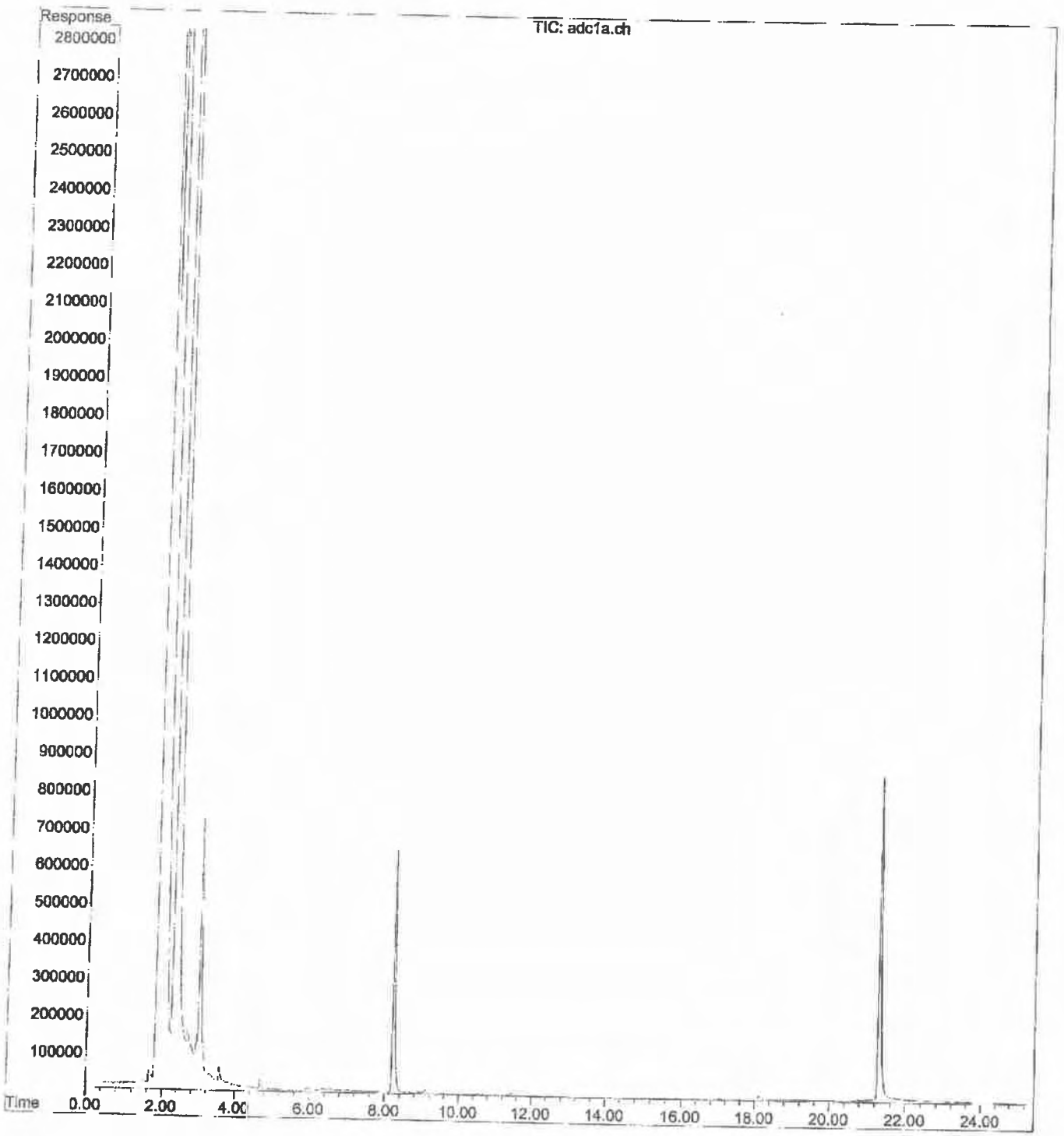
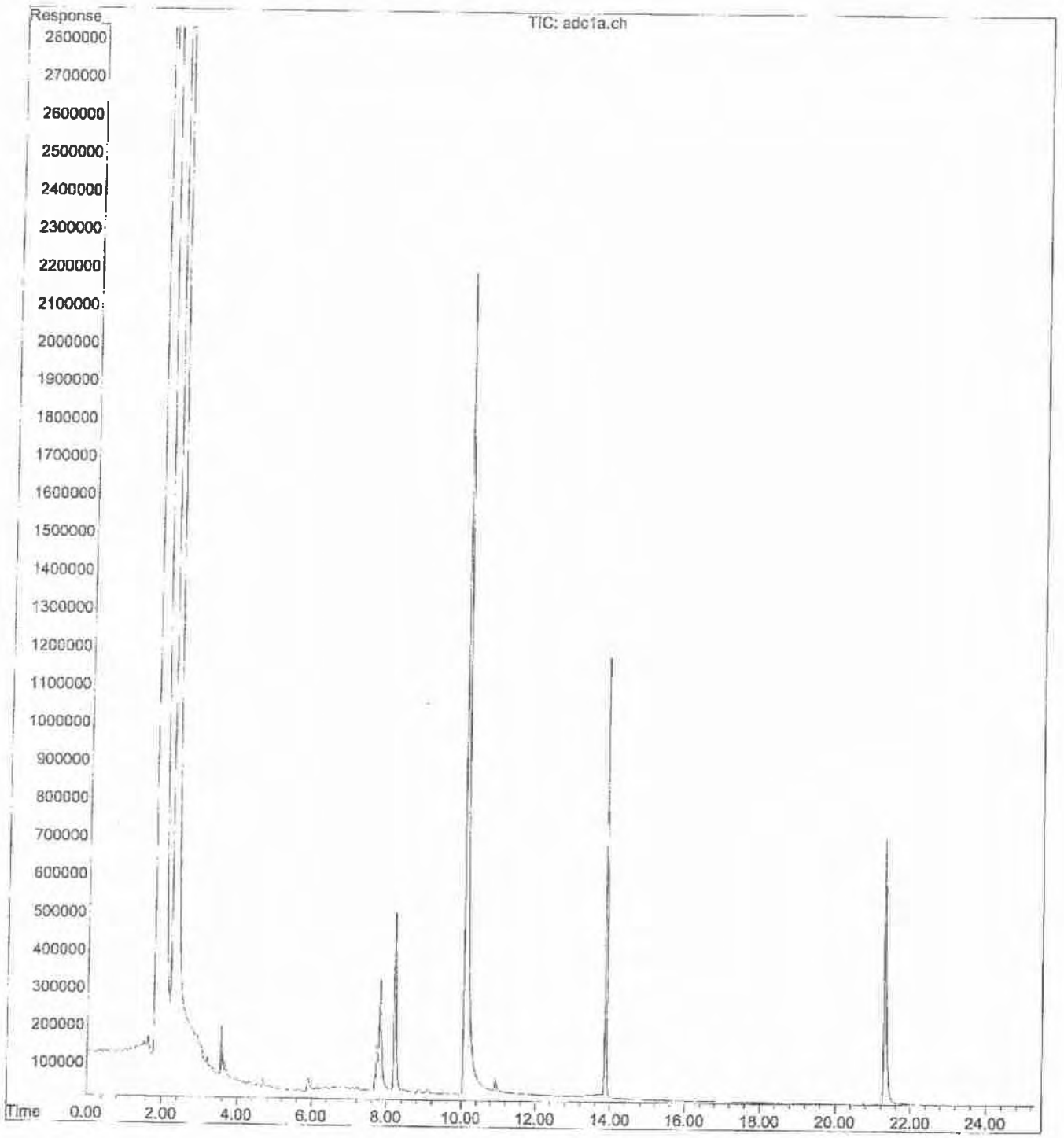



File : X:\DATA\SVOA03\2006\APR06\041806\022F0101.D
Operator : AJD
Acquired : 18 Apr 2006 06:31 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-09 pcb x1
Misc Info :
Vial Number: 22



RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

10171

Company Name: Environmental Strategies & Management
Phone #: 508 285 9700
FAX #: 508 285-9957
Company Address: 154 West Main St Norton, MA
Site Location (City, State): Hyde Park MA
Project Manager: Joe Callahan
Project ID / Name: 2006-056 / Lewis Chemical
Invoice To: ESM
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER
10171-01	ESM-04	4	X			3						4/10/06	0830	LM
02	ESM-09	4	X			3							0900	LM
03	DUP-2	3	X			3							0915	LM
04	ESM-05	5	X			3	1						0930	AF
05	ESM-05B	5	X			3	1						1000	AF
06	ESM-06	4	X			3							1040	AF
07	ESM-15	4	X			3							1115	AF
08	ESM-07	4	X			3							1145	LM
09	ESM-10	5	X			6							1230	LM
10	Trip Blank	1	X			1								

ANALYSIS REQUEST

☐ VOC 8260-NH List	☐ MADEP VPH	☐ MEGRO
☐ VOC 8260	☐ VOC8015GRO	☐ VOC 624 (8260R)
☐ VOC 8260 BTEX, MBE, Naphthalene only		
☐ VOC 524.2	☐ VOC 524.2 NH List	
☐ TPH Fingerprint	☐ MEDRO	☐ DRO 8015 ☐ EPH MADEP
☐ 8270PAH	☐ 8270ABN	☐ 625
☐ 8082 PCB	☐ 8081 Pesticides	☐ 608
☐ O&G 1664	☐ O&G SM5520F	
☐ pH	☐ BOD	☐ Conductivity
☐ TSS	☐ TDS	☐ TS
☐ RCRA Metals	☐ Priority Pollutant Metals	☐ TAL Metals & Sodium
☐ Total Metals-list	☐ Dissolved Metals-list	
☐ Ammonia	☐ COD	
☐ T-Phenolic	☐ Phenol	
☐ Cyanide	☐ Sulfide	
☐ Nitrate	☐ Nitrite	☐ Ortho P ☐ Sulfate ☐ Bromide ☐ Chloride
☐ Corrosivity	☐ Reactive CN	☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals	☐ TCLP VOC	☐ TCLP SVOC
☐ TCLP Pesticide	☐ TCLP Herbicides	(subcontract)
☐ Standard Drinking Water Test	☐ Bacteria P/A	

Grab (G) or Composite (C)

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☒
Other ☐

E-Mail Address: jcallahan@esm-inc.com
Quote #:
PO #:

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify)
☐ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 4 °C

Lab Use Only

CUSTODY RECORD

Relinquished by Sampler:	Date: 4/11/06	Time: 1145	Received by:	Date: 4/11/06	Time: 11:45
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Laboratory: Way Bill#:	Date:	Time:

RL Resource Laboratories, LLC

Laboratory Report

Joe Callahan
Environmental Strategies & Management
184 West Main Street
Norton, MA 02766

PO Number: None
LabID: 11371
Date Received: 11/16/06

Project: 2006-056 DND Lewis Chem

Attached please find results for the analysis of the samples received on the date referenced above.

Enclosed please find the revised report. The report now includes the MADEP MCP Report Certification Form.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Resource Laboratories, LLC Quality Assurance Plan. The Standard Operating Procedures (SOP) are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Resource Laboratories, LLC maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Resource Laboratories, LLC

Susan Sylvester
Principal, General Manager

12-7-06
Date

Total number of pages 21

Resource Laboratories, LLC Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

124 Heritage Avenue #10 Portsmouth NH 03801
Voice: 603-436-2001 Fax: 603-430-2100
www.reslabs.com

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-001
Sample ID: PZ-04
Matrix: Water
Sampled: 11/15/06 11:30

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
t-butanol (TBA)	< 40	40	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
bromodichloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-001
Sample ID: PZ-04
Matrix: Water
Sampled: 11/15/06 11:30

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2-dibromo-3-chloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
hexachlorobutadiene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
Surrogate Recovery:		**Limits**							
dibromofluoromethane SUR	98	78-114	%	1	LMM		11/22/06	5:10	SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	LMM		11/22/06	5:10	SW5030B8260B
4-bromofluorobenzene SUR	93	86-115	%	1	LMM		11/22/06	5:10	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-002
Sample ID: PZ-05
Matrix: Water
Sampled: 11/15/06 12:20

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
t-butanol (TBA)	< 40	40	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
bromodichloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-002
Sample ID: PZ-05
Matrix: Water
Sampled: 11/15/06 12:20

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2-dibromo-3-chloropropane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
hexachlorobutadiene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B
Surrogate Recovery:		**Limits**							
dibromofluoromethane SUR	98	78-114	%	1	LMM		11/22/06	5:41	SW5030B8260B
toluene-D8 SUR	101	88-110	%	1	LMM		11/22/06	5:41	SW5030B8260B
4-bromofluorobenzene SUR	91	86-115	%	1	LMM		11/22/06	5:41	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-003
Sample ID: PZ-06
Matrix: Water
Sampled: 11/15/06 13:00

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
methyl t-butyl ether (MTBE)	74	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
t-butanol (TBA)	< 40	40	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
bromodichloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B

Project ID: DND Lewis Chem 2006-056

Lab ID: 11371

Lab Number: 11371-003

Sample ID: PZ-06

Matrix: Water

Sampled: 11/15/06 13:00

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2-dibromo-3-chloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
hexachlorobutadiene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:11	SW5030B8260B
Surrogate Recovery:		**Limits**							
dibromofluoromethane SUR	98	78-114	%	1	LMM		11/22/06	6:11	SW5030B8260B
toluene-D8 SUR	101	88-110	%	1	LMM		11/22/06	6:11	SW5030B8260B
4-bromofluorobenzene SUR	97	86-115	%	1	LMM		11/22/06	6:11	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-004
Sample ID: PZ-07
Matrix: Water
Sampled: 11/15/06 15:00

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
vinyl chloride	**4**	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1-dichloroethane	**10**	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
t-butanol (TBA)	< 40	40	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
cis-1,2-dichloroethene	**15**	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
trichloroethene	**11**	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
bromodichloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
tetrachloroethene	**2**	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B

Project ID: DND Lewis Chem 2006-056

Lab ID: 11371

Lab Number: 11371-004

Sample ID: PZ-07

Matrix: Water

Sampled: 11/15/06 15:00

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2-dibromo-3-chloropropane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
hexachlorobutadiene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
Surrogate Recovery:		**Limits**							
dibromofluoromethane SUR	99	78-114	%	1	LMM		11/22/06	6:42	SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		11/22/06	6:42	SW5030B8260B
4-bromofluorobenzene SUR	95	86-115	%	1	LMM		11/22/06	6:42	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-005
Sample ID: Trip Blank
Matrix: Water
Sampled: 11/15/06

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
t-butanol (TBA)	< 40	40	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
tetrahydrofuran (THF)	< 10	10	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
bromodichloromethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B

Project ID: DND Lewis Chem 2006-056
Lab ID: 11371

Lab Number: 11371-005
Sample ID: Trip Blank
Matrix: Water
Sampled: 11/15/06

Parameter:	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Date	Analysis Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2-dibromo-3-chloropropane	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
hexachlorobutadiene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	3:08	SW5030B8260B
Surrogate Recovery:		**Limits**							
dibromofluoromethane SUR	98	78-114	%	1	LMM		11/22/06	3:08	SW5030B8260B
toluene-D8 SUR	104	88-110	%	1	LMM		11/22/06	3:08	SW5030B8260B
4-bromofluorobenzene SUR	93	86-115	%	1	LMM		11/22/06	3:08	SW5030B8260B

Quality Control Report

Case Narrative
Lab # 11371

Sample Receiving and Chain of Custody Discrepancies
Samples were received in acceptable condition, at 4 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Method Blank
No exceptions noted.

Surrogate Recoveries
No exceptions noted.

Laboratory Control Sample Results
VOC 8260: LCS 0403790 did not meet acceptance criteria for bromoform and 1,2 dibromo-3-chloropropane. LCSD 0403790 did not meet acceptance criteria for bromoform and 1,2 dibromo-3-chloropropane. These compounds are known to be problematic in the method.

No other exceptions noted.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results
Not requested for this project.

Other
Dilutions performed during the analysis are noted on the result pages.

No other exceptions noted.

124 HERITAGE AVENUE · PORTSMOUTH NEW HAMPSHIRE · 03801
PHONE: 603-436-2001 · FAX: 603-430-2100

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Resource Laboratories, LLC					Lab # 11371
Project Location Hyde Park		Project #			MADEP RTN (if available)
This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)					
Sample Matrices: Groundwater (x) Soil/Sediment ( ) Drinking Water ( ) Other:					
MCP SW-846 Methods Used	8260 (x)	8081 ( )	6010 ( )	Cyanide ( )	Other ( )
	8270 ( )	VPH ( )	7470/7471 ( )	Other ( )	Other ( )
	8082 ( )	EPH ( )	Other ( )	Other ( )	Other ( )

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	Yes (x) No ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x) No ( )
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes (x) No ( )
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications? (see Section 11.3 of respective Methods)	Yes ( ) No ( ) NA
E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No (x)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x) No ( )

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Susan C Sylvester Position: Lab Director

Printed Name: Susan C. Sylvester Date: 12-6-06

- QC Report -

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limit	RPD	RPD Limit
SW5030B8260B	BLK0403790	dichlorodifluoromethane		< 2	ug/L					
		chloromethane		< 2	ug/L					
		vinyl chloride		< 2	ug/L					
		bromomethane		< 2	ug/L					
		chloroethane		< 2	ug/L					
		trichlorofluoromethane		< 2	ug/L					
		diethyl ether		< 10	ug/L					
		acetone		< 10	ug/L					
		1,1-dichloroethene		< 1	ug/L					
		methylene chloride		< 5	ug/L					
		carbon disulfide		< 2	ug/L					
		methyl t-butyl ether (MTBE)		< 2	ug/L					
		trans-1,2-dichloroethene		< 2	ug/L					
		isopropyl ether (DIPE)		< 2	ug/L					
		ethyl t-butyl ether (ETBE)		< 2	ug/L					
		1,1-dichloroethane		< 2	ug/L					
		t-butanol (TBA)		< 40	ug/L					
		2-butanone (MEK)		< 10	ug/L					
		2,2-dichloropropane		< 2	ug/L					
		cis-1,2-dichloroethene		< 2	ug/L					
		chloroform		< 2	ug/L					
		bromochloromethane		< 2	ug/L					
		tetrahydrofuran (THF)		< 10	ug/L					
		1,1,1-trichloroethane		< 2	ug/L					
		1,1-dichloropropene		< 2	ug/L					
		t-amyl-methyl ether (TAME)		< 2	ug/L					
		carbon tetrachloride		< 2	ug/L					
		1,2-dichloroethane		< 2	ug/L					
		benzene		< 2	ug/L					
		trichloroethene		< 2	ug/L					
		1,2-dichloropropane		< 2	ug/L					
		bromodichloromethane		< 2	ug/L					
		1,4-dioxane		< 50	ug/L					
		dibromomethane		< 2	ug/L					
		4-methyl-2-pentanone (MIBK)		< 10	ug/L					
		cis-1,3-dichloropropene		< 2	ug/L					
		toluene		< 2	ug/L					
		trans-1,3-dichloropropene		< 2	ug/L					
		2-hexanone		< 10	ug/L					
		1,1,2-trichloroethane		< 2	ug/L					
		1,3-dichloropropane		< 2	ug/L					
		tetrachloroethene		< 2	ug/L					
		dibromochloromethane		< 2	ug/L					
		1,2-dibromoethane (EDB)		< 2	ug/L					
		chlorobenzene		< 2	ug/L					
		1,1,1,2-tetrachloroethane		< 2	ug/L					
		ethylbenzene		< 2	ug/L					
		m&p-xylenes		< 2	ug/L					
		o-xylene		< 2	ug/L					
		styrene		< 2	ug/L					
		bromoform		< 2	ug/L					

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limit	RPD	RPD Limit
SW5030B8260B	BLK0403790	isopropylbenzene		< 2	ug/L					
		1,1,2,2-tetrachloroethane		< 2	ug/L					
		1,2,3-trichloropropane		< 2	ug/L					
		n-propylbenzene		< 2	ug/L					
		bromobenzene		< 2	ug/L					
		1,3,5-trimethylbenzene		< 2	ug/L					
		2-chlorotoluene		< 2	ug/L					
		4-chlorotoluene		< 2	ug/L					
		tert-butylbenzene		< 2	ug/L					
		1,2,4-trimethylbenzene		< 2	ug/L					
		sec-butylbenzene		< 2	ug/L					
		1,3-dichlorobenzene		< 2	ug/L					
		4-isopropyltoluene		< 2	ug/L					
		1,4-dichlorobenzene		< 2	ug/L					
		1,2-dichlorobenzene		< 2	ug/L					
		n-butylbenzene		< 2	ug/L					
		1,2-dibromo-3-chloropropane		< 2	ug/L					
		1,2,4-trichlorobenzene		< 2	ug/L					
		hexachlorobutadiene		< 2	ug/L					
		naphthalene		< 5	ug/L					
		1,2,3-trichlorobenzene		< 2	ug/L					
		dibromofluoromethane SUR		100	%			78 114		
		toluene-D8 SUR		100	%			88 110		
		4-bromofluorobenzene SUR		92	%			86 115		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R		Limit		RPD	RPD Limit
SW5030B8260B	LCS0403790	dichlorodifluoromethane			17 ug/L	20	86		70	130		
		chloromethane			21 ug/L	20	103		70	130		
		vinyl chloride			19 ug/L	20	95		70	130		
		bromomethane			17 ug/L	20	87		70	130		
		chloroethane			20 ug/L	20	101		70	130		
		trichlorofluoromethane			18 ug/L	20	92		70	130		
		diethyl ether			22 ug/L	20	110		70	130		
		acetone			21 ug/L	20	104		70	130		
		1,1-dichloroethene			20 ug/L	20	102		70	130		
		methylene chloride			22 ug/L	20	111		70	130		
		carbon disulfide			17 ug/L	20	83		70	130		
		methyl t-butyl ether (MTBE)			21 ug/L	20	103		70	130		
		trans-1,2-dichloroethene			21 ug/L	20	106		70	130		
		isopropyl ether (DIPE)			20 ug/L	20	99		70	130		
		ethyl t-butyl ether (ETBE)			21 ug/L	20	105		70	130		
		1,1-dichloroethane			21 ug/L	20	103		70	130		
		t-butanol (TBA)			91 ug/L	100	91		70	130		
		2-butanone (MEK)			17 ug/L	20	87		70	130		
		2,2-dichloropropane			15 ug/L	20	75		70	130		
		cis-1,2-dichloroethene			21 ug/L	20	107		70	130		
		chloroform			21 ug/L	20	107		70	130		
		bromochloromethane			22 ug/L	20	108		70	130		
		tetrahydrofuran (THF)			18 ug/L	20	91		70	130		
		1,1,1-trichloroethane			20 ug/L	20	100		70	130		
		1,1-dichloropropene			21 ug/L	20	107		70	130		
		t-amyl-methyl ether (TAME)			21 ug/L	20	104		70	130		
		carbon tetrachloride			17 ug/L	20	86		70	130		
		1,2-dichloroethane			21 ug/L	20	107		70	130		
		benzene			21 ug/L	20	105		70	130		
		trichloroethene			21 ug/L	20	106		70	130		
		1,2-dichloropropane			21 ug/L	20	105		70	130		
		bromodichloromethane			18 ug/L	20	89		70	130		
		1,4-dioxane		<	50 ug/L	40	101					
		dibromomethane			21 ug/L	20	105		70	130		
		4-methyl-2-pentanone (MIBK)			18 ug/L	20	92		70	130		
		cis-1,3-dichloropropene			18 ug/L	20	92		70	130		
		toluene			22 ug/L	20	111		70	130		
		trans-1,3-dichloropropene			18 ug/L	20	89		70	130		
		2-hexanone			17 ug/L	20	85		70	130		
		1,1,2-trichloroethane			21 ug/L	20	106		70	130		
		1,3-dichloropropane			21 ug/L	20	103		70	130		
		tetrachloroethene			21 ug/L	20	105		70	130		
		dibromochloromethane			16 ug/L	20	78		70	130		
		1,2-dibromoethane (EDB)			20 ug/L	20	100		70	130		
		chlorobenzene			21 ug/L	20	104		70	130		
		1,1,1,2-tetrachloroethane			17 ug/L	20	87		70	130		
		ethylbenzene			22 ug/L	20	109		70	130		
		m&p-xylenes			45 ug/L	40	113		70	130		
		o-xylene			23 ug/L	20	115		70	130		
		styrene			22 ug/L	20	109		70	130		
		bromoform			12 ug/L	20	61	#	70	130		
		isopropylbenzene			22 ug/L	20	112		70	130		
		1,1,2,2-tetrachloroethane			17 ug/L	20	84		70	130		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R		Limit		RPD	RPD Limit
SW5030B8260B	LCS0403790	1,2,3-trichloropropane		18	ug/L	20	90		70	130		
		n-propylbenzene		21	ug/L	20	105		70	130		
		bromobenzene		20	ug/L	20	99		70	130		
		1,3,5-trimethylbenzene		22	ug/L	20	109		70	130		
		2-chlorotoluene		21	ug/L	20	105		70	130		
		4-chlorotoluene		20	ug/L	20	102		70	130		
		tert-butylbenzene		22	ug/L	20	111		70	130		
		1,2,4-trimethylbenzene		22	ug/L	20	109		70	130		
		sec-butylbenzene		21	ug/L	20	106		70	130		
		1,3-dichlorobenzene		19	ug/L	20	95		70	130		
		4-isopropyltoluene		22	ug/L	20	111		70	130		
		1,4-dichlorobenzene		19	ug/L	20	94		70	130		
		1,2-dichlorobenzene		21	ug/L	20	104		70	130		
		n-butylbenzene		22	ug/L	20	108		70	130		
		1,2-dibromo-3-chloropropane		13	ug/L	20	67	#	70	130		
		1,2,4-trichlorobenzene		19	ug/L	20	96		70	130		
		hexachlorobutadiene		21	ug/L	20	104		70	130		
		naphthalene		17	ug/L	20	84		70	130		
		1,2,3-trichlorobenzene		19	ug/L	20	95		70	130		
		dibromofluoromethane SUR		98	%				78	114		
		toluene-D8 SUR		103	%				88	110		
		4-bromofluorobenzene SUR		106	%				86	115		

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R		Limit		RPD	RPD Limit
SW5030B8260B	LCSD0403790	dichlorodifluoromethane		17	ug/L	20	87		70	130	1	20
		chloromethane		21	ug/L	20	103		70	130	0.2	20
		vinyl chloride		19	ug/L	20	95		70	130	0.4	20
		bromomethane		18	ug/L	20	89		70	130	2.2	20
		chloroethane		20	ug/L	20	100		70	130	1.2	20
		trichlorofluoromethane		19	ug/L	20	95		70	130	2.9	20
		diethyl ether		21	ug/L	20	105		70	130	4.7	20
		acetone		21	ug/L	20	103		70	130	0.9	20
		1,1-dichloroethene		20	ug/L	20	100		70	130	1.8	20
		methylene chloride		20	ug/L	20	99		70	130	12	20
		carbon disulfide		16	ug/L	20	82		70	130	0.4	20
		methyl t-butyl ether (MTBE)		20	ug/L	20	101		70	130	1.9	20
		trans-1,2-dichloroethene		21	ug/L	20	103		70	130	3	20
		Isopropyl ether (DIPE)		20	ug/L	20	102		70	130	2.6	20
		ethyl t-butyl ether (ETBE)		20	ug/L	20	102		70	130	3.1	20
		1,1-dichloroethane		20	ug/L	20	102		70	130	0.9	20
		t-butanol (TBA)		88	ug/L	100	88		70	130	3.6	20
		2-butanone (MEK)		18	ug/L	20	92		70	130	4.9	20
		2,2-dichloropropane		15	ug/L	20	77		70	130	2.2	20
		cis-1,2-dichloroethene		22	ug/L	20	109		70	130	1.9	20
		chloroform		21	ug/L	20	105		70	130	1.4	20
		bromochloromethane		21	ug/L	20	105		70	130	2.1	20
		tetrahydrofuran (THF)		19	ug/L	20	96		70	130	4.9	20
		1,1,1-trichloroethane		20	ug/L	20	102		70	130	1.7	20
		1,1-dichloropropene		21	ug/L	20	104		70	130	3.4	20
		t-amyl-methyl ether (TAME)		20	ug/L	20	100		70	130	4.1	20
		carbon tetrachloride		17	ug/L	20	85		70	130	1	20
		1,2-dichloroethane		21	ug/L	20	107		70	130	0.3	20
		benzene		21	ug/L	20	106		70	130	0.6	20
		trichloroethene		21	ug/L	20	104		70	130	2.3	20
		1,2-dichloropropane		21	ug/L	20	104		70	130	1	20
		bromodichloromethane		18	ug/L	20	91		70	130	1.8	20
		1,4-dioxane		50	ug/L	40	95		70	130	6.7	20
		dibromomethane		21	ug/L	20	105		70	130	0.6	20
		4-methyl-2-pentanone (MIBK)		18	ug/L	20	90		70	130	2.7	20
		cis-1,3-dichloropropene		18	ug/L	20	90		70	130	2	20
		toluene		22	ug/L	20	109		70	130	2.4	20
		trans-1,3-dichloropropene		18	ug/L	20	88		70	130	2.2	20
		2-hexanone		17	ug/L	20	83		70	130	2.5	20
		1,1,2-trichloroethane		21	ug/L	20	103		70	130	2.6	20
		1,3-dichloropropane		20	ug/L	20	101		70	130	1.8	20
		tetrachloroethene		21	ug/L	20	103		70	130	2	20
		dibromochloromethane		16	ug/L	20	79		70	130	0.8	20
		1,2-dibromoethane (EDB)		20	ug/L	20	98		70	130	1.2	20
		chlorobenzene		21	ug/L	20	103		70	130	1.1	20
		1,1,1,2-tetrachloroethane		18	ug/L	20	88		70	130	1.7	20
		ethylbenzene		22	ug/L	20	108		70	130	1	20
		m&p-xylenes		44	ug/L	40	110		70	130	2.5	20
		o-xylene		22	ug/L	20	110		70	130	5	20
		styrene		21	ug/L	20	106		70	130	2.2	20
		bromoform		13	ug/L	20	63	#	70	130	3.2	20
		isopropylbenzene		22	ug/L	20	110		70	130	1.1	20
		1,1,2,2-tetrachloroethane		17	ug/L	20	86		70	130	2.4	20

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R		Limit		RPD	RPD Limit
SW5030B8260B	LCSD0403790	1,2,3-trichloropropane		18	ug/L	20	90		70	130	0.2	20
		n-propylbenzene		22	ug/L	20	109		70	130	3.5	20
		bromobenzene		20	ug/L	20	102		70	130	3.1	20
		1,3,5-trimethylbenzene		22	ug/L	20	111		70	130	1.8	20
		2-chlorotoluene		22	ug/L	20	108		70	130	2.3	20
		4-chlorotoluene		21	ug/L	20	105		70	130	2.4	20
		tert-butylbenzene		21	ug/L	20	105		70	130	5.8	20
		1,2,4-trimethylbenzene		22	ug/L	20	110		70	130	1	20
		sec-butylbenzene		21	ug/L	20	103		70	130	2.7	20
		1,3-dichlorobenzene		19	ug/L	20	97		70	130	1.6	20
		4-isopropyltoluene		22	ug/L	20	109		70	130	2	20
		1,4-dichlorobenzene		19	ug/L	20	97		70	130	2.8	20
		1,2-dichlorobenzene		21	ug/L	20	105		70	130	0.6	20
		n-butylbenzene		21	ug/L	20	107		70	130	0.5	20
		1,2-dibromo-3-chloropropane		14	ug/L	20	68	#	70	130	1.8	20
		1,2,4-trichlorobenzene		19	ug/L	20	93		70	130	3.3	20
		hexachlorobutadiene		20	ug/L	20	102		70	130	1.5	20
		naphthalene		< 17	ug/L	20	86				2.2	20
		1,2,3-trichlorobenzene		19	ug/L	20	95		70	130	0.3	20
		dibromofluoromethane SUR		102	%				78	114		
		toluene-D8 SUR		105	%				88	110		
		4-bromofluorobenzene SUR		105	%				86	115		

RL Resource Laboratories, LLC

124 Heritage Avenue • Portsmouth, NH 03801
Phone: 603-436-2001 • Fax: 603-430-2100

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

11371

Company Name: ESeM
Phone #: 303 2859700
FAX #: 303 2859957
Company Address: 184 West Main St Norton MA
Site Location (City, State): Hyde Park, MA
Project Manager: Joe Callahan
Project ID / Name: 2006-056 / DND Lewis Chem
Invoice To: ESeM
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
11371-01	PZ-04	2	✓			✓						11/15/06	1130	AF	G
11371-02	PZ-05	2	✓			✓						11/15/06	1220	AF	G
11371-03	PZ-06	2	✓			✓						11/15/06	1300	AF	G
11371-04	PZ-07	2	✓			✓						11/15/06	1500	AF	G
11371-05	Trip Blank	1													

ANALYSIS REQUEST

☐ VOC 8260-NH List	☐ MADEP VPH	☐ MEGRO	☐ VOC 8260	☐ VOC80155RO	☐ VOC 624	☐ VOC 8260 BTEX, MtBE, Naphthalene only	☐ VOC 524.2	☐ VOC 524.2 NH List	☐ TPH Fingerprint	☐ MEDRO	☐ DRO 8015	☐ EPH	☐ 8270PAH	☐ 8270ABN	☐ 625	☐ 8082 PCB	☐ 8081 Pesticides	☐ 608	☐ O&G 1664	☐ O&G SM5520F	☐ pH	☐ BOD	☐ Conductivity	☐ TSS	☐ TDS	☐ TS	☐ RCRA Metals	☐ Priority Pollutant Metals	☐ TAL Metals	☐ Total Metals-list	☐ Dissolved Metals-list	☐ Ammonia	☐ COD	☐ T-Phosphorus	☐ Phenol	☐ Cyanide	☐ Sulfide	☐ Nitrate	☐ Nitrite	☐ Ortho P	☐ Sulfate	☐ Bromide	☐ Chloride	☐ Corrosivity	☐ Reactive CN	☐ Reactive S-	☐ Ignitibility/FP	☐ TCLP Metals	☐ TCLP VOC	☐ TCLP SVOC	☐ TCLP Pesticide	☐ TCLP Herbicides (subcontract)	☐ Standard Drinking Water Test	☐ Bacteria P/A
				✓																																																				

TAT REQUESTED
Priority (24 hr) ☐
Expedited (48 hr) ☐
10 Business Days ☑
Other ☐ _____

E-Mail Address: afreeman@esm-inc.com
Quote # _____
PO # _____

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS
☐ FAX ☐ OTHER (specify) _____
☒ PDF ☐ Excel Spreadsheet

RECEIVED ON ICE ☑ YES ☐ NO
TEMPERATURE 4 °C

Lab Use Only

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:	Date	Time
1	Amanda Freeman	11/16/06	1200			
2	Relinquished by:	Date	Time	Received by:	Date	Time
3	Relinquished by:	Date	Time	Received by Laboratory: Thomas M. Sheridan	11-16-06	12:00

Way Bill#: