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

Site:	DND Lewis Chemical					
Lab:	Resource Laboratories, LLC	Lab ID:	10061			
Job #:	2004-301	Sample Collection Date:	3/23/2006			
Were sam	pling and analytical methods requi	rements met?				
Correct cor	ıtainers used?	Yes				
Preservatio	on requirements met?	No *				
0	me requirements met?	Yes				
	Sample received at 9° C because it did not ha		•			
	of dupes, matrix spikes and matrix spike	dupes, trip blanks (based on numb	er of samples)?			
	J/A					
Field Dup(s) vs. Environmental Sample:	RPD <51%?	N/A			
**	RPD Calc: 100*(diff btwn sample & dup)/(av	erage of sample & dup)				
Were the :	following analytical precision and a	accuracy requirements met?				
Detection l	Limits	Yes				
Reporting	Limits	No*				
Action Lim	iits	Yes				
*]	Reporting Limits were high due to necessary	dilutions.				
	b QC reports and project narrative.					
	1	presumptive certainty has been	met. The project narrative explained all non-conformances, see			
	elow:					
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.	3. Samples: The quantitation limit for 4-isopropyltoluene due to possible carryover from a previous sample analysis.					
4.	4. Dilutions performed during the analysis are noted on the result pages.					
Observati	ions?					
	Il notes were reviewed and do not in	ndicate compromised data.				

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID):	10068	
Job #:	2004-301	Sample Collection Date	:	3/23/2006	
Were sam	pling and analytical methods requ	irements met?			
Correct con	ntainers used?	Yes			
Preservatio	on requirements met?	Yes			
Holding ti	me requirements met?	Yes	_		
	of dupes, matrix spikes and matrix spike V/A	e dupes, trip blanks (based on num	ber of samples)?		
Field Dup	(s) vs. Environmental Sample:	RPD <51%?	N/A		
**	*RPD Calc: 100*(diff btwn sample & dup)/(a	verage of sample & dup)			
Were the	following analytical precision and	accuracy requirements met?			
Detection	Limits	Yes			
Reporting	Limits	No*			
Action Lin	nits	Yes			
*	Reporting Limits were high due to necessary	v dilutions.	_		
Review la	ab QC reports and project narrative				
L	ab Data Certification indicates that	presumptive certainty has beer	n met.		
Describe	Non-Conformances				
	. A quadratic curve fit was used in the i Bromomethane, Acetone, Dibromochloro		-	difluoromethane, Chloromethane, Vinyl Chlo exachlorobutadiene.	oride,
2	2. Dilutions performed during the analysis are noted on the result pages.				
Observat	ions?				
A	All notes were reviewed and do not i	indicate compromised data.			

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID):	10070	
Job #:	2004-301	Sample Collection Date	:	3/24/2006	
Were sam	npling and analytical methods requ	irements met?			
Correct con	ntainers used?	Yes	_		
Preservati	on requirements met?	Yes			
Holding ti	me requirements met?	Yes	_		
	of dupes, matrix spikes and matrix spike N/A	e dupes, trip blanks (based on num	ber of samples)?		
Field Dup	(s) vs. Environmental Sample:	RPD <51%?	N/A		
**	*RPD Calc: 100*(diff btwn sample & dup)/(a	verage of sample & dup)	· ·		
Were the	following analytical precision and	accuracy requirements met?			
Detection	Limits	Yes			
Reporting	Limits	No*			
Action Lin	nits	Yes			
*	Reporting Limits were high due to necessary	v dilutions.			
Review la	ab QC reports and project narrative	•			
I	Lab Data Certification indicates that	presumptive certainty has beer	n met.		
Describe	Non-Conformances				
	. A quadratic curve fit was used in the i Bromomethane, Acetone, Dibromochlore		-	odifluoromethane, Chloromethane, Vinyl Chlo exachlorobutadiene.	oride,
2	2. Dilutions performed during the analysis are noted on the result pages.				
Observat	ions?				
A	All notes were reviewed and do not i	ndicate compromised data.			

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID:	10079		
Job #:	2004-301	Sample Collection Date:	3/27/2006		
Were sa	ampling and analytical methods requi	rements met?			
Correct	containers used?	Yes			
Preserva	ntion requirements met?	Yes			
Holding	time requirements met?	Yes			
	# of dupes, matrix spikes and matrix spike on N/A		per of samples)?		
Field Dı	ıp(s) vs. Environmental Sample:	RPD <51%?	N/A		
	**RPD Calc: 100*(diff btwn sample & dup)/(ave	erage of sample & dup)			
Were th	e following analytical precision and a	ccuracy requirements met?			
Detectio	n Limits	Yes			
Reportir	ıg Limits	No*			
Action I	imits	Yes			
	* Reporting Limits were high due to necessary of	lilutions.			
Review	lab QC reports and project narrative.				
	-	resumptive certainty has been	met. The project narrative explained all non-conformances, see		
Decerit	below:				
Descrit	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.				
	 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 analysi	s are noted on the result pages.			
Observ	ations?				

All notes were reviewed and do not indicate compromised data.

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID):	10088	
Job #:	2004-301	Sample Collection Date	:	3/28/2006	
Were sam	pling and analytical methods requ	irements met?			
Correct con	ntainers used?	Yes	_		
Preservatio	on requirements met?	Yes	_		
Holding ti	me requirements met?	Yes			
	of dupes, matrix spikes and matrix spike V/A	e dupes, trip blanks (based on num	ber of samples)?		
Field Dup((s) vs. Environmental Sample:	RPD <51%?	N/A		
**	*RPD Calc: 100*(diff btwn sample & dup)/(a	verage of sample & dup)	/		
Were the	following analytical precision and	accuracy requirements met?			
Detection	Limits	Yes			
Reporting	Limits	No*	_		
Action Lin	nits	Yes			
*	Reporting Limits were high due to necessary	v dilutions.	_		
Review la	ab QC reports and project narrative	•			
L	ab Data Certification indicates that	presumptive certainty has beer	n met.		
Describe	Non-Conformances				
	. VOC: The following compounds were Acetone, Dibromochloromethane, Isopro	1 1		ne, Chloromethane, Vinyl Chloride, Bromometha diene.	ine,
2	. Dilutions performed during the analys	sis are noted on the result pages.			
Observati	ions?				
A	All notes were reviewed and do not i	ndicate compromised data.			

Site:	DND Lewis Chemical			
Lab:	Resource Laboratories, LLC	Lab ID):	10094
Job #:	2004-301	Sample Collection Date	:	3/29/2006
Were sam	pling and analytical methods requ	irements met?		
Correct con	ntainers used?	Yes		
Preservatio	on requirements met?	Yes		
Holding ti	me requirements met?	Yes	_	
	of dupes, matrix spikes and matrix spike V/A	e dupes, trip blanks (based on num	iber of samples)?	
Field Dup((s) vs. Environmental Sample:	RPD <51%?	N/A	
**	*RPD Calc: 100*(diff btwn sample & dup)/(a	verage of sample & dup)	/	
Were the	following analytical precision and	accuracy requirements met?		
Detection	Limits	Yes		
Reporting	Limits	No*	_	
Action Lin	nits	Yes	—	
*	Reporting Limits were high due to necessary	v dilutions.	_	
Review la	ab QC reports and project narrative			
L	ab Data Certification indicates that	presumptive certainty has beer	n met.	
Describe	Non-Conformances			
	. A quadratic curve fit was used in the is Bromomethane, Acetone, Dibromochlore		-	orodifluoromethane, Chloromethane, Vinyl Chlorid Hexachlorobutadiene.
2	. Dilutions performed during the analy	sis are noted on the result pages.		
Observati	ions?			
A	All notes were reviewed and do not i	indicate compromised data.		

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID:	10103		
Job #:	2004-301	Sample Collection Date:	3/27/2006		
Were sa	mpling and analytical methods requi	rements met?			
	containers used?	Yes			
Preserva	tion requirements met?	Yes			
Holding	time requirements met?	Yes			
	# of dupes, matrix spikes and matrix spike N/A	dupes, trip blanks (based on numb	er of samples)?		
Field Du	p(s) vs. Environmental Sample:	RPD <51%?	N/A		
	**RPD Calc: 100*(diff btwn sample & dup)/(ave	erage of sample & dup)			
Were th	e following analytical precision and a	ccuracy requirements met?			
Detection	n Limits	Yes			
Reportin	g Limits	No*			
Action L	imits	Yes			
	* Reporting Limits were high due to necessary	dilutions.			
Review	lab QC reports and project narrative. Lab Data Certification indicates that p below:	resumptive certainty has been i	net. The project narrative explained all non-conformances, see		
Describ	e 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.				
	 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.				
Observa	ations?				
	All notes were reviewed and do not in	dicate compromised data.			

All notes were reviewed and do not indicate compromised data.

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	Lab ID	: 10105
Job #:	2004-301	Sample Collection Date	: 3/31/2006
Were sam	pling and analytical methods requi	irements met?	
Correct con	ntainers used?	Yes	
Preservatio	on requirements met?	No*	
Holding ti	me requirements met?	Yes	_
	Sample received at 12° C because it did not h		•
Correct # o	of dupes, matrix spikes and matrix spike	dupes, trip blanks (based on num	ber of samples)?
N	N/A		
Field Dup((s) vs. Environmental Sample:	RPD <51%?	N/A
**	*RPD Calc: 100*(diff btwn sample & dup)/(av	verage of sample & dup)	
Were the	following analytical precision and a	accuracy requirements met?	
Detection	Limits	Yes	
Reporting	Limits	Yes	-
Action Lin	nits	Yes	-
Review la	ab QC reports and project narrative.		
L	ab Data Certification indicates that p	presumptive certainty has been	met.
Describe	Non-Conformances		
1	. A quadratic curve fit was used in the in	nitial calibration for the following	compounds: Dichlorodifluoromethane, Chloromethane, Vinyl Chloride,
В	Bromomethane, Acetone, Dibromochloro	methane, Isopropylbenzene, Tert-	butylbenzene, and Hexachlorobutadiene.
Observati	ions?		
A	All notes were reviewed and do not in	ndicate compromised data.	

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	Lab ID:	10154
Job #:	2006-056	Sample Collection Date:	04/06/06 - 04/07/06
Were san	npling and analytical methods requir	ements met?	
Correct co	ontainers used?	Yes	
Preservati	ion requirements met?	Yes	
Holding t	ime requirements met?	Yes	
	of dupes, matrix spikes and matrix spike a DUP (VPH) and MS/MSD included w		er of samples)?
Field Dup	p(s) vs. Environmental Sample:	RPD <51%?	Yes
k	**RPD Calc: 100*(diff btwn sample & dup)/(aver	age of sample & dup)	
Were the	e following analytical precision and a	ccuracy requirements met?	
Detection	Limits	Yes	
Reporting	Limits	No*	
Action Lin	mits	Yes	
*	* Reporting Limits were high due to necessary di	lutions.	
	recoveries. It is suspected that this may have volume. 2. VOC 8260: LCS 10154-53 did not meet ac dichloropropane, and dichlorodifluoromet LCS 10154-57 did not meet the acceptance l acceptance criteria due to a low recovery ir 3. EPH: The fractionation check sample (L 4. VPH Target compounds and renges wer method of 2/2000. 5. PCB: The sample peaks most closely res Aroclor identification is difficult and not al report pages. Quantification is quadratic.	ve been caused by matrix interference criteria for dichlorodiflu comptance criteria for dichlorodiflu hane. The RPD for styrene did no imits for 2,2-dichloropropane, and the LCSD. These coumpunds no CS) for the batchof silica gel in using the determined by GC/MS. Ranges combled Aroclor 1242, however the psolute. Chromatograms are provuu antifies with quadratic fit: Dichlor	ance criteria: 10154-05, 07, 08, and 09. All other batch QC has acceptable ence. The samples could not be re-extracted due to insufficient sample toromethane. LCS 10154-51 did not meet the acceptance limits for 2,2- t meet the acceptance criteria, however both recoveries were acceptable. I dichlorodifluoromethane. The RPD for styrene did nto meet teh ted with failures are known to be problematic in the method. I e for these samples met the method acceptance criteria. Is were determined in a similar manner as described in the MassDEP APH ere was also a similarity to Aroclor 1248. Possibly due to weathering, the ided. Samples that contained non-aroclor peaks have been noted on the prodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, I Hexachlorobutadiene.
	7. Dilutions performed during the analysis	are noted on the result pages.	
Observat		1	
L	All notes were reviewed and do not in	dicate compromised data.	

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID:	10170		
Job #:	2006-056	Sample Collection Date:	4/10/2006		
Were sa	ampling and analytical methods requi	rements met?			
Correct	containers used?	Yes			
Preserva	ation requirements met?	Yes			
Holding	time requirements met?	Yes			
Correct	# of dupes, matrix spikes and matrix spike	dupes, trip blanks (based on numb <u>er of sa</u> r	mples)?		
Field Di	up(s) vs. Environmental Sample:	RPD <51%?			
	**RPD Calc: 100*(diff btwn sample & dup)/(ave	erage of sample & dup)			
Were tl	he following analytical precision and a	ccuracy requirements met?			
Detectio	on Limits	Yes			
Reportin	ng Limits	No*			
Action 1	Limits	Yes			
	* Reporting Limits were high due to necessary	lilutions.			
Review	a lab QC reports and project narrative.				
	1	resumptive certainty has been met. The	he project narrative explained all non-conformances, see		
	below:				
Describ	be Non-Conformances				
	1. VOC: The continuing calibration verific this window. All calibration check compo		nce criteria (69%). Samples 10170-01, 03, & 04 were analyzed in urther 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, Bromomethan 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 custom	er.			
Observ	vations?				
	All notes were reviewed and do not ir	dicate compromised data.			

Site:	DND Lewis Chemical				
Lab:	Resource Laboratories, LLC	Lab ID:	10171		
Job #:	2006-056	Sample Collection Date:	4/10/2006		
Were sa	ampling and analytical methods require	ements met?			
Correct	containers used?	Yes			
Preserva	ation requirements met?	Yes			
Holding	time requirements met?	Yes			
Correct	# of dupes, matrix spikes and matrix spike d	upes, trip blanks (based on number	of samples)?		
Field Di	up(s) vs. Environmental Sample:	RPD <51%?			
	**RPD Calc: 100*(diff btwn sample & dup)/(aver	age of sample & dup)			
Were tl	he following analytical precision and ac	curacy requirements met?			
Detectio	on Limits	Yes			
Reportin	ng Limits	No*			
Action l	Limits	Yes			
	* Reporting Limits were high due to necessary d	lutions.			
Describ	 analyzed in this window. All calibration cl 2. EPH: The following samples had surrog suspected that this may have been caused l 3. VOC 8260: LCS 10171-51 did not meet ad 	neck compounds (CCC) met acceptar ates trhat did not meet the acceptar by matrix interference. The samples acceptance criteria for dichlorodifluo ane, styrene, and dichlorodifluoron	nce criteria: 10171-09. All other batch QC has acceptable recoveries. It is s could not be re-extracted due to insufficient sample volume. promethane and acetone. LCS 10171-53 did not meet the acceptance nethane. The RPD for styrene did not meet the acceptance criteria.		
	4. EPH: The fractionation check sample (L	CS) for the batchof silica gel in use	for these samples met the method acceptance criteria.		
	 VPH Target compounds and renges wer method of 2/2000. 	e determined by GC/MS. Ranges v	were determined in a similar manner as described in the MassDEP APH		
	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 q Acetone, Dibromochloromethane, Isopropy	•	odifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Hexachlorobutadiene.		
	8. Dilutions performed during the analysis	are noted on the result pages.			
	9. RCRA metals only were requested by th	e customer			
Observ	vations?				
	All notes were reviewed and do not inc	licate compromised data.			

Site:	DND Lewis Chemical		
Lab:	Resource Laboratories, LLC	Lab ID:	11371
Job #:	2006-056	Sample Collection Date:	11/15/2006
Were sam	npling and analytical methods requi	rements met?	
Correct co	ntainers used?	Yes	
Preservati	on requirements met?	Yes	
Holding ti	me requirements met?	Yes	
	of dupes, matrix spikes and matrix spike N/A	dupes, trip blanks (based on number	r of samples)?
Field Dup	(s) vs. Environmental Sample:	RPD <51%?	
**	*RPD Calc: 100*(diff btwn sample & dup)/(av	erage of sample & dup)	
Were the	following analytical precision and a	accuracy requirements met?	
Detection	Limits	Yes	
Reporting	Limits	Yes	
Action Lin	nits	Yes	
Review la	ab QC reports and project narrative.		
Ι	ab Data Certification indicates that p	presumptive certainty has been m	net. The project narrative explained all non-conformances, see
	pelow:		
Describe	Non-Conformances		
			dibromo-3-chloropropane. LCSD 0403790 did not meet acceptance are know to be problematic in the method.
2	2. Dilutions performed during the analys	is are noted on the result pages.	
Observat	ions?		
A	All notes were reviewed and do not in	ndicate 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

2-2-15

Date

Total number of pages

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Resource Laboratories, LLC Certifications

New Hampshire 1732 Maine NH903 Massachusetts M-NH902

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	Quantitation Lin	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ū	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	lsopropylbenzene	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	υ	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	Ú	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	Ū	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	υ	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 (%)			
dibramafluaramathana	(,,,)	70 444			

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

RESOURCE LABORATORIES, LLC.

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												
Project Locati	on Hyde Park		Project #				`					
This form pro	This form provides certifications for the following data set in the Lab # referenced above (see Chain of											
	This form provides certifications for the following data set in the Lab # referenced above (see Chain of Custody for samples numbers)											
		ater (x) Soil/Se	diment () D	rinking	Water () Other:						
-		、 <i>`</i>		0								
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()					
846 Methods	8270 ()	VPH ()	7470/747	l ()	Other	()	Other ()					
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()					
А	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody Yes (x) No ()											
		n that described		or Custo	ay	Yes (x)	No ()					
В		C procedures r		specifi	ed							
	-	hod(s) included	*	-		Yes (x)	No ()					
		requirement to n	÷									
	QC data that d	lid not meet app	ropriate perfor	mance								
	standards or g											
С		included in this										
		for "Presumptive				Yes (x)	No ()					
), (b), (c) and (d) Quality Assurar										
		the Acquisition	-	•								
	Data?"	ine riequisition	und reporting	5 01 1 111	ar y croar							
D		methods only:	Was the VPH	or EPH	I	Yes ()	No () NA					
	method run wi	thout significant	t modification	s? (see	Section							
	11.3 of respect											
Е	~ ^	performance star		ommen	dations							
	······································	ed methods achie	***	1 .	<u> </u>	Yes ()	$\frac{No(x)}{Nic(x)}$					
F		or all analyte-lis		element	s for	Yes (x)	No ()					
	the specified method(s) reported?											
							personal inquiry					
L		U U			iamea m	this analy	tical report is, to					
the best of my knowledge and belief, accurate and complete.												

Signature: funnelly lu

Position: Lab Director

Printed Name: Susan C. Sylvester

Date: $2 - \partial - \partial - \partial \gamma$

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	Quantitation Lin	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	102	78-114			
	10E	10 114			

U = Below quantitation limit

4-bromofluorobenzene

108

98

88-110

86-115

toluene-D8

Lab Number: Sample Designation: File Name: D

10061-51 Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\MAR06\032306\V3032322.D

3/23/06

File Name:	C:
Date Analyzed:	3/
SW 846 Method 5030B/8260B	

Compound	Amount Found	CS % Recovery	- Amount Found	CSD % Recovery	F
dichlorodifluoromethane	17	86%	17	83%	:
chloromethane	20				
		98%	18	91%	1
vinyl chloride	23	115%	21	106%	1
promomethane	16	79%	16	82%	
chloroethane	20	100%	19	97%	:
richlorofluoromethane	21	104%	20	99%	:
liethylether	21	103%	21	104%	
acetone	17	83%	16	81%	:
,1-dichloroethene	21	105%	20	98%	
nethylene chloride	22	108%	21	104%	
arbon disulfide	20	99%	18	92%	•
nethyl-t-butyl ether (MTBE)	41	103%	40	101%	:
rans-1,2-dichloroethene	21	105%	20	101%	
sopropyl ether (DIPE)	21	106%	20	103%	
())					
thyl-t-butyl ether (ETBE)	20	100%	20	102%	:
,1-dichloroethane	20	101%	20	100%	
butanol (TBA)	89	89%	89	89%	
2-butanone (MEK)	18	92%	18	88%	
2,2-dichloropropane	21	104%	19	96%	1
is-1,2-dichloroethene	22	112%	21	106%	1
hloroform	22	109%	21	107%	1
romochloromethane	22	109%	22	108%	:
etrahydrofuran (THF)	19	96%	19	96%	(
,1,1-trichloroethane	21	103%	20	102%	
,1-dichloropropene	21	106%	20	102%	;
amyl-methyl ether (TAME)	20	101%	20	99%	:
arbon tetrachloride	18	88%	17	87%	
,2-dichloroethane	21	105%	20	100%	
enzene	22	108%	20	102%	
ichloroethene	21	103%	21	104%	
	21				
,2-dichloropropane		103%	20	100%	:
romodichloromethane	18	92%	18	92%	(
ibromomethane	22	110%	22	108%	2
-methyl-2-pentanone (MIBK)	19	95%	19	96%	
is-1,3-dichloropropene	20	100%	20	99%	
oluene	22	108%	20		
				101%	
ans-1,3-dichloropropene	18	92%	18	92%	(
-hexanone	18	91%	17	87%	
,1,2-trichloroethane	21	106%	21	105%	
,3-dichloropropane	21	106%	21	103%	;
etrachloroethene	21	107%	20	102%	
libromochloromethane	19	93%	19	94%	(
,2-dibromoethane (EDB)	21	104%	20	102%	2
hlorobenzene	21	104%	20	100%	
1,1,2-tetrachloroethane	20	100%	19	94%	(
thylbenzene	22	108%	20	99%	ç
•					
1&p-xylenes	44	109%	41	103%	6
-xylene	22	108%	21	103%	5
tyrene	21	106%	19	97%	9
romoform	18	89%	18	91%	
opropylbenzene	23	113%	22	108%	1
1,2,2-tetrachloroethane	19	95%	18	92%	:
,2,3-trichloropropane	19	94%	18	91%	:
-propylbenzene	21	106%	21	103%	;
romobenzene	21	104%	20	102%	
3,5-trimethylbenzene	21	104%	20	98%	(
chlorotoluene	21	105%	20	98%	-
chlorotoluene	20	102%	19	96%	(
rt-butylbenzene	19	97%	19	95%	:
2,4-trimethylbenzene	21	106%	20	102%	
ec-butylbenzene	21	103%	20		
				99%	
3-dichlorobenzene	20	101%	20	98%	:
isopropyltoluene	22	110%	22	109%	
4-dichlorobenzene	19	97%	19	96%	
2-dichlorobenzene	21	104%	20	99%	(
butylbenzene	22		20		
•		109%		104%	!
2-dibromo-3-chloropropane (19	93%	19	93%	(
2,4-trichlorobenzene	18	92%	18	91%	
exachlorobutadiene	20	98%	19	96%	2
aphthaiene	16	78%	16	78%	
,					
2,3-trichlorobenzene	19	93%	19	94%	2
4-dioxane	39	97%	35	87%	1
URROGATE STANDARDS					
		1000/		1000/	
S dibromofluoromethane		102%		100%	
S toluene-D8		106%		100%	

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

	RECORD						Priority (24 hr) 🛒	TAT REQUESTED											10061-01 ESM	Lab Sample ID (Lab Use Only)		0	Project Manager:	TV0	Company Address:	Company Name:			
	Relinquished by:	Relinquished by		₽O #	Quote #	E-Mail Address Jalahanes Continues									- - - - 				[J-3-03](21-3)	Field		allahan		すらいうか			Phone: 603-436-2001 •	Kesource Laboratories, 124 Heritage Avenue · Portsmouth. NH (1
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			Y.	el Sp	Ē C	Z N T	5	RUG										:		OTHER (Specify)				5	Stat	i y			
	Date	Date	Date 23/0(<i>j</i> ,	Excel Spreadsheet	□ OTHER (specify)	REPORTING INSTRUCTIONS	Sample per instructions	SPECIAL INSTRUCTIONS											an Rak		SDWA I	2004-301	-	AAA	ation (City, State):	Phone #: 50%-285-970-2			
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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, Reșource Laboratories, LLC

Susan Sylvester Principal, General Manager

2-	2-07

Date

Total number of pages

8

Resource Laboratories, LLC Certifications

New Hampshire 1732 Maine NH903 Massachusetts M-NH902

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	Quantitation Lir	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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			

U = Below quantitation limit

4-bromofluorobenzene

104

100

88-110

86-115

toluene-D8

Quality Control Report

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RESOURCE LABORATORIES, LLC.

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 MC	P Analytical M	lethod Report	Certification	Form			
Laboratory Na	me: Resource	Laboratories, L	LC			Lab # 10	068
Project Locati	on Hyde Park		Project #			MADEP	RTN (if
I Ioject Locati	on myder ark		110jeet #			available	
This form prov	vides certificati	ons for the follo	wing data set	in the L	ab # refe	renced abo	ove (see Chain of
Custody for sa	imples numbers	5)					
Sample Matric	ces: Groundwa	ter (x) Soil/S	ediment () D	rinking	Water () Other:	
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()
846 Methods	8270 ()	VPH ()	7470/747	1 ()	Other	()	Other ()
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()
A	Were all samm	les received by	the laboratory	in a co	 ndition		
**	consistent with	h that described		Yes (x)	No ()		
		n for the data se		1.0	• 1		******
В	Were all QA/C	QC procedures the hod(s) included	required for th	e specifi	led d	Yes (x)	No ()
	including the	requirement to r	ote and discu	ss in a n	u, arrative		
		lid not meet app			ununve		
	standards or g		1 1				
С		included in this	*		-		
		or "Presumptiv				Yes (x)) No()
	Section 2.0 (a)), (b), (c) and (d	l) of the MAD	EP docu	iment		
	CAM VII A,	Quality Assura the Acquisition	nce and Quali	ty Conti	01 alvtical		
	Data?"	the Acquisition	i and Reportin		aryticar		
D		[methods only:	Was the VPH	I or EPI	Ŧ	Yes ()	No () NA
		ithout significar					
	11.3 of respec	tive Methods)					
Е		performance sta		commer	ndations	sr / \	
	A	ed methods ach		/_1	for	Yes (x)	
F		or all analyte-li nethod(s) repor	*	element	s ior	Yes (x) No ()
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	knowledge and					·····	······································
		WARNESS OF A DESCRIPTION OF A DESCRIPTIO					

Signature: Jusn. C.l. Und

Printed Name: Susan C. Sylvester

Position: Lab Director

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	Quantitation Lin	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	98	78-114			
toluene-D8	103	88-110			
A h	100				

U = Below quantitation limit

100

86-115

4-bromofluorobenzene

Lab Number: Sample Designation: File Name: Date Analyzed: SW 846 Method 5030B/8260B

10068-51 Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\MAR06\032406\V3032424.D 3/24/06

Compound	LC: Amount Found	% Recovery	Amount Found	CSD % Recovery	F
lichlorodifluoromethane	17	83%	Amount Pound 18	88%	
hloromethane	19	93%	19	94%	
inyi chloride	22				
-		109%	23	117%	
romomethane	15	76%	16	81%	
hloroethane	19	95%	19	97%	
ichlorofluoromethane	20	102%	21	106%	
iethylether	21	104%	21	103%	
cetone	16	80%	16	79%	
.1-dichloroethene	20	99%	21	103%	
nethylene chloride	21	106%	21	105%	
arbon disulfide	19	95%	19	96%	
	40				
nethyl-t-butyl ether (MTBE)		100%	40	99%	
ans-1,2-dichloroethene	20	100%	21	106%	
opropyl ether (DIPE)	21	105%	20	102%	
thyl-t-butyl ether (ETBE)	21	104%	21	105%	
,1-dichloroethane	20	100%	20	102%	
butanol (TBA)	88	88%	86	86%	
butanone (MEK)	17	86%	17	86%	
2-dichloropropane	19	96%			
			20	98%	
s-1,2-dichloroethene	21	105%	21	105%	
nloroform	21	105%	21	107%	
romochloromethane	21	105%	22	109%	
trahydrofuran (THF)	19	94%	18	92%	
1,1-trichloroethane	20	99%	21	106%	
1-dichloropropene	21	104%	22	110%	
amyl-methyl ether (TAME)	19	97%			
			21	103%	
arbon tetrachloride	17	83%	18	91%	
2-dichloroethane	21	103%	20	102%	
enzene	21	104%	21	105%	
chloroethene	20	101%	22	108%	
2-dichloropropane	20	100%	20	102%	
omodichloromethane	18	90%	19	95%	
bromomethane	21	107%	22	109%	
methyl-2-pentanone (MIBK)	19	96%			
			18	92%	
s-1,3-dichloropropene	20	99%	20	102%	
luene	20	101%	20	102%	
ans-1,3-dichloropropene	18	92%	18	92%	
hexanone	18	88%	17	85%	
1,2-trichloroethane	21	103%	21	103%	
3-dichloropropane	21	104%	20	102%	
trachloroethene	21	103%	21	107%	
bromochloromethane	19	94%			
			18	92%	
2-dibromoethane (EDB)	20	102%	20	99%	
lorobenzene	20	100%	20	101%	
1,1,2-tetrachloroethane	19	95%	19	97%	
nylbenzene	21	104%	21	104%	
&p-xylenes	43	106%	43	107%	
xyiene	21	105%	21	107%	
rene					
	20	98%	21	105%	
omoform	18	91%	18	89%	;
propylbenzene	22	111%	22	109%	:
1,2,2-tetrachloroethane	18	89%	18	91%	;
2,3-trichloropropane	18	92%	18	88%	
propylbenzene	21	105%	21	107%	:
omobenzene	21	104%	20		
3.5-trimethylbenzene				102%	1
	20	99%	20	102%	:
chiorotoluene	19	96%	20	102%	
chlorotoluene	21	104%	20	100%	
t-butylbenzene	19	94%	19	97%	:
2,4-trimethylbenzene	20	102%	20	102%	(
c-butylbenzene	20	100%	20	102%	:
-dichlorobenzene	19				
		97%	20	99%	:
sopropyltoluene	21	106%	22	109%	;
-dichlorobenzene	19	93%	19	97%	5
-dichlorobenzene	20	99%	20	101%	:
utylbenzene	21	103%	22	111%	1
-dibromo-3-chloropropane (18	92%	19	93%	
4-trichlorobenzene	18	90%	19	93%	:
kachlorobutadiene	19	97%	20	100%	:
phthalene	15	76%	15	76%	(
,3-trichlorobenzene	18	91%	18	92%	
-dioxane	33	83%	36	91%	9
		*		0170	
RROGATE STANDARDS					
dibromofluoromethane		98%		100%	
dibromonuoromethane					
toluene-D8		101%		103%	
		101% 105%		103% 101%	

Interest by Benders Characteristic Characte			CUSTODY	-	PO #	Other		4					-01 EXM-	Sample ID (Lab Use Only)		14	Se Callebar	Project Manager:	Company Address:	Company Name:				
LLC CHARACTER CONTRACT CONTRACT<		Relinquished by:	Relinquished by:	diutes	412	te #	ail Address						۲	# CONTAIN WATER SOLID OTHER	Matrix			St Worton MA	Twenter carles and		Fax: 603	inue •		
Normality Normality Normality Normonin Normality			レン/ <i>び</i> ょ	-		HEPCHTING INSTRUCTIONS		SECIAL INSTRUCTIONS					1400	H2SO4 ICE MeOH OTHER (Specify) DATE TIME		MCP NHDES		roject ID / Name:	AX #: うひよ とうろ ーイハン ナ ite Location (City, State):	hone #: 508-285-9 Act	430-2100	h, NH 03801	nes, LLC	
	C. Ash Martin Contraction	and All Anno Date Date	Received by: Date Date	Received by:	1.0	ND VES DNO								VOC-NH Hazar VOC-NH Petrol VOC 8260 VOC 8260 BTE VOC 524.2 TPH 8100 8082 PCB 0 & 0.6 1664 0 H BTS 0 RCRA Metals Total Metals-list Arnmonla Cyanide Suide Nitrate Nitrate	Jous Waste eum & Haz VOC80156 X, MIBE, N. VOC 524.: MEDR0 L270ABN 8081 Pest O&G SM5 Con TS Priority Dissc COD Phenol (Iffide Ie TCLP VC	e Remediali Waste Full SRO U V aphthalene 2 NH Petro DRO 801 625 icides U 520F ductivity Pollutant N polved Metal subcontrac	on Sho List I OC 624 only I leum 8 15 608 Aetals s-list I) I) Sullate active S	MADE MADE MADE Maz.Was Haz.Was EPH TAL N TAL N S- []gr	260 + 0; ste Full L Atetals	cist		IS REQUEST	STODY RECORD	PAGE

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 Maine NH903 Massachusetts M-NH902

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	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	Ů	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	υ	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	Ú.	400
carbon tetrachloride	U	400	4-isopropyltoluene	U	400
1,2-dichloroethane	1500	400	1,4-dichlorobenzene	υ	400
benzene	U	400	1,2-dichlorobenzene	Ū	400
trichloroethene	50000	400	n-butylbenzene	U	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	Ŭ	400
bromodichloromethane	Ŭ	400	1,2,4-trichlorobenzene	Ū	400
dibromomethane	Ū	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	Ŭ	2000	naphthalene	Ŭ	1000
cis-1,3-dichloropropene	Ŭ	400	1,2,3-trichlorobenzene	Ū	400
toluene	1200	400	1,4-dioxane	Ū	10000
	1200	100	III alonallo	U	,
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	101	78-114			
toluene-D8	104	88-110			
4-bromofluorobenzene	99				
4-010110110000126116	ษษ	86-115	·		

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U = Below quantitation limit

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Qualit

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.

<u>Other</u>

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.

MADEP MC	P Analytical M	lethod Report (Certification	Form	67699209777787978207		
	ame: Resource					Lab # 10	0070
Desired Level			Ducies 4 ll				DTNI (:f
Project Locati	on Hyde Park		Project #			MADEP available	
This form pro	vides certificati	ons for the follo	wing data set	in the I	ah # refe		ove (see Chain of
	amples numbers		wing data set				
X	ces: Groundwa		ediment () D	rinking	Water () Other:	
	oround in			B	() ator () other	
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()
846 Methods	8270 ()	VPH ()	7470/747	1 ()	Other	()	Other ()
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()
				the state of the state of the			
Α	Were all samp	les received by	the laboratory	in a co	ndition		
	consistent with	n that described	ody	Yes (x) No()			
		for the data set					
В		2C procedures r	-	-			
	•	hod(s) included	*			Yes (x)	No ()
	-	equirement to n			arrative		
	standards or g	id not meet app	ropriate perio	rmance			
С		included in this	report meet al	I the an	alvtical		
C		or "Presumptive				Yes (x)	No ()
		, (b), (c) and (d)					
		Quality Assurat					
		the Acquisition	and Reportin	g of An	alytical		
	Data?"						
D		methods only:				Yes ()	No () NA
		thout significan	t modification	is? (see	Section		
	11.3 of respect	·····			1.4		
Е	~ .	performance star		commen	luations	Yes (x)	No ()
F	A	ed methods achior all analyte-lis		element	s for	$\frac{1 \text{ es}(x)}{\text{ Yes}(x)}$	
۲.		nethod(s) report		CICINCIII	5 101		
T the providence of the second					at bass		nomonal inquire
							personal inquiry tical report is, to
	knowledge and				tameu m	uns analy	
the best of my	KIIO WIEUge allu	ocher, accurate	and complete	<i></i>			

Signature: Resulted

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	Quantitation Lim	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	ບ	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	Acceptanc	e Limits		
	(%)	(%)			
dibromofluoromethane	98	78-114			

U = Below quantitation limit

4-bromofluorobenzene

101

101

88-110

86-115

toluene-D8

Lab Number: Sample Designation: File Name; Date Analyzed: SW 846 Method 5030B/8260B

10070-51 Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\032806\V3032824.D 3/28/06

Compound	LCS Amount Found	% Recovery		SD V Barovaru	F
dichlorodifluoromethane	Aniouni Founa 18	% Recovery 92%	Amount Found	% Recovery	
chloromethane	20	101%	18	90%	
			20	99%	
vinyi chloride	23	115%	23	114%	
bromomethane	19	95%	19	96%	
chloroethane	21	106%	21	103%	
trichlorofluoromethane	22	112%	22	108%	
diethylether	21	103%	22	111%	
acetone	17	87%	17	86%	
1,1-dichloroethene	22	109%	21	105%	
methylene chloride	23	116%	23	113%	
carbon disulfide	20				
		101%	20	98%	
methyl-t-butyl ether (MTBE)	41	103%	41	103%	
trans-1,2-dichloroethene	22	110%	21	105%	
sopropyl ether (DIPE)	21	107%	22	111%	
elhyl-t-butyl ether (ETBE)	22	109%	21	105%	
1,1-dichloroethane	21	107%	21	105%	
-butanol (TBA)	85	85%	87	87%	
2-butanone (MEK)	18	89%	18	90%	
2,2-dichloropropane	20	99%	19	94%	
cis-1,2-dichloroethene	23	116%	23	114%	
chloroform	22	110%	22	109%	
promochloromethane	23	113%	23	114%	
etrahydrofuran (THF)	17	87%	18	90%	
1,1-trichloroethane	21	106%	21	103%	
1-dichloropropene	23				
		114%	21	107%	
-amyl-methyl ether (TAME)	21	105%	21	104%	
arbon tetrachloride	18	92%	18	92%	
,2-dichloroethane	21	107%	21	103%	
enzene	22	109%	21	107%	
richloroethene	23	115%	22	109%	
2-dichloropropane	21	107%	21	107%	
romodichloromethane	19	95%	20	98%	
ibromomethane					
	23	113%	23	113%	I
-methyl-2-pentanone (MIBK)	19	97%	19	96%	
ls-1,3-dichloropropene	21	106%	21	106%	
bluene	23	114%	22	110%	
ans-1,3-dichloropropene	19	96%	19	97%	
-hexanone	17	84%	17	87%	
,1,2-trichloroethane	22	109%	22		
,3-dichloropropane				111%	
	22	108%	20	102%	1
atrachloroethene	29	146% #	25	125%	1
bromochloromethane	19	97%	20	98%	:
2-dibromoethane (EDB)	21	105%	21	104%	
hlorobenzene	21	106%	20	100%	
1,1,2-tetrachloroethane	20	102%	20	89%	
hyibenzene	22	109%	21	103%	
&p-xylenes					
	44	109%	42	105%	
xylene	22	109%	21	104%	1
yrene	20	100%	20	102%	:
omoform	18	92%	19	93%	:
opropylbenzene	23	114%	22	112%	
1,2,2-tetrachloroethane	18	91%	18	90%	
2,3-trichloropropane					
	18	89%	17	86%	;
propylbenzene	22	109%	21	105%	:
omobenzene	22	108%	21	105%	;
3,5-trimethylbenzene	20	102%	20	99%	:
chlorotoluene	21	103%	20	99%	4
chlorotoluene	21	104%	20	99%	
rt-butylbenzene	20	99%			
			19	94%	(
2,4-trimethylbenzene	21	106%	20	100%	(
c-butylbenzene	20	102%	20	98%	
3-dichlorobenzene	20	102%	20	100%	:
sopropylloluene	22	111%	21	107%	
1-dichlorobenzene	20	100%	19	97%	:
2-dichlorobenzene	21	106%	20	100%	ŧ
putylbenzene	22	110%	20	103%	i
2-dibromo-3-chloropropane (
	18	88%	18	92%	4
2,4-trichlorobenzene	18	92%	18	89%	3
xachlorobutadiene	20	100%	19	94%	6
phthalene	15	75%	15	76%	1
2,3-trichlorobenzene	19	93%	18	89%	4
l-dioxane	34	85%			
		00/0	34	86%	C
IRROGATE STANDARDS					
dibromofluoromethane		98%		103%	
toluene-D8		105%		105%	
6 4-bromofluorobenzene		105%		107%	

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.

			CUSTODY		Other Duote #	Priority (24 hr) Źゴ Expedited (48 hr) □ 10 Business Davs □ E-N	TAT REQUESTED					19070-01 ESM-0	<u>y</u> 9		Invoice To: とらっん	Joe (all	184 West Mains	Company Address:	Company Name:			
	Relinquished by:	Heiinquisned by:	Relinquished by Sampler:	i 1	# fe ##	E-Mail Address						ESM-0333(40-55) 2-1-	# CONTAIN WATER SOLID OTHER			Callabran /	- Mainst North MA	In Junates es July in	$^{\wedge}$	124 Heritage Avenue • Portsmi Phone: 603-436-2001 • Fax: 60	Resource Laboratories,	
						per sites	SPECIAL INSTRUCTIONS				 		HCI HNO3 H2SO4 ICE MeOH	Preservation Method	Protocol: RCRA	WD Lewys	Hyde Rick	FAX #: (ソンズ シンン) = パイン ナー Site Location (City, State):	Phone #: 508 28	Portsmouth, NH 03801 Fax: 603-430-2100	ories, LLC	
	Date	Date	Ti 1/1/ Date 2/1/1/		g	site specific agreement	AUCTIONS					3/24/16 12.30	OTHER (Specify) DATE TIME	n Sampling	, SDWA NPDES NHDES OTHER	2004-301	MA	<u>) - 作い ナ</u> State):	00262			
	Time	Time	E Lime	508 28	ity call	ement						0 PS	SAMPLER							USX6M		
Way Bill#:	Received by Laboratory:	· · ·	Received by: Date	Say 285 9 Jean TEMPERATURE		TAT- AS AP							VOC-NH Petrole VOC-NH Petrole VOC-NH Petrole VOC 8260 IV VOC 8260 BTEX VOC 8260 BTEX VOC 524.2 I TPH 8100 N 8270PAH 8 8082 PCB 8 0&G 1664 I PH B0D TSS TDS I RCRA Metals Total Metals-list Ammonia C T-Phosphate I Cyanide Sul	lous Waste aum & Haz VOC8015G (, MIBE, Na VOC 524.2 MEDRO [270ABN [3081 Pesti 0&G SM52 [0&G SM52 [0&G SM52 [0 Disso 0D 1 Phenol (s ficle e [] Orth Reactive Cl	Remediate Waste Full RO VC aphthalena VC aphthalena VC 2 NH Petrol DRO 801: DRO 801: G25 cides I G25 G26 cides I Guotivity Intervention Pollutant M Ived Metals subcontract Intervention N Istance	elals [] 	MADEP VOC 82 iz. Wast H TAL Me Bromic	60 + Ox e Full Li	ygenales ist	—		
 		- _			Lab Use Only								🗆 TCLP Pesticide Grab (G) от Соп	C TCLP I			ac!)					

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	
		\sim	

Date

Total number of pages

Resource Laboratories, LLC Certifications

New Hampshire 1732 Maine NH903 Massachusetts M-NH902

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	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	ປ	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)	Ú	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethane	· υ	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	ບໍ່	400	bromobenzene	U	400
cis-1,2-dichloroethene	460	400	1,3,5-trimethylbenzene	Ú	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)	υ	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	Acceptant	ce Limits		
······································	(%)	(%)			
dibromofluoromethane	100	78-114		a.	
toluene-D8	100	88-110			
4-bromofluorobenzene	104	86-115			
	100	00-110			

(

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.

<u>Other</u>

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 MC	P Analytical M	lethod Report (Certification	Form										
MADEP MCP Analytical Method Report Certification FormLaboratory Name: Resource Laboratories, LLCLab # 10079														
	Draiget Logetien Hude Dark Draiget # MADED DTN /:6													
Project Location Hyde Park Project # MADEP RTN (if														
This form provides certifications for the following data set in the Lab # referenced above (see Chain of														
	mples numbers		wing data set	III the L	ad # lele	Tenceu au	ove (see Chann of							
		ater (x) Soil/Se	ediment () [Drinking	Water () Other:								
Sumpto mum	orounand				() ator () 0111011								
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()							
846 Methods	8270 ()	VPH ()	7470/747	1 ()	Other	()	Other ()							
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()							
						an a								
А														
	consistent with that described on the Chain of Custody Yes (x) No ()													
	documentation for the data set?													
В	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed,Yes (x) No()													
		requirement to n				Yes (x)	No ()							
	•	id not meet app												
	standards or g		iopitate perio	11110100										
С	π	included in this	report meet a	ll the an	alytical									
		for "Presumptive				Yes (x)	No ()							
		, (b), (c) and (d)												
	CAM VII A, "	Quality Assurat	nce and Quali	ty Contr										
	Data?"	the Acquisition	and Reportir	ig of An	alytical									
D		methods only:	Was the VPI	I or FPF	4	Yes ()	No()NA							
		thout significan				100()								
	11.3 of respect	•												
Е		performance sta	ndards and re	commer	dations									
		ed methods achi				Yes ()	No (x)							
F		or all analyte-lis	~	element/	s for	Yes (x)	No ()							
	the specified n	nethod(s) report	ed?											
· · · · · · · · · · · · · · · · · · ·		•		• •			personal inquiry							
					tained in	this analy	tical report is, to							
the best of my	knowledge and	l belief, accurate	e and complet	e.										

Signature: Jusurl Lylu

Printed Name: Susan C. Sylvester

Position: Lab Director

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:	L.MM

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lir	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	ce Limits		
	(%)	(%)			
dibromofluoromethane	98	78-114			

U = Below quantitation limit

4-bromofluorobenzene

101

101

88-110

86-115

toluene-D8

Lab Number: 4 Sample Designation: 1 File Name: 6 Date Analyzed: 3 SW 846 Method 5030B/8260B

10079-51 Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\032806\V3032824.D 3/28/06

Compound	LCS Amount Found	% Recovery	Amount Found	CSD % Recovery	ł
dichlorodifluoromethane	18	92%	18	90%	
chloromethane	20	101%	20	99%	
vinyl chloride	23	115%	23	114%	
bromomethane	19	95%	19	96%	
chloroethane	21	108%	21	103%	
trichlorofluoromethane	22	112%	21	108%	
diethylether	21	103%			
acetone	17		22	111%	
1,1-dichloroethene	22	87%	17	86%	
methvlene chloride		109%	21	105%	
carbon disulfide	23	116%	23	113%	
	20	101%	20	98%	
methyl-t-butyl ether (MTBE)	41	103%	41	103%	
rans-1,2-dichloroethene	22	110%	21	105%	
sopropyl ether (DIPE)	21	107%	22	111%	
athyl-t-butyl ether (ETBE)	22	109%	21	105%	
1,1-dichloroethane	21	107%	21	105%	
-butanol (TBA)	85	85%	87	87%	
2-butanone (MEK)	18	89%	18	90%	
2,2-dichloropropane	20	99%	19	94%	
is-1,2-dichloroethene	23	116%	23	114%	
chloroform	22	110%	22	109%	
promochloromethane	23	113%	22	114%	
etrahydrofuran (THF)	17	87%	23 18		
,1,1-trichloroethane	21			90%	
		106%	21	103%	
,1-dichloropropene	23	114%	21	107%	1
amyl-methyl ether (TAME)	21	105%	21	104%	
arbon tetrachloride	18	92%	18	92%	
,2-dichloroethane	21	107%	21	103%	
enzene	22	109%	21	107%	:
Ichloroethene	23	115%	22	109%	ł
,2-dichloropropane	21	107%	21	107%	(
romodichloromethane	19	95%	20	98%	:
Ibromomethane	23	113%	23	113%	(
-methyl-2-pentanone (MIBK)	19	97%	19	96%	
s-1,3-dichloropropene	21	106%	21	106%	(
bluene	23	114%	22	110%	
ans-1,3-dichloropropene	19	96%	19	97%	
-hexanone	17	84%	17	87%	
1,2-trichloroethane	22	109%	22		
,3-dichloropropane	22			111%	:
		108%	20	102%	1
itrachloroethene	29	146% #	25	125%	1
bromochloromethane	19	97%	20	98%	:
2-dibromoethane (EDB)	21	105%	21	104%	
nlorobenzene	21	106%	20	100%	ł
1,1,2-tetrachloroethane	20	102%	20	99%	:
hylbenzene	22	109%	21	103%	(
&p-xylenes	44	109%	42	105%	:
xylene	22	109%	21	104%	(
yrene	20	100%	20	102%	
omoform	18	92%	19	93%	2
opropylbenzene	23	114%	22	112%	
1,2,2-tetrachloroethane	18	91%	18	90%	
2,3-trichloropropane	18	89%	17	86%	:
propylbenzene	22	109%	21	105%	:
omobenzene 3.5. trimativihormana	22	108%	21	105%	5
3,5-trimethylbenzene	20	102%	20	98%	:
chlorotoluene	21	103%	20	99%	4
chlorotoluene	21	104%	20	99%	ŧ
t-butylbenzene	20	99%	19	94%	
2,4-trimethylbenzene	21	106%	20	100%	(
c-butylbenzene	20	102%	20	98%	4
3-dichlorobenzene	20	102%	20	100%	2
sopropyltoluene	22	111%	21	107%	-
I-dichlorobenzene	20	100%	19	97%	3
2-dichlorobenzene	21	106%	20	100%	ŧ
outylbenzene	22	110%	20	103%	6
2-dibromo-3-chloropropane (
	18	88%	18	92%	4
2,4-trichlorobenzene	18	92%	18	89%	3
xachlorobutadlene	20	100%	19	94%	6
phihalene	15	75%	15	76%	1
2,3-trichlorobenzene	19	93%	18	89%	4
l-dloxane	34	85%	34	86%	C
RROGATE STANDARDS					
dibromolluoromethane		98%		103%	
				105%	
toluene-D8		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.

= This analyte showed recovery outside the acceptance limits.

	RECORD	CUSTODY		Other		TAT REQUESTED	-										10079-01 ESM			Invoice To: 25-M	Le Callatrin	134 West Man St North, MD	Company Address:	Company Name:		J	
		Relinquished by S	τC #	Quote #	E-Mail Address												ESMOS B (20-30)	ID Field	1		3	r Marn S		+ 1 Statester	124 Heritage Avenue • Portsmouth, NH 038 Phone: 603-436-2001 • Fax: 603-430-2100	Resource	
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		Jonate Jonate	Excel Spreadsheet	FAX OTHER (specify)		SPECIAL INSTRUCTIONS											3/2#/06	DATE	San	SDWA NF	£173 ()	Project ID Valame.		Phone #(SO3) 235 チャン			
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																	3	SAMPLER									
Heceived by Laboratory: Way Bill#:	Heceived by:	Received by																C VOC 8260-NH LI	isl⊡M	ADEP VPH	D MEC	GRO			Z	20	
Bill#		K Ke															7	V XVOC 8260 □ V	/0C80150	GRO 🗆 V(DC 624				6	CHAIN-OF-C	
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			JRE	RECEIVED ON ICE														RCRA Melals				1 TAL M	elals		<u> </u>	jenski jenski	
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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	>

D

Date

Total number of pages

Resource Laboratories, LLC Certifications

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

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

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ū	400	trans-1,3-dichloropropene	Ū	400
chloromethane	U	400	2-hexanone	U	2000
vinyl chloride	υ	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	υ	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)	· Ū	2000	n-propylbenzene	U	400
2,2-dichloropropane	U	400	bromobenzene	U	400
cis-1,2-dichloroethene	Ū	400	1,3,5-trimethylbenzene	U	400
chloroform	U	400	2-chlorotoluene	U	400
bromochloromethane	Ŭ	400	4-chlorotoluene	U	400
tetrahydrofuran (THF)	Ű	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	Ŭ	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	Ű	400
dibromomethane	U	400	hexachlorobutadiene	U	400
4-methyl-2-pentanone (MIBK)	U	2000	naphthalene	ป	1000
cls-1,3-dichloropropene	U	400	1,2,3-trichlorobenzene	υ	400
toluene	910	400	1,4-dioxane	U	10000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	102	78-114			
toluene-D8	102	88-110			
4-bromofluorobenzene	102	86-115			

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ū	200	trans-1,3-dichloropropene	Ū	200
chloromethane	U	200	2-hexanone	U	1000
vinyl chloride	U	200	1,1,2-trichloroethane	U	200
bromomethane	U	200	1,3-dichloropropane	ប	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	Ú	200	1,1,2,2-tetrachloroethane	U	200
t-butanol (TBA)	Ű	5000	1,2,3-trichloropropane	U	200
2-butanone (MEK)	Ū.	1000	n-propylbenzene	U	200
2,2-dichloropropane	U	200	bromobenzene	Ű	200
cis-1,2-dichloroethene	Ū	200	1,3,5-trimethylbenzene	Ū	200
chloroform	Ū	200	2-chlorotoluene	บ	200
bromochloromethane	Ū	200	4-chlorotoluene	Ŭ	200
tetrahydrofuran (THF)	Ū	1000	tert-butylbenzeлe	Ū	200
1,1,1-trichloroethane	9000	200	1,2,4-trimethylbenzene	Ū	200
1,1-dichloropropene	U	200	sec-buty/benzene	Ū	200
t-amyl-methyl ether (TAME)	Ū	200	1,3-dichlorobenzene	Ū	200
carbon tetrachloride	Ŭ	200	4-isopropyltoluene	Ū	200
1,2-dichloroethane	510	200	1,4-dichlorobenzene	υ	200
benzene	U	200	1,2-dichlorobenzene	420	200
trichloroethene	14000	200	n-butylbenzene	Ű	200
1,2-dichloropropane	U	200	1,2-dibromo-3-chloropropane	Ŭ	200
bromodichloromethane	Ū	200	1,2,4-trichlorobenzene	Ŭ	200
dibromomethane	Ŭ	200	hexachlorobutadiene	Ŭ	200
4-methyl-2-pentanone (MIBK)	ŭ	= 1000	naphthalene	Ŭ	500
cis-1,3-dichloropropene	Ŭ.	200	1,2,3-trichlorobenzene	Ŭ	200
toluene	310	200	1,4-dioxane	ŭ	5000
(chaorio	010	200	1,+-dioxane	0	0000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	101	78-114			
toluene-D8	105	88-110			
4-bromofluorobenzene	96	86-115		1	
+ 9101000001000012010	30	00-110			

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	200	trans-1,3-dichloropropene	Ū	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	Ŭ	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	Ū	200
ethyl t-butyl ether (ETBE)	Ŭ	200	isopropylbenzene	Ŭ	200
1,1-dichloroethane	U	200	1,1,2,2-tetrachloroethane	Ū	200
t-butanol (TBA)	U	5000	1,2,3-trichloropropane	Ū	200
2-butanone (MEK)	Ŭ	1000	n-propylbenzene	Ũ	200
2,2-dichloropropane	Ū	200	bromobenzene	ŭ	200
cis-1,2-dichloroethene	Ŭ	200	1,3,5-trimethylbenzene	ŭ	200
chloroform	Ŭ	200	2-chlorotoluene	Ŭ	200
bromochloromethane	Ū	200	4-chlorotoluene	ŭ	200
tetrahydrofuran (THF)	Ū	1000	tert-butylbenzene	Ŭ	200
1,1,1-trichloroethane	9200	200	1,2,4-trimethylbenzene	Ŭ	200
1,1-dichloropropene	U	200	sec-butylbenzene	Ŭ	200
t-amyl-methyl ether (TAME)	Ŭ	200	1,3-dichlorobenzene	Ŭ	200
carbon tetrachloride	ŭ	200	4-isopropyltoluene	Ŭ	200
1.2-dichloroethane	300	200	1.4-dichlorobenzene	ŭ	200
benzene	U	200	1,2-dichlorobenzene	Ŭ	200
trichloroethene	11000	200	n-butylbenzene	Ŭ	200
1,2-dichloropropane	U	200	1,2-dibromo-3-chloropropane	Ŭ	200
bromodichloromethane	Ũ	200	1,2,4-trichlorobenzene	Ŭ	200
dibromomethane	Ũ	200	hexachlorobutadiene	Ŭ	200
4-methyl-2-pentanone (MIBK)	Ű	1000	naphthalene	U	500
cls-1,3-dichloropropene	Ŭ	200	1,2,3-trichlorobenzene	Ŭ	200
toluene	610	200	1,4-dioxane	U U	5000
COLD ET 10	010	200	1,4-dioxane	U	5000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			2
dibromofluoromethane	100	78-114			
toluene-D8	103	88-110			
4-bromofluorobenzene	98	86-115			
	16	00 110			

Quality Control Report

5

RESOURCE LABORATORIES, LLC.

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

Laboratory N	Laboratory Name: Resource Laboratories, LLC Lab # 10088										
Project Location Hyde Park Project # MADEP RTN (if available)											
Custody for sa	amples numbers	s)		-				ove (see Chain o			
Sample Matri	ces: Groundwa	ater (X)	5011/Sed	iment () Dri	nking	water () Other:				
MCP SW-	8260 (x)	8081	()	6010	()	Cyanid	e ()	Other ()			
846 Methods	8270 ()	VPH	()	7470/7471	()	Other	()	Other ()			
Used	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 Yes (x) No() documentation for the data set?										
В	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?										
С	Does the data requirements to Section 2.0 (a) CAM VII A, ' Guidelines for Data?''	include for "Pre), (b), (c 'Quality	d in this re sumptive and (d) Assurance	Certainty" as of the MADE of the MADE ce and Quality	descril P docu Contr	oed in ment ol	Yes (x)	No ()			
D	VPH and EPH method run wi 11.3 of respec	ithout si	gnificant				Yes()	No () NA			
E	Were all QC for the specific	L.			mmen	dations	Yes (x)	No ()			
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?										

the best of my knowledge and belief, accurate and complete.

Signature: Aun M

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	Quantitation Lir	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	υ	2
diethyl ether	U	10	1,2-dibromoethane	υ	2
acetone	U	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	ป	5	ethylbenzene	υ	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)	Ų	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cls-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
dlbromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	ប	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	ce Limits		
	(%)	(%)			
dibromofluoromethane	103	78-114			
toluene-D8	104	88-110			
4-bromofluorobenzene	103	86-115			
1 210110110000000000	100	00 110			

U = Below quantitation limit

RL Resource Laboratories, LLC

Lab Number: 1 Sample Designation: L File Name: C Date Analyzed: 3 SW 846 Method 5030B/8260B

10088-52 Lab Control Sample/Lab Control Sample Duplicate C:IDATAIVOA03/032906/V3032924.D 3/29/06

Compound	LC: Amount Found	% Recovery	LC: Amount Found	% Recovery	F
dichlorodifluoromethane	16	79%	16	81%	
chloromethane	18	91%	18	91%	
vinyl chlorlde	21	104%	21	107%	
bromomethane	17	86%	18	90%	
chioroethane	19	97%	19	97%	
richlorofluoromethane	20	99%	20	101%	
liethylether	21	106%	20	100%	
acetone	18	88%	17	84%	
.1-dichloroothene	20	101%	20	102%	
nethylene chloride	21	107%	21	107%	
arbon disulfide	18	92%	19	95%	
nethyl-t-butyl ether (MTBE)	41	104%	41	103%	
rans-1,2-dichloroethene	20	100%	20	102%	
sopropyl ether (DIPE)	20	106%	20	105%	
ithyl-t-butyl ether (ETBE)	22	109%	21	106%	
1-dichloroethane	20	101%	20	101%	
-butanol (TBA)	92	92%	90	90%	
t-butarione (MEK)	19	93%	17	87%	
,2-dichloropropane	18	89%	18	90%	
la-1,2-dichloroethene	22	109%	22	108%	
hioroform	21	106%	21	108%	
romochloromelhane	22	112%	22	110%	
etrahydrofuran (THF)	18	92%	18	89%	
1,1-trichloroethane	19	95%	19	96%	
1-dichioroprogene	22	108%	21	106%	
amyl-methyl ether (TAME)	21	106%	21	103%	
arbon tetrachloride	15	77%	17	83%	
2-dichloroethane	20	101%	20	100%	
•	20	105%	20	107%	
enzene					
ichloroethene	22	109%	20	102%	
,2-dichloropropane	21	107%	20	100%	
romodichloromethane	17	84%	17	86%	
bromomethane	22	108%	21	105%	
-methyl-2-pentanone (MIBK)	20	101%	19	96%	
is-1,3-dichloropropene	19	97%	20	99%	
luene	22	108%	22	108%	
ans-1,3-dichloropropane	18	89%	18	89%	
hexanone	18	92%	17	87%	
1,2-trichloroethane	22	108%	22	108%	
3-dichloropropane	20	102%	20	99%	
trachlorosthene	21	105%	20	102%	
bromochloromeihane	16	78%	17	83%	
2-dibromoethane (EDB)	20	98%	20	100%	
	20	99%	19	97%	
hiorobenzene					
1,1,2-tetrachloroethane	17	86%	18	91%	1
hylbenzene	20	102%	21	103%	(
&p-xylenes	41	102%	42	104%	:
xylené	21	103%	21	105%	;
yrene	19	97%	21	104%	1
omoform	15	74%	16	79%	
opropylbanzane	22	108%	22	109%	
1,2,2-tetrachloroethane	17	87%	18	90%	:
2,3-trichloropropane	18	89%	18	92%	
propylbenzene	20	99%	21	105%	
omoberizene	20	100%	21	105%	
3,5-trimethylbenzene	19	97%	20	101%	
•	19		20		
chlorotoluene		93%		98%	
chloroloiuene	20	99%	20	102%	
rt-butyibenzene	17	87%	19	93%	1
2,4-trimethylbenzene	19	94%	21	103%	!
ic-butylbenzene	19	94%	20	98%	:
3-dichlorobenzene	19	96%	20	99%	:
sopropyltaluene	20	102%	22	109%	1
I-dichlorobenzene	19	93%	19	97%	
2-dichlorobenzene	19	96%	20	100%	
outylbenzene	21	106%	22	111%	1
2-dibromo-3-chloropropane (16	80%	18	88%	
2.4-trichlorobenzene	20	102%	21	107%	
xachlorobutadiene	17	84%	19	93%	1
	20				
phthalene		101%	20	102%	
2,3-trichlorobenzene	20	99%	21	105%	(
4-dioxene	36	91%	34	85%	
JRROGATE STANDARDS					
dibromofluoromethane		95%		97%	
toluane-D8		106%		103%	

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

-	CUSTODY		DSAP PO #	siness Days	Priority (24 hr)	TAT REQUESTED							A 03 134153 (50 40	02 03/13/140 50	10489-01 FOW0518(3+		Lab Sample Field	M-S3	LOP GUGVEUN	anager:	184 Wast Ne	Company Address:	Company Name:			1 1
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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 Maine NH903 Massachusetts M-NH902

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

.

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lir	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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
dlethyl 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)	Ū	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	υ	40
toluene	650	40	1,4-dioxane	U	1000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	95	78-114			
toluene-D8	104	88-110			· .
4-bromofluorobenzene	105	86-115			

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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.

<u>Laboratory Control Sample Results</u> No exceptions noted.

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

<u>Other</u>

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.

MADEP MCP Analytical Method Report Certification Form												
Laboratory Name:Resource Laboratories, LLCLab # 10094												
Project Location Hyde ParkProject #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-	8260 (x)	8081 ()		6010	()	Cyanid	e ()	Other ()				
846 Methods	8270 ()	VPH ()		7470/7471	()	Other	()	Other ()				
Used	8082 ()	EPH ()		Other	()	Other	()	Other ()				
Α	Were all samp	les received b	y the	laboratory i	n a coi	ndition						
	consistent with	h that describe	d on	the Chain of	f Custo	ody	Yes (x) No ()					
	documentatior											
В	Were all QA/Q											
	analytical met	• •		*			Yes (x)	No ()				
	including the r	-				arrative						
	QC data that d		prop	priate perform	nance							
	standards or gu			11	.1	1 1 1						
С	Does the data						Vac (v)	$\mathbf{N}_{\mathbf{a}}(\cdot)$				
	requirements f						Yes (x)	No ()				
	Section 2.0 (a) CAM VII A, "											
	Guidelines for											
	Data?"	the requisition	/11 ui	la reporting	01 7 110	uryticui						
D	VPH and EPH	methods only	: W	as the VPH	or EPF	Ĩ	Yes ()	No () NA				
	method run wi	•					()					
	11.3 of respect	-			`							
Е	Were all QC p		anda	ards and reco	mmen	dations						
	for the specifie						Yes (x)	No ()				
F	Were results for	or all analyte-l	ist c	ompounds/el	lement	s for	Yes (x)	No ()				
	the specified n	nethod(s) repo	rted	?								
I, the undersig	ned, attest unde	r the pains and	l per	nalties of per	jurv th	at, based	upon mv	personal inquiry				
								tical report is, to				
	knowledge and						5	· ·				

Signature: hour life land

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lin	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	υ	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	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	101	78-114			
toluene-D8	104	88-110			
	100	00 445			

U = Below quantitation limit

103

86-115

4-bromofluorobenzene

Lab Number: 1 Sample Designation: L File Name: C Date Analyzed: 3 SW 846 Method 5030B/8260B

10094-51 Lab Control Sample/Lab Control Sample Duplicate C:IDATAIVOA03\033006\V3033024.D 3/30/06

Compound	LCS Amount Found	% Recovery	Amount Found	CSD % Recovery	F
dichlorodifluoromethane	17	84%	16	82%	:
chloromethane	19	93%	18	92%	
vinyl chloride	22	111%	21	106%	
bromomethane	18				
		90%	18	89%	
chloroethane	19	96%	19	93%	
lrichlorofluoromethane	20	102%	20	101%	
diethylether	20	102%	21	103%	
acetone	17	83%	16	82%	
1,1-dichloroethene	20	100%	20	99%	
melhylene chloride	22	108%	21	107%	
carbon disulíide	19				
		97%	19	94%	
methyl-t-bulyl ether (MTBE)	39	99%	39	98%	
rans-1,2-dichloroethene	21	104%	20	101%	
sopropyl ether (DIPE)	21	104%	21	105%	
sthyl-l-bulyl ether (ETBE)	21	104%	21	103%	
1,1-dichioroethane	20	99%	19	97%	
-butanol (TBA)	86	86%	89	89%	:
2-butanone (MEK)	18	89%	18		Ì
• •				90%	
2,2-dichloropropane	19	94%	19	94%	
sis-1,2-dichloroethene	21	107%	22	108%	
hloroform	21	106%	21	103%	:
promochloromethane	22	108%	21	107%	
etrahydrofuran (THF)	17	87%	17	87%	(
,1,1-trichloroethane	20	101%	20	100%	
,1-dichloropropene	21	106%	21	107%	
amyl-methyl ether (TAME)	20	101%	20	101%	(
arbon letrachloride	17	85%	17	87%	2
,2-dichloroethane	20	98%	20	100%	1
enzene	21	103%	21	106%	2
ichloroethene	21	105%	21	106%	(
,2-dichloropropane	21	104%	21	103%	
romodichloromethane	18	88%	18	91%	4
ibromomethane	21	106%	21	107%	(
-methyl-2-pentanone (MIBK)	20	98%	19	97%	2
s-1,3-dichloropropene	20	102%	20	99%	
					3
bluene	21	105%	21	107%	2
ans-1,3-dichloropropene	18	88%	18	92%	5
-hexanone	17	86%	17	87%	
1,2-trichloroethane	21	107%	21	105%	2
3-dichloropropane	19	96%	20	99%	3
Irachloroethene	20	100%			Ę
			21	105%	
bromochloromethane	17	86%	18	88%	2
2-dibromoethane (EDB)	19	97%	20	99%	3
lorobenzene	19	96%	20	100%	4
1,1,2-tetrachloroethane	18	92%	19	94%	2
hylbenzene	20	99%	20	101%	2
&p-xylenes	41	102%	40	101%	1
-xylene	20	100%	21	103%	3
yrene	19	94%	20	102%	ę
omoform	17	84%	17	86%	3
propylbenzene	21	106%	22	109%	3
1,2,2-tetrachloroethane	17	85%	17	85%	
					0
2,3-trichloropropane	17	84%	17	86%	2
propylbenzene	20	99%	20	98%	1
omobenzene	20	98%	20	98%	0
3,5-trimethylbenzene	19	94%	19	95%	1
chlorotoluene	19	95%	18	90%	E
chiorotoluene	19	93%	19	97%	
					4
rt-butylbenzene	18	88%	18	89%	1
2,4-trimethylbenzene	19	95%	19	96%	1
c-butylbenzene	19	93%	19	96%	3
3-dichlorobenzene	19	94%	19	94%	C
sopropylloluene	20	101%	21	103%	3
-dichlorobenzene	18	89%	18	91%	3
2-dichlorobenzene	18	92%	19	97%	5
outylbenzene	21	103%	21	107%	3
2-dibromo-3-chloropropane (16	82%	17	87%	6
2,4-trichlorobenzene	18	92%	19	97%	4
xachlorobuladiene	17	83%	18	91%	1
phihalene	16				
•		80%	17	83%	4
2,3-trichlorobenzene	19	93%	19	94%	1
-dioxane	35	87%	37	92%	6
00004TE 674105					
IRROGATE STANDARDS		1000			
dibromofluoromethane		100%		99%	
toluene-D8		106%		104%	

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

	RECORD	CUSTODY			Priority (24 hr)	TAT REQUESTED		 			10044-11 ESMOSB (00-76	Lab Sample Field ID ID	Invoice Io: ビンギノハ	Le Callabar	184 West Main St Project Manager:	Company Address:	Company Name:	Ph I2	D R	
	Relinquished hv.	Relinquished by:	-	(D 1):	E-Mail Address						3(6-76) 2 1	# CONTAINERS WATER SOLID OTHER HCI		>	ainSt Norto MA	Company Address:		124 Heritage Avenue • Portsmouth, NH 038 Phone: 603-436-2001 • Fax: 603-430-2100	1	
		Date Time	PDF Excel Spreadsheet	FAX OTHER (specify)	Call Lor Callebrar w	SPECIAL INSTRUCTIONS					3)29/06 1130	HNO3 Method H2SO4 NaOH Method MeOH OTHER (Specily) DATE Sampling	Protocol: RCRA SDWA NPDES	ewis	Project ID / Name:	FAX #: 安つ名 みなご 99 元子 Site Location (City, State):	Phone #:509 3859 700	Portsmouth, NH 03801 Fax: 603-430-2100	ories, LLC	
Way Bill#:		Time Received by:	TEM	REC	results							KG SAMPLER VOC 8260-NH List VOC 8260 VOC 8260 VOC 8260 BTEX, MIBE, N VOC 524.2 VOC 524.2 VOC 524.2 VOC 524.2 RPH Fingerprint B270PAH B270PAH B082 PCB B081 Pes O & G 1664 O & G 564	GRO [] V laphthalene .2 NH List DRO [] DF [] 625 Licides []	0C 624 only					CHAIN-OF-CUSTOD	
		3	TEMPERATURE°C	RECEIVED ON ICE YES ON								pH BOD Cor TSS TDS TS RCRA Metals Priorily Total Metals-list DIss Arnmonia COD T-Phosphate Phenol Qyanide Sulfide Nitrate Nitrite Or Corrosivity Reactive C	Pollutant Meta olved Meta tho P () \$	is-list Sulfate	🗆 Bromia - 🗀 Igni	le 🗆 Chi		MANASIS BELIEVAN	QUEST	
Date Time	Uate lime	Date (29/06 [13		Lab Use Only								TCLP Melals TCLP V TCLP Pesticide TCLP Slandard Drinking Water T Grab (G) or Composite (C	P Herbicides fest □ Ba	s (subco	nlraci)		· · · · · · · · · · · · · · · · · · ·		10094	PAGE_1_0F_1_

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

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Date

Total number of pages

Resource Laboratories, LLC Certifications

New Hampshire 1732 Maine NH903 Massachusetts M-NH902

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:	L.MM

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	υ	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	Acceptan	ce Limits		
· · · · · · · · · · · · · · · · · · ·	(%)	(%)			
dibromofluoromethane	101	78-114			
toluene-D8	108	88-110			
4-bromofluorobenzene					
4-0101101100000012010	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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lir	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	υ	1000
methyl t-butyl ether (MTBE)	U	1000	o-xylene	U	1000
trans-1,2-dichloroethene	U	1000	styrene	ບ	1000
isopropyl ether (DIPE)	U	1000	bromoform	U	1000
ethyl t-butyl ether (ETBE)	U	1000	isopropylbenzene	υ	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	Ŭ	1000	1,3,5-trimethylbenzene	U	1000
chloroform	U	1000	2-chlorotoluene	U	1000
bromochloromethane	Ū	1000	4-chlorotoluene	U	1000
tetrahydrofuran (THF)	Ū	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)	Ū	1000	1,3-dichlorobenzene	U	1000
carbon tetrachloride	Ū	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	Ŭ	1000
1,2-dichloropropane	U	1000	1,2-dibromo-3-chloropropane	Ű	1000
bromodichloromethane	Ŭ	1000	1,2,4-trichlorobenzene	Ū	1000
dibromomethane	Ŭ	1000	hexachlorobutadiene	Ŭ	1000
4-methyl-2-pentanone (MIBK)	Ŭ	5000	naphthalene	Ū	3000
cis-1,3-dichloropropene	Ű	1000	1,2,3-trichlorobenzene	Ū	1000
toluene	6600	1000	1,4-dioxane	Ū	30000
toldaria	0000	1000	I'- dovano	Ŭ	00000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	100	78-114			
toluene-D8	105	88-110			
4-bromofluorobenzene					
4-010110110010001120110	100	86-115			

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.

<u>Other</u>

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 MC	P Analytical M	lethod Report (Certification	Form			iner din bere din meningka kana din din din din din din din din din din			
MADEP MCP Analytical Method Report Certification FormLaboratory Name: Resource Laboratories, LLCLab # 10103										
Project Locati	on Hyde Park		Project #			MADEP	RTN (if			
						available)			
This form pro	vides certificati	ons for the follo	wing data set	in the L	ab # refe	renced abo	ove (see Chain of			
·······	imples numbers									
Sample Matric	ces: Groundwa	ter (x) Soil/So	ediment () I	Drinking	Water () Other:				
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()			
846 Methods	8270 ()	VPH ()	7470/747	/1 ()	Other	()	Other ()			
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()			
А	Were all samp	les received by	the laborator	y in a co	ndition					
	-	n that described				Yes (x)	No ()			
		n for the data set			•					
В	Were all QA/Q	QC procedures r	equired for th	e specifi	ed					
		hod(s) included				Yes (x)	No ()			
	•	equirement to n			arrative					
		id not meet app	ropriate perfo	ormance						
	standards or gu									
С		included in this			•					
	-	or "Presumptive	•			Yes (x)	No ()			
	• •	, (b), (c) and (d)								
		Quality Assurat		-						
	Data?"	the Acquisition	and Reportin	ig of An	aryucar					
D		methods only:	Was the VDI	I or FDL	Ţ	Yes ()	No () NA			
		thout significan				100()	IN () INA			
	11.3 of respect		moundatio		50011011					
Е	······································	performance star	ndards and re	commen	dations					
		ed methods achi				Yes ()	No (x)			
F	A	or all analyte-lis		/element	s for	Yes (x)				
		nethod(s) report	*			, ,	. /			
L the undersion		na an an an an an an an an an an an an a		eriurv th	at based	unon my	personal inquiry			
							tical report is, to			
	knowledge and									
				50.000 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 201 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012 - 2012						

Signature: fue ullulu

Position: Lab Director

Printed Name: Susan C. Sylvester

2-2-07 Date:_

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	Quantitation Lin	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ū	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 U	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	Ŭ	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	Ū	2	o-xylene	U	2
trans-1,2-dichloroethene	Ŭ	2	styrene	U	2
isopropyl ether (DIPE)	Ū	2	bromoform	U	2
ethyl t-butyl ether (ETBE)	Ŭ	2	isopropylbenzene	U	2
1,1-dichloroethane	Ŭ	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	Ŭ	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	Ŭ	10	n-propylbenzene	U	2
2,2-dichloropropane	Ŭ	2	bromobenzene	Ū	2
cis-1,2-dichloroethene	Ŭ	2	1,3,5-trimethylbenzene	Ū	2
chloroform	Ŭ	2	2-chlorotoluene	U	2
bromochloromethane	Ŭ	2	4-chlorotoluene	Ū	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	Ŭ	2
1,1,1-trichloroethane	Ŭ	2	1,2,4-trimethylbenzene	Ŭ	2
1,1-dichloropropene	Ŭ	2	sec-butylbenzene	υ	2
t-amyl-methyl ether (TAME)	Ŭ	2	1,3-dichlorobenzene	Ū	2
carbon tetrachloride	Ŭ	2	4-isopropyltoluene	Ŭ	2
1,2-dichloroethane	Ŭ	2	1,4-dichlorobenzene	U	2
benzene	Ŭ	2	1,2-dichlorobenzene	Ū	2
trichloroethene	Ű	2	n-butylbenzene	Ŭ	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	Ŭ	2
bromodichloromethane	Ŭ	2	1,2,4-trichlorobenzene	Ŭ	2
dibromomethane	Ŭ	2	hexachlorobutadiene	Ŭ	2
4-methyl-2-pentanone (MIBK)	Ŭ	10	naphthalene	Ŭ	5
cis-1,3-dichloropropene	Ŭ	2	1,2,3-trichlorobenzene	Ŭ	2
toluene	Ŭ	2	1,4-dioxane	Ŭ	50
loidene	0	Ζ.	1,4-uloxalio	0	
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	101	78-114			
toluene-D8	104	88-110			
4-bromofluorobenzene	98	86-115			
	00				

U = Below quantitation limit

Lab Number: Sample Designation: File Name: Date Analyzed: SW 846 Method 5030B/8260B

10103-51 Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\033106\V3033134.D 4/1/06

Compound	LCS Amount Found	% Recovery	Amount Found	SD % Recovery	1
dichlorodilluoromethane	16	81%	16	80%	
chloromethane	18	91%	18	90%	
	20				
vinyl chloride		100%	21	105%	
bromomelhane	17	83%	18	88%	
chloroethane	19	96%	19	94%	
trichlorofluoromethane	20	100%	21	103%	
diethylether	21	103%	20	102%	
•					
acelone	17	87%	17	87%	
1,1-dichloroethene	19	96%	20	102%	
methylene chloride	21	106%	22	108%	
carbon disulfide	19	93%	19	94%	
melhyl-t-bulyl ether (MTBE)	40	100%	41		
				102%	
trans-1,2-dichloroethene	21	104%	21	104%	
sopropyl ether (DIPE)	21	106%	22	111%	
ethyl-t-butyl ether (ETBE)	21	103%	21	106%	
1,1-dichloroelhane	19	97%	20	102%	
-					
-butanoi (TBA)	84	84%	89	89%	
2-butanone (MEK)	18	89%	19	93%	
2,2-dichloropropane	14	70%	14	72%	
ls-1,2-dichloroethene	22	108%	22	110%	
chloroform	21	104%	22	108%	
promochloromethane	21	107%	23	113%	
etrahydrofuran (THF)	18	90%	19	94%	
1,1,1-trichioroethane	20	99%	21	103%	
,1-dichloropropene	21	105%	20	102%	
-amyl-methyl ether (TAME)	20	101%	20	102%	
arbon tetrachloride	17	85%	18	89%	
,2-dichloroethane	20	99%	21	103%	
-					
enzene	21	107%	22	108%	
richioroethene	22	108%	22	108%	
,2-dichloropropane	21	104%	20	102%	
romodichloromethane	18	90%	18	91%	
lbromomethane	22	108%	22	111%	
-methyl-2-pentanone (MIBK)	18	92%	20	99%	
is-1,3-dichloropropene	19	96%	20	99%	
pluene	22	108%	21	106%	
rans-1,3-dichloropropene	17	85%	18	88%	
-hexanone	16	82%	17	87%	
1,2-trichloroethane	21	103%	21	104%	
,3-dichloropropane	19	97%	21	104%	
etrachioroethene	20	101%	22	109%	
ibromochloromethane	18	89%	19	96%	
2-dibromoethane (EDB)	19	97%	20	100%	
hlorobenzene	19	96%	20	99%	
1,1,2-letrachloroethane	18	91%	20	98%	
thylbenzene	19	97%	21	103%	1
&p-xylenes	40	101%	41	104%	
-xylene	20	100%	20	102%	
yrene	15	74%	20	101%	3
romoform	17	87%	19	93%	
opropylbenzene	21	103%	22	111%	
	17	85%			
1,2,2-tetrachloroethane			17	87%	
2,3-trichloropropane	17	85%	17	83%	
propylbenzene	19	97%	20	98%	
omobenzene	20	98%	19	97%	
3,5-trimethylbenzene	19	93%			
			19	96%	
chlorotoluene	18	92%	19	94%	:
chiorotoluene	18	90%	19	93%	:
rt-butylbenzene	17	85%	18	89%	1
-					
2,4-trimethylbenzene	19	93%	19	97%	
c-bulylbenzene	17	87%	19	94%	
3-dichlorobenzene	19	93%	19	93%	(
Isopropyltoluene	20	98%	20	102%	
4-dichlorobenzene	18				
		90%	18	90%	(
2-dichlorobenzene	19	95%	19	97%	;
outylbenzene	19	97%	20	101%	
2-dibromo-3-chloropropane (17	83%	17	85%	:
2,4-trichlorobenzene					
•	17	87%	18	88%	(
xachlorobuladiene	17	83%	17	86%	4
phthalene	14	71%	15	77%	
2,3-trichlorobenzene	17	87%	18	91%	
1-dioxane	35	88%	36	89%	:
IRROGATE STANDARDS					
dibromofluoromethane		99%		1019/	
				101%	
toluene-D8		106%		108%	
4-bromofluorobenzene		103%		109%	

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.

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CUSTODY RECORD	Other Quote #					-2 ESH-033 (40-70)	10103-1 224-033 (5-6)	Lab Sample ID ID ID ID	- L\ ^Y	Jor Caulton ST	ENDIALS MENTRUSTRUET	Company Name:	
Relinquished by Sampler:	ιυ 	E-Mail Address				6-70) 2	1 12 (3.5	# CONTAINERS WATER SOLID OTHER		UST NORTON MA	TLATEORS + MONT		Resource Labora 124 Heritage Avenue • Ports Phone: 603-436-2001 • Fax:
Date Date Date		SPECIAL INSTRUCTIONS				>/ 3/ 34/64.	106 × 106	OTHER (Specify)	ACRA SDWA	Hype Pase Lin Project ID / Name:	FAX #: <u>('SC)3</u>) <u>355 - 99;5</u> Site Location (City, State):	1 ax. 003-+50-2100 Phone #(Sひま) 235-47 その	Aboratories, LLC e · Portsmouth, NH 03801
Time F Time F Time F	Š					ILIAC AP	-JU 5180	TIME SAMPLER	NPDES OTHER				
Received by: Received by Received by Laboratory: Way Bill#:						5	<u> </u>	VOC 8260-NH List VOC 8260 □ VOC801 VOC 8260 DTEX, MIBE, VOC 524.2 □ VOC 52 TPH Fingerprint □ ME 8270PAH □ 8270ABN	5GRO 🗆 VOC Naphthalene on 4.2 NH List EDRO 🗔 DRO 8	624 ly			CHAIN-OF-CU AND ANALYS
	RECEIVED ON ICE							□ 8082 PCB □ 8081 Pe □ 0&G 1664 □ 0&G SN	esticides 🗆 604 A5520F onductivity ty Pollutant Meta	als (=) TAL Me	ilals		SUSTODY RECORD
1		-						Ammonia COD T-Phosphate Phenoi Cyanide Sullide Niirale Niirite 0 Corrosivity Reactive TCLP Metals TCLP	Irtho P 🗆 Sulfa CN 🗆 Reactiv	ve S- 🗀 Ignit	~~~~~		77 10103
Date <i>36/06</i> .3 :06 Date Date Time Time	Lab Use Only							TCLP Pesticide TCL Standard Drinking Water Grab (G) or Composite ((P Herbicides (s∟ Test i⊐ Bacleri	ubcontract))F

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

-2-07

Date

Total number of pages

Resource Laboratories, LLC Certifications

New Hampshire 1732 Maine NH903 Massachusetts M-NH902

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	Quantitation Lin	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ū	2	trans-1,3-dichloropropene	Ū	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	ບ	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	บ	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	υ	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	υ	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	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	96	78-114			
toluene-D8	108	88-110			

U = Below quantitation limit

106

86-115

4-bromofluorobenzene

Quality Control Report

1 1.

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.

MADEP MCP Analytical Method Report Certification Form										
Laboratory Name:Resource Laboratories, LLCLab # 10105										
Project Locati	on Hyde Park		Project #			MADEP	PTN (if			
Tiojeet Locati	on flydd fark					available				
This form prov	vides certification	ons for the foll	owing data set	in the L	ab # refe		ove (see Chain of			
Custody for sa	mples numbers	5)	-				``			
Sample Matric	ces: Groundwa	ater (x) Soil/S	Sediment () [Drinking	Water () Other:				
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()			
846 Methods	8270 ()	VPH ()	7470/747	1 ()	Other	()	Other ()			
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()			
A	Were all samp	les received by	the laboratory	/ in a co	L ndition					
	consistent with					Yes (x)) No()			
		n for the data se								
В		2C procedures	*	*						
	analytical method		-			Yes (x)) No()			
	including the r	id not meet ap			arranve					
	standards or gi		propriate perio	manee						
С	Does the data		s report meet a	ll the an	alytical					
	requirements f					Yes (x)	No ()			
	Section 2.0 (a)		•							
	CAM VII A, "			-						
	Guidelines for	the Acquisitio	n and Reportin	ig of An	alytical					
D	Data?" VPH and EPH	methods only	Was the VDL	I or EDL	Ţ	Yes ()	No () NA			
	method run wi									
	11.3 of respect									
Е	Were all QC p		andards and re	commer	dations					
	for the specifie					Yes (x)	No ()			
F	Were results for			element	s for	Yes (x)	No()			
	the specified m	nethod(s) repor	ted?							
I, the undersign	ned, attest unde	r the pains and	penalties of pe	erjury th	at, based	l upon my	personal inquiry			
					tained in	this analy	tical report is, to			
the best of my	knowledge and	belief, accurat	te and complet	е.						
	Δ									

Signature: hum fy has

Position: Lab Director

Printed Name: Susan C. Sylvester

2-2-07 Date:____

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lir	nit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	101	78-114			
toluene-D8	104	88-110			
	100	00 115			

86-115

100

.

U = Below quantitation limit.

4-bromofluorobenzene

10105-51 Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\040306\V3040324.D

Compound	Amount Found	% Recovery	Amount Found	CSD % Recovery	I
dichlorodifluoromethane	18	88%	17	86%	
chloromethane	20	100%	19	94%	
vinyl chloride	22	112%	21	104%	
bromomethane	20				
		99%	19	95%	
chloroothane	21	103%	20	100%	
richlorofluoromethane	22	111%	21	104%	
diethylether	22	109%	22	110%	
acelone	18	88%	18	89%	
1,1-dichloroethene	22	111%	21	106%	
methylene chloride	23	114%	22	111%	
arbon disulfide	21				
		104%	20	98%	
nethyl-l-bulyl elher (MTBE)	43	108%	42	104%	
rans-1,2-dichloroethene	23	114%	22	109%	
sopropyl ether (DIPE)	23	116%	22	112%	
athyl-l-bulyl elher (ETBE)	23	113%	22	111%	
1-dichloroethane	22	108%	21	106%	
-butanol (TBA)	95	95%	94	94%	
2-butanone (MEK)	19	96%	19	96%	
,2-dichloropropane	21	103%	20	99%	
is-1,2-dichloroethene	24	118%	23	115%	
hioroform	23	117%	23	115%	
romochloromethane	24	120%	24	121%	
	19				
etrahydrofuran (THF)		94%	19	96%	
,1,1-trichloroethane	22	112%	22	110%	
,1-dichloropropene	23	117%	23	113%	
amyl-methyl ether (TAME)	22	110%	23	115%	
arbon tetrachloride	18	92%	19	94%	
,2-dichloroelhane	22	110%	22	109%	
•					
enzene	24	119%	23	116%	
ichioroethene	23	114%	23	115%	
,2-dichioropropane	22	109%	22	110%	
romodichloromethane	19	96%	20	98%	
bromomethane	24	118%	23	115%	
-methyl-2-pentanone (MIBK)	21	103%	21	103%	
is-1,3-dichloropropene	22	109%	22	110%	1
oluene	24	120%	23	116%	
ans-1,3-dichloropropene	19	97%	19	96%	
-hexanone	19	93%	19	95%	
1,2-trichloroethane	23	114%	23	115%	
				99%	
3-dichloropropane	21	104%	20		
Itrachloroethene	22	109%	21	105%	
bromochloromethane	18	89%	18	92%	
2-dibromoethane (EDB)	20	100%	20	101%	
lorobenzene	20	102%	20	98%	
	19	94%	19	96%	:
1,1,2-letrachioroethane					
hylbenzene	21	106%	21	103%	
&p-xylenes	43	107%	42	106%	(
xylene	22	108%	21	106%	
yrene	21	103%	19	97%	(
•	18	88%	18	90%	
omoform					
opropylbenzene	23	114%	22	110%	
1,2,2-letrachloroethane	18	92%	17	87%	1
2,3-trichloropropane	18	89%	17	86%	
propylbenzene	21	105%	20	98%	
omobenzene	21	104%	20	101%	
3,5-trimethylbenzene	19	97%	18	92%	1
chlorotoluene	19	97%	18	92%	
chiorololuene	20	99%	19	94%	1
rt-butylbenzene	18	92%	18	90%	
2,4-trimethylbenzene	20	101%	20	99%	
c-butylbenzene	20	101%	18	91%	1
3-dichlorobenzene	20	99%	19	95%	
sopropylloluene	22	108%	21	104%	
-dichlorobenzene	19	96%	19	93%	
2-dichlorobenzene	21	103%	19	97%	1
outylbenzene	22	109%	21	106%	
2-dlbromo-3-chloropropane (17	87%	17	87%	· (
2,4-trichlorobenzene	20	101%	19	96%	1
xachlorobutadiene	19	94%	19	93%	
phthalene	17	85%	17	85%	(
2,3-Irichlorobenzene	20	101%	20	100%	
i-dioxane	37	92%	36	90%	:
RROGATE STANDARDS					
		104%		102%	
RROGATE STANDARDS dlbromofluoromethane toluene-D8		104% 107%		102% 110%	

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.

ļ			ļ	PO # _	Other		Priority (24 hr)	IAI KEUUESIED	TAT DEDIFOTED				 			~.,	Lab Sample Field ID ID (Lab Use Only)			Jose Corram	Project Manager:	Company Address:	ENVIRGEMENTAL	Company Name:	Phoi	124	
Relinquished by:	Helinquished by:	Relinquished by Sampler:			-41:	E-Mail Address							 				# CONTAINERS WATER SOLID OTHER HCI				T WARTEN MA	Company Address:	SEPATECIES + MONT			NESULICE L'AUUIALUILES, 124 Heritage Avenue • Portsmouth. NH (Tohoro
		() س					diring the second second		SPECIAL INSTRUCTIONS			 					HNO3 H2SO4 NaOH MeOH OTHER (Specify)	Dreservation	Protocol: ACRA S		HydePazk MA Project ID / Name:	₹	FAX # (50.8) 2%	Phone #: (508) 285 9700	Fax: 603-430-2100	Portsmouth, NH 03801	
Date	Date	Date 3/3(06	Excel Spreadsheet						JCTIONS						3131100	- 1- 1-		NHDES OT	DWA		A	ate):	うみいて	59700			
Time	Time	Time にんご			<i>a</i>							 	- - 		7420		TIME Sampling	OTHER	NPDES								
Received by Laboratory Way Bill#:	Received by:	Received by:														` `\	VOC 8260-NH List VOC 8260 TPH Fingerprint ME 8270PAH 8270PAH	15GRO , Naphtha 24.2 NH I EDRO E	Ilene or Ist DRO	C 624		<u> </u>				IS.	CHAIN-OF-CUS
h h))		I EMPERAI URE		RECEIVED ON ICE									······				M5520F Conducliv ily Pollut	ily ant Me	tals	 TAL	Metals		•	A SANTAR	REQL	TODY RECORD
3/2/	Date	Date	C C		ZYES INO Lab												T-Phosphale Pheno Cyanide Sullide Nitrale Nitrile Corrosivily Reactive TCLP Metals TCLP	Ortho P e CN E ? VOC E) Reacl	live S P SVO	- 🗆 lg C					10105	
Time 1 1-7 . (21)	Time	Time			Lab [:] Use Only												Standard Drinking Water Grab (G) or Composite () Bacte	eria P/	Ά						

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

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Date

Total number of pages

Resource Laboratories, LLC Certifications

New Hampshire NH902 Maine

NH903

Connecticut PH-0146 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

	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	Ŭ	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	Ŭ	100
Surrogate Recovery 2,5-dibromotoluene as aromatic 2,5-dibromotoluene as aliphatic		93% 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

	Elution Range	Concentration ug/L	Quantitation Limit ug/L
Unadjusted C5-C8 Aliphatics (1) Unadjusted C9-C12 Aliphatics (1)	N/A N/A	380	100 100
Unaujusted Co-CT2 Alphatics (T)	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 Allphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons. U = Below quantitation limit /

Lab Number:	10154-07
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

	Elution Range	Сопсentration 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

4

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

	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
methyi-t-butyl ether (MTBE)	C5-C8	U	2
benzene	C5-C8	Ŭ	1
toluene	C5-C8	Ū	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	Ŭ	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 Ilmit

RL Resource Laboratories, LLC

1

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

	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) benzene	C5-C8 C5-C8	U U	2
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) C9-C12 Aliphatics (1,3)	N/A N/A	340 U	100 100
C9-C10 Aromatics (1)	N/A	Ŭ	100
Surrogate Recovery 2,5-dibromotoluene as aromatic 2,5-dibromotoluene as aliphatic Surrogate Acceptance Range		104% 103% 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

	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 V

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

1

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	imit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	
dichlorodifluoromethane	Ū	2	trans-1,3-dichloropropene	U	ug/L 2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	Ŭ	2
bromomethane	U	2	1,3-dichloropropane	Ŭ	2
chloroethane	U	2	tetrachloroethene	ŭ	2
trichlorofluoromethane	U	2	dibromochloromethane	Ŭ	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acetone	U	10	chlorobenzene	Ŭ	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	ŭ	2
methylene chloride	U	5	ethylbenzene	ŭ	2
carbon disulfide	U	2	m&p-xylenes	Ŭ	2
methyl t-butyl ether (MTBE)	U	2	о-хуlепе	Ŭ	2
trans-1,2-dichloroethene	U	2	styrene	ບ	2
isopropyl ether (DIPE)	ប	2	bromoform	Ŭ	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	Ŭ	2
1,1-dichloroethane	2	2	1,1,2,2-tetrachloroethane	Ŭ	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	Ŭ	2
2-butanone (MEK)	U	10	n-propylbenzene	ŭ	2
2,2-dichloropropane	U	2	bromobenzene	Ŭ	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	Ŭ	2
chloroform	U	2	2-chlorotoluene	Ŭ	2
bromochloromethane	U	2	4-chlorotoluene	Ŭ	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	Ŭ	2
1,1,1-trichloroethane	U	2	1,2,4-trimethy/benzene	Ŭ	2
1,1-dichloropropene	U	2	sec-butylbenzene	ŭ	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	ŭ	2
carbon tetrachloride	U	2	4-isopropyltoluene	Ū	2
1,2-dichloroethane	U	2	1,4-dlchlorobenzene	Ŭ	2
benzene	U	2	1,2-dichlorobenzene	ŭ	2
trichloroethene	5	2	n-butylbenzene	Ŭ	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	Ū	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	Ŭ	2
dibromomethane	U	2	hexachlorobutadiene	ŭ	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	Ŭ	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	Ū	2
toluene	U	2	1,4-dioxane	Ŭ	50
	0				
SURROGATE STANDARDS	Recovery	Acceptanc	e Limits		
	(%)	(%)			
dibromofluoromethane	92	78-114			
toluene-D8	104	88-110			
4-bromofluorobenzene	101	86-115			

U = Below quantitation limit

V

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	Ū	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	Ŭ	10	chlorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	ປ	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-dlchloroethene	U	2	styrene	U	2
isopropyl ether (DIPE)	ប	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
cls-1,2-dlchloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	υ	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	υ	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	IJ	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50
SURROGATE STANDARDS	Recovery	Acceptanc	e Limits		
	(%)	(%)			
dibromofluoromethane	89	78-114			
toluene-D8	100	88-110			
4-bromofluorobenzene					
	101	86-115			

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	Ū	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	ប	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	пaphthalene	U	5
cis-1,3-dichioropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	19	2	1,4-dioxane	U	50
SURROGATE STANDARDS	Recovery	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	102	88-110			
4-bromofluorobenzene	114	86-115			

10154-05
ESM14
4/6/06
4/13/06
Water
1
CWC

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	imit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	Ŭ	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	20	2	1,1,2-trichloroethane	Ū	2
bromomethane	U	2	1,3-dichloropropane	Ū	2
chloroethane	U	2	tetrachloroethene	8	2
trichlorofluoromethane	U	2	dibromochloromethane	Ŭ	2
diethyl ethe r	U	10	1,2-dibromoethane	ū	2
acetone	U	10	chlorobenzene	2	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachloroethane	Ū	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	Ŭ	2
isopropyl ether (DIPE)	U	2	bromoform	Ŭ	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	ŭ	2
1,1-dichloroethane	42	2	1,1,2,2-tetrachloroethane	Ŭ	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	Ŭ	2
2-butanone (MEK)	U	10	n-propylbenzene	Ŭ	2
2,2-dichloropropane	Ľ	2	bromobenzene	Ŭ	2
cis-1,2-dichloroethene	15	2	1,3,5-trimethylbenzene	ŭ	2
chloroform	U	2	2-chlorotoluene	Ũ	2
bromochloromethane	U	2	4-chlorotoluene	Ŭ	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	Ŭ -	2
1,1,1-trichloroethane	U	2	1,2,4-trimethylbenzene	Ŭ	2
1,1-dichloropropene	U	2	sec-butylbenzene	ŭ	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	Ŭ	2
carbon tetrachloride	U	2	4-isopropyltoluene	Ũ	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	Ŭ	2
benzene	U	2	1,2-dichlorobenzene	Ŭ	2
trichloroethene	8	2	n-butylbenzene	Ŭ	2
1,2-dichloropropane	U	2	1,2-dlbromo-3-chloropropane	Ŭ	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	Ŭ	2
dibromomethane	U	2	hexachlorobutadiene	Ŭ	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	Ŭ	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	Ű	2
toluene	12	2	1,4-dioxane	U	50
SURROGATE STANDARDS	Recovery	Acceptance	oo t imite		
	(%)	(%)			
dibromofluoromethane	95	(%) 78-114			
toluene-D8	95 104				
4-bromofluorobenzene		88-110			
- SIGHUNUUUUUUUUUUU	101	86-115			

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SW 846 Method 5030B/8260B

	Concentration	Quantitation L	lmit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	10	trans-1,3-dichloropropene	Ŭ	10
chloromethane	U	10	2-hexanone	Ū	50
vinyl chloride	61	10	1,1,2-trichloroethane	Ū	10
bromomethane	U	10	1,3-dichloropropane	ũ	10
chloroethane	U	10	tetrachloroethene	150	10
trichlorofluoromethane	U	10	dibromochloromethane	U	10
diethyl ether	U	50	1,2-dibromoethane	Ű	10
acetone	U	50	chlorobenzene	ŭ	10
1,1-dichloroethene	U	5	1,1,1,2-tetrachloroethane	ŭ	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	Ŭ	10
isopropyl ether (DIPE)	U	10	bromoform	Ŭ	10
ethyl t-butyl ether (ETBE)	U	10	isopropylbenzene	ŭ	10
1,1-dichloroethane	25	10	1,1,2,2-tetrachloroethane	U	10
t-butanol (TBA)	U	300	1,2,3-trichloropropane	Ŭ	10
2-butanone (MEK)	U	50	n-propylbenzene	Ŭ	10
2,2-dichloropropane	U	10	bromobenzene	Ŭ	10
cis-1,2-dichloroethene	2200	10	1,3,5-trimethylbenzene	Ŭ	10
chloroform	U	10	2-chlorotoluene	ŭ	10
bromochloromethane	U	10	4-chlorotojuene	Ŭ	10
tetrahydrofuran (THF)	ប	50	tert-butylbenzene	Ŭ	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 U	10
benzene	U	10	1,2-dichlorobenzene	Ŭ	10
trichloroethene	57	10	n-butylbenzene	Ŭ	10
1,2-dichloropropane	U	10	1,2-dibromo-3-chloropropane	Ŭ	10
bromodichloromethane	U	10	1,2,4-trichlorobenzene	Ŭ	10
dibromomethane	U	10	hexachlorobutadiene	Ŭ	10
4-methyl-2-pentanone (MIBK)	U	50	naphthalene	Ŭ	30
cls-1,3-dichloropropene	U	10	1,2,3-trichlorobenzene	Ŭ	10
toluene	340	10	1,4-dioxane	U	300
SURROGATE STANDARDS	Recovery	A = = = = 4 :			
	-	Acceptanc	e Limits		
dibromofluoromethane	(%)	(%)			
toluene-D8	92	78-114			
4-bromofluorobenzene	101	88-110			
4-biomonuorob002008	106	8 6 -115			

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

1

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	Ū	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	ប	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	บ	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-isopropyitoluene	U	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dichlorobenzene	U	2
trichloroethene	7	2	n-butyibenzene	U	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	U	2
bromodichloromethane	U	2	1,2,4-Irichlorobenzene	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	e Limits		
	(%)	(%)			
dibromofluoromethane	93	78-114			
toluene-D8	103	88-110			
4-bromofluorobenzene	105	86-115			
		00110			

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	ບ	2
methylene chloride	U	5	ethylbenzene	U	2
carbon disulfide	U	2	m&p-xylenes	U	2
methyl t-butyl ether (MTBE)	IJ	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-trichiorobenzene	U	2
dibromomethane	U	2	hexachlorobutadiene	U	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
cls-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	91	78-114			
toluene-D8	104	88-110			
4-bromofluorobenzene	104	86-115			

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	Ū	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	Ų	400
acetone	บ	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	บ	400
isopropyl ether (DIPE)	U	400	bromoform	U	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	U	400
1,1-dichloroethaлe	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	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	93	78-114			
toluene-D8	102	88-110			
4 hours of a set					

U = Below quantitation limit

4-bromofluorobenzene

101

86-115

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lir	nlt	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	Ū	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-dlchloroethene	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
ethy! t-butyl ether (ETBE)	U	2	isopropylbenzene	3	2
1,1-dlchloroethane	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	Ŭ	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
cls-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	110	2	1,4-dioxane	U	50
SURROGATE STANDARDS	Recovery	Acceptanc	e Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	106	88-110			
4-bromofluorobenzene	109	86-115			

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	Quantitation L	imit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	Ū	400
chloromethane	υ	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	IJ	2000	chlorobenzene	U	400
1,1-dichloroethene	3000	200	1,1,1,2-tetrachloroethane	Ū	400
methylene chloride	12000	1000	ethylbenzene	Ū	400
carbon disulfide	U	400	m&p-xylenes	Ū	400
methyl t-butyl ether (MTBE)	U	400	o-xylene	Ū	400
trans-1,2-dichloroethene	U	400	styrene	Ū	400
isopropyl ether (DIPE)	U	400	bromoform	ŭ	400
ethyl t-butyl ether (ETBE)	U	400	isopropylbenzene	ũ	400
1,1-dichloroethane	430	400	1,1,2,2-tetrachloroethane	Ũ	400
t-butanol (TBA)	U	8000	1,2,3-trichloropropane	Ŭ	400
2-butanone (MEK)	U	2000	n-propylbenzene	Ŭ	400
2,2-dichloropropane	U	400	bromobenzene	Ŭ	400
cis-1,2-dichloroethene	U	400	1,3,5-trimethylbenzene	ບ	400
chloroform	U	400	2-chlorotoluene	Ũ	400
bromochloromethane	U	400	4-chlorotoluene	Ŭ	400
tetrahydrofuran (THF)	U	2000	tert-butylbenzene	Ũ	400
1,1,1-trichloroethane	23000	400	1,2,4-trimethylbenzene	Ŭ	400
1,1-dichloropropene	U	400	sec-butylbenzene	Ŭ	400
t-amyl-methyl ether (TAME)	U	400	1,3-dichlorobenzene	Ŭ	400
carbon tetrachloride	Ú	400	4-isopropyltoluene	Ŭ	400
1,2-dichloroethane	1600	400	1,4-dichlorobenzene	Ŭ	400
benzene	U	400	1,2-dichlorobenzene	บ	400
trichloroethene	57000	400	n-butylbenzene	Ŭ	400
1,2-dichloropropane	U	400	1,2-dibromo-3-chloropropane	Ŭ	400
bromodichloromethane	Ũ	400	1,2,4-trichlorobenzene	U	400
dibromomethane	ũ	400	hexachlorobutadiene	Ŭ	400
4-methyl-2-pentanone (MIBK)	Ŭ	2000	naphthalene	Ŭ	1000
cis-1,3-dichloropropene	Ŭ	400	1,2,3-trichlorobenzene	Ű	400
toluene	2500	400	1,2,3-(1011010061126118	0	400
	2000	400			
SURROGATE STANDARDS	Recovery	Acceptan	ca l imite		
	(%)	(%)	oo cumo		
dibromofluoromethane	95	78-114			
toluene-D8	108				
4-bromofluorobenzene		88-110			
7-51011010000000000000000000000000000000	97	86-115			

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	.imit	Concentration	Quantitation Limit
at the second second	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	- <u></u> , _	40
chloromethane	U	40	2-hexanone	Ŭ	200
vinyl chloride	U	40	1,1,2-trichloroethane	Ū	40
bromomethane	U	40	1,3-dichloropropane	Ŭ	40
chloroethane	U	40	tetrachloroethene	6900	40
trichlorofluoromethane	U	40	dibromochloromethane	U	40
diethyl ether	U	200	1,2-dibromoethane	Ŭ	40
acetone	U	200	chlorobenzene	ŭ	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	Ŭ	40
trans-1,2-dichloroethene	U	40	styrene	ŭ	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	isopropylbenzene	Ŭ	40
1,1-dichloroethane	230	40	1,1,2,2-tetrachloroethane	Ŭ	40
t-butanol (TBA)	U	800	1,2,3-trichloropropane	Ŭ	40
2-butanone (MEK)	U	200	n-propylbenzene	ŭ	40
2,2-dichloropropane	U	40	bromobenzene	Ŭ	40
cis-1,2-dichloroethene	92	40	1,3,5-trimethylbenzene	U	
chloroform	U	40	2-chlorotoluene	U U	40 40
bromochloromethane	ប	40	4-chlorotoluene	U	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	U	40
1,1,1-trichloroethane	7800	40	1,2,4-trimethylbenzene	U	
1,1-dichloropropene	U	40	sec-butylbenzene	U	40 40
t-amyi-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U	
carbon tetrachloride	U	40	4-isopropyltoluene	U	40 40
1,2-dichloroethane	470	40	1,4-dichlorobenzene	U	40 40
benzene	U	40	1,2-dichlorobenzene	140	
trichloroethene	19000 D	100	n-butylbenzene	140 U	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	U	40
dlbromomethane	U	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	U	40
cis-1,3-dichloropropene	Ū	40	1,2,3-trichlorobenzene	U	100
toluene	420	40		U	40
SURROGATE STANDARDS	Recovery	Acceptanc	e limite		
	/0/ \	. Soopean			

SURROGATE STANDARDS	Recovery
	(%)
dibromofluoromethane	93
toluene-D8	104
4-bromofluorobenzene	102

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

(%)

78-114

88-110

86-115

10154-16
ESM-01
4/7/06
4/13/06
Water
1
CWC

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	imit	Concentration	Quantitation Limit
16 1 1 11 11 11 11	ug/L	ug/L		ug/L	ug/L
dichlorodifiuoromethane	U	2	trans-1,3-dichloropropene	Ų	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	22	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	υ	2
chloroethane	54	2	tetrachloroethene	21	2
trichlorofluoromethane	U	2	dibromochloromethane	U	2
diethyl ether	U	10	1,2-dibromoethane	U	2
acelone	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	Ū	2
1,1-dichloroethane	110	2	1,1,2,2-tetrachloroethane	Ŭ	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	Ū	2
2-butanone (MEK)	U	10	n-propylbenzene	Ŭ	2
2,2-dichloropropane	U	2	bromobenzene	ŭ	2
cis-1,2-dichloroethene	13	2	1,3,5-trimethylbenzene	ŭ	2
chloroform	U	2	2-chlorotoluene	Ũ	2
bromochloromethane	U	2	4-chlorotoluene	Ū	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	Ū	2
1,1,1-trichloroethane	18	2	1,2,4-trimethylbenzene	Ŭ	2
1,1-dichloropropene	U	2	sec-butylbenzene	Ű	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	Ŭ	2
carbon tetrachloride	U	2	4-isopropyltoluene	11	2
1,2-dichloroethane	3	2	1,4-dichlorobenzene	Ŭ	2
benzene	U	2	1,2-dichlorobenzene	83	2
trichloroethene	16	2	n-butylbenzene	Ŭ	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	Ŭ	2
bromodichloromethane	U	2	1,2,4-trichlorobenzene	Ũ	2
dibromomethane	U	2	hexachlorobutadiene	Ŭ	2
4-methyl-2-pentanone (MIBK)	U	10	naphthalene	Ŭ	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	Ŭ	2
toluene	8	2	1,4-dioxane	Ŭ	50
				0	50
SURROGATE STANDARDS	Recovery	Acceptance	e Limits		
	(%)	(%)			
dibromofluoromethane	92	78-114			
toluene-D8	102	88-110			
4-bromofluorobenzena	111	86-115			
	11	00-115			

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	O	
			Quantitation Limit	Date of Analysis
Diesel PAH Analytes:		ug/L	ug/L	
naphthalene		U	0.5	
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:		0	0.5	4/20/06
acenaphthylene		U	0.5	4100/00
fluorene		Ŭ	0.5 0.5	4/20/06
anthracene		Ŭ	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 4/20/06
benzo(g,h,i)perylene		0.8	0.5	
Ranges:			0.0	4/20/06
Unadjusted C11-C22 Aromatics (1)		U	200	4/20/06
C9-C18 Aliphatic Hydrocarbons (1)		Ŭ	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)		Ū	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)		Ŭ	200	4/20/06
Extraction Surrogate Recoveries:		-	200	4/20/00
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 an				

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.

1

Lab Number: Sample Designation: Date Sampled: Date Received: Date Extracted; Matrix: Containers: Sample Preservation; Temperature: Dilution Factor: Analyst:	10154-07 ESM13 4/6/06 4/7/06 4/11/06 Water Satisfactory pH ≤ 2 Received on Ice a 1 AJD	t 4±2°C		
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		Ŭ	0.6	4/20/06
benzo(a)anthracene		Ŭ	0.6	
chrysene		U		4/20/06
benzo(b)fluoranthene		U	0.6	4/20/06
benzo(k)fluoranthene			0.6	4/20/06
		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
bелzo(g,h,i)perylene Ranges:		U	0.6	4/20/06
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	Λ	0-140%		
	~			

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:	10154-08			
Sample Designation:	ESM-8B			
Date Sampled:	4/6/06			
Date Received:	4/7/06			
Date Extracted:	4/11/06			
Matrix:				
Containers:	Water			
Sample Preservation:	Satisfactory			
Temperature:	pH≤2			
Dilution Factor:	Received on Ice	at 4±2°C		
	1			
Analyst:	AJD			
EPH ANALYTICAL RESULTS				
Method for Ranges: MADEP EPH 2004-1.1				
Method for Target Analytes: EPA 8270C		Concentration	Quantitation Limit	Date of Analysis
		ug/L	ug/L	Date Of Analysis
Diesel PAH Analytes:		4912	uyr	
паphthalene		U	0.5	4/20/06
2-methylnaphthalene		Ŭ	0.5	4/20/06
phenanthrene		U	0.5	
acenaphthene		U		4/20/06
Other PAH Analytes:		U	0.5	4/20/06
acenaphthylene		U	0.5	4/20/00
fluorene		U		4/20/06
anthracene			0.5	4/20/06
fluoranthene		U	0.5	4/20/06
		U	0.5	4/20/06
pyrene benzo(a)anthracene		U	0.5	4/20/06
		U	0.5	4/20/06
chrysene bonzo(b)fluoronthene		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 Allphatic 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-fluorobiphenyi		102%		
2-bromonaphthalene		102%		
Surrogate Acceptance Range		40-140%		
Alt I m .				

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.

V

Lab Number: Sample Designation: Date Sampled: Date Received: Date Extracted: Matrlx: Containers: Sample Preservation: Temperature: Dilution Factor: Analyst:	10154-09 ESM-8 4/6/06 4/7/06 4/11/06 Water Satisfactory pH ≤ 2 Received on Ice a 1 AJD	at 4±2°C		
EPH ANALYTICAL RESULTS				
Method for Ranges: MADEP EPH 2004-1.1 Method for Target Analytes: EPA 8270C		O and a start little		
		Concentration ug/L	Quantitation Limit ug/L	Date of Analysis
Diesel PAH Analytes:		0	- 2	
naphthalene		U	0.8	4/20/06
2-methylnaphthalene		U	0.8	4/20/06
phenanthrene		U	0.8	4/20/06
Other PAH Analytes:		U	0.8	4/20/06
acenaphthylene		U	0.8	4/20/06
fluorene		Ŭ	0.8	4/20/06
anthracene		Ŭ	0.8	4/20/06
fluoranthene		1.0	0.8	
pyrene		1.1	0.8	4/20/06
benzo(a)anthracene		Ŭ		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			0.8	4/20/06
indeno(1,2,3-cd)pyrene		0.5	0.3	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:		U	0.8	4/20/06
Unadjusted C11-C22 Aromatics (1)			200	100000
C9-C18 Aliphatic Hydrocarbons (1)		U	300	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)		U U	300	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)			300	4/20/06
Extraction Surrogate Recoveries:		U	300	4/20/06
1-chloro-octadecane		22% #		
o-terphenyl		43%		
Fractionation Surrogate Recoveries:		-10 /0		
2-fluorobiphenyi		113%		
2-bromonaphthalene		109%		
Surrogate Acceptance Range		40-140%	9	
		TV-14070		

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:	10154-01
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

	Concentration	Quantitation Limit
DOD (010	ug/L	ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	Ŭ	
PCB-1232	_	0.3
	U	0.3
PCB-1248	U	0.3
PCB-1254	U	0.3
PCB-1260	Ŭ	
PCB-1262	-	0.3
	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery	Acceptance Limits
T =6 11	(%)	(%)
Tetrachloro-m-xylene	65	30-150
Decachlorobiphenyl	87	30-150

U = Below quantitation limit

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

	Concentration	Quantitation Limit
PCB-1016	ug/L	ug/L
	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	Ŭ	0.3
PCB-1268	U	0.3

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

U = Below quantitation limit

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

	Concentration	Quantitation Limit
DOD 4040	ug/L	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

	Concentration	Quantitation Limit
	ug/L	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

RL Resource Laboratorics, LLC

V

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

	Concentration	Quantitation Limit
	ug/L	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	 []	0.3
PCB-1260	U	0.3
PCB-1262	Ŭ	
PCB-1268	_	0.3
1.00-1200	U	0.3

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

	Concentration	Quantitation Limit
	ug/L	ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	Ų	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

RL Resource Laboratories, LLC

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

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

SURROGATE STANDARDS	Recovery	Acceptance Limits
Teleschild	(%)	(%)
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

RL Resource Laboratories, LLC

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

	Concentration	Quantitation Limit
	ug/L	ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	Ŭ	
PCB-1232	•	0.3
PCB-1248	U	0.3
	U	0.3
PCB-1254	U	0.3
PCB-1260	U	0.3
PCB-1262	-	
PCB-1268	U	0.3
100-1200	U	0.3

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

U = Below quantitation limit

RL Resource Laboratories, LLC

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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

	Concentration	Quantitation Limit
	ug/L	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	9 6	30-150

Note: A non-aracker like compound was observed in this sample.

U = Below quantitation limit

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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

	Concentration	Quantitation Limit
	ug/L	ug/L
PCB-1016	U	0.3
PCB-1242	U	0.3
PCB-1221	ป	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

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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

	Concentration	Quantitation Limit
	ug/L	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	ប	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

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	Ū	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

RL Resource Laboratories, LLC

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

Lab Number: 10154-002

Sample ID: ESM11

Matrix: Water

Sampled: 4/7/06 10:30

e.		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	1 6:31	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	<u>,</u> 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

·		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/12/06	16:39	SW3005A60108
Barlum	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	16:3 9	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

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Matrix: Water
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Sampled: 4/7/06 8:15

		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	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/∟	1	BJS	N/A	4/12/06	16:34	SW3005A6010B

Quality Control Report

RESOURCE LABORATORIES, LLC.

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.

Mcthod 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.

<u>Other</u>

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 nonaroclor 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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Laboratory Name: Resource Laboratories, LLC						Lab # 10154		
Project Location Hyde Park Project # MADEP RTN (if available)								
	vides certifications for the follo amples numbers)	owing data set i	n the L	ab # refe	renced abo	ove (see Chain of		
Sample Matri	ces: Groundwater (x) Soil/Se	ediment () Dri	nking	Water () Other:	11 1 1 1 2 1 1 1		
MCP SW-	8260 (x) 8081 ()	6010	(x)	Cyanid	e ()	Other ()		
846 Methods	8270 () VPH (x)	7470/7471	(x)	Other	()	Other ()		
Used	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 Yes (x) No() documentation for the data set?							
В	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?					No()		
С	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?"							
D	VPH and EPH methods only: Was the VPH or EPHYes ()No (x)method run without significant modifications? (see Section11.3 of respective Methods)No (x)							
E	Were all QC performance standards and recommendations for the specified methods achieved? Yes () No (x)							
3	Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes () No (x)							
of those respon	•	ed? penalties of per ition, the materi	jury th	at, based				

Signature: June All

Position: Lab Director

Printed Name: Susan C. Sylvester

4-27-06 Date:

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

	Spike	Sample	MS/LCS		QC	1
	Added	Concentration	Concentration	%	Lower	QC Upper
Compound	(ug/L)	(ug/L)	(ug/L)	Recovery	Limit	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%
p-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%

	Spike	Sample	MSD/LCSD		QC			1
	Added	Concentration	Concentration	%	Lower	QC Upper		RPD
Compound	(ug/L)	(ug/L)	(ug/L)	Recovery	Limit	Limit	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-dibromololuene 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	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	υ	2	trans-1,3-dichloropropene	U	2
chloromethane	U	2	2-hexanone	U	10
vinyl chioride	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
diethyi 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	υ	2
ethyl t-butyl ether (ETBE)	U	2	lsopropylbenzene	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-propyibenzene	U	2
2,2-dlchloropropane	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	Acceptant	ce Limits		
	(%)	(%)			
dibromofluoromethane	95	78-114			
toluene-D8	102	88-110			
4-bromofluorobenzene	100	86-115			

U = Below quantitation limit

Lab Number.	10154-51
Sample Designation;	Lab Control Sample/Lab Control Sample Duplicate
File Name:	C:\DATAVOA03\041206\V3041247.D
Dale Analyzed: SW 846 Melhod 5030B,	4/13/06

Compound	LCS Amount Found	% Recovery	LC: Amount Found	% Recovery	F
dichlorodifluoromethane	13	67% *	13	67% *	
chloromethane	15	75%	-		
			15	73%	
vinyt chtoride	16	79%	16	80%	
bromonielhane	15	74%	16	78%	
chloroelhane	15	77%	15	77%	
Irichiorofluoromethane	17	86%	17	87%	
dielhyleiher	18	90%	18	88%	
acelone	15	76%	15	77%	
1,1-dichloroethene	18	92%	18	90%	
melhylene chloride	18	89%	18	92%	
carbon disulfide	18	90%	17	87%	
methyl-t-butyl other (MTBE)	34	85%	34	84%	
rans-1.2-dichlorcethene	19	94%	18	89%	
sopropyl ether (DIPE)					
	18	92%	18	91%	
alhyl-l-bulyl elher (ETBE)	18	91%	19	93%	
1,1-dichloroelhane	17	85%	17	83%	
-bulanoi (TBA)	73	73%	77	77%	
2-bulanone (MEK)	15	77%	16	78%	
2,2-dichloropropane	12			59% *	
		0∡ %	12	00/9	
is-1,2-dichloroethene	21	103%	20	101%	
hloroform	19	95%	18	92%	
romochloromethane	21	105%	21	105%	1
eirahydrofuran (THF)	16	79%	17	83%	
,1,1-Irichloroethane	18	91%	18	86%	
,1-dichloropropane	20	99%	18	91%	1
amyl-melhyl elher (TAME)	19	93%	18	90%	
arbon tetrachloride	16	81%	16	80%	
,2-dichloroelhane	17	84%	16	82%	
-					
enzene	20	101%	19	94%	
tchloroethene	21	106%	21	103%	1
,2-dichloropropane	19	97%	19	93%	
romodichloromethane	16	82%	17	83%	:
bromomethane	20	102%	20	101%	
melhyl-2-pentanone (MIBK)	18	90%	19	94%	
s-1,3-dichtoropropene	18	90%	18	89%	
buene	20	101%	21	104%	;
ans-1,3-dichloropropene	16	80%	16	79%	
hexanone	16				
		78%	16	80%	
1,2-trichloroethane	21	103%	21	103%	
3-dichloropropane	21	106%	22	109%	:
liachloroelhene	26	129%	25	125%	:
bromochloromethane	20	98%	21	106%	
2-dibromoethane (EDB)	21		_		
		106%	22	112%	E
nlorobenzene	22	111%	23	113%	:
1,1,2-tetrachloroethane	21	106%	22	111%	4
hylbenzene	22	109%	22	111%	:
&p-xvlenes	46	115%	45	114%	
xylene	23				
		115%	24	118%	3
yrono	22	112%	15	75%	Э
emelom	21	104%	22	110%	e
propylbenzene	24	119%	25	123%	4
1,2,2-letrachioroethane	18	89%	19	96%	-
2,3-Irichloropropane	17	87%	18	92%	Ę
propylbenzene	20	101%	20	101%	•
omobenzene	21	105%	22	109%	4
3,5-Irimethylbenzene	19	96%	19	95%	1
chlorololuane	19	94%	19	95%	1
chlorololuene					
	19	94%	19	95%	1
t-butylbenzene	18	38%	18	88%	0
2,4-Irimethylbenzene	19	97%	20	100%	3
c-bulylbenzene	20	101%	20	99%	
3-dichlorobenzene	20				
		102%	21	105%	3
sopropylloluene	21	104%	21	105%	1
l-dichlorobenzene	20	101%	20	102%	1
dichlorobenzene	21	104%	21	104%	C
oulyibenzene	20	101%	20	102%	
•					
-dibromo-3-chloropropane (16	80%	18	88%	2
2,4-trichlorobonzeno	19	95%	19	97%	2
xachlorobuladlene	20	100%	19	94%	E
phihalene	15	77%	17	64%	ç
2,3-trichlorobenzane					
	19	96%	20	102%	5
l-dioxane	34	85%	33	84%	2
JRROGATE STANDARDS					
dibromofluoromethane		(159/		0.00/	
		95%		96%	
loluene-D8		104%		98%	

Proliminary 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	Quantitation Lin	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	chiorobenzene	U	2
1,1-dichloroethene	U	1	1,1,1,2-tetrachioroethane	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 tetrachioride	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	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	102	88-110			
4-bromofluorobenzene	99	86-115			
	22	611-00			

U = Below quantitation limit

Lab Number: 10154-53 Sample Designation: File Name: Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\041206\V3041223.D Date Analyzed: 4 SW 846 Method 5030B/8260B 4/12/08

Compound	LC: Amount Found	5 % Recovery	Amount Found	SD % Recovery	RPD
dichlorodifluoromethane	15	77%	4110010 FOUID	67% *	14%
chloromethane	17	83%	16	78%	6%
vinyi chioride	18	89%	16	62%	7%
bromomethane	18	88%	16	80%	10%
chloroethane	17	87%	16	78%	12%
	20	98%	17	84%	15%
trichiorofluoromethane					
dielhylether	19	95%	19	97%	2%
acetone	15	75%	14	72%	5%
1,1-dichloroethene	20	99%	19	94%	5%
methylens chloride	20	102%	19	96%	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-l-bulyl othor (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-dichloroelhene	23	113%	21	105%	7%
chloroform	21	104%	20	98%	6%
bromochloromethane	23			111%	4%
		115%	22		
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-dichioraethane	18	90%	17	86%	5%
benzena	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%
sis-1,3-dichloropropene	21	103%	19	97%	6%
oluene	22	111%	22	108%	3%
rans-1,3-dichloropropene	18	88%	18	90%	2%
2-hexanone	19	94%	18	92%	2%
	22				
1,1,2-trichloroethane		110%	21	107%	3%
1,3-dichloropropane	22	110%	22	110%	0%
etrachloroethene	25	124%	24	120%	4%
dibromochloromethane	19	94%	20	101%	7%
(2-dibromoethane (208)	22	111%	23	115%	3%
chlorobenzerie	23	115%	22	112%	3%
1,1,1,2-letrachloroethane	20	100%	21	104%	4%
hybanzene	22	112%	22	111%	1%
18p-xylenes	48	119%	47	117%	2%
-xylene	24	121%	24	119%	1%
lyrene	24	118%	23	117%	1%
ramoform	19	96%	20	100%	4%
sopropylbenzene	25	125%	24	119%	5%
,1,2,2-telrachloroethane	19	93%	19	93%	1%
,2,3-trichloropropane	18	92%	18	92%	0%
	21	107%	21	104%	3%
-propylbanzena					
romobenzene	22	112%	22	109%	2%
3,5-trimethylbenzene	20	102%	20	98%	4%
-chlorotoluene	19	97%	20	98%	0%
-chlorololuene	20	101%	19	94%	7%
ert-butylbenzene	18	91%	18	89%	2%
2,4-trimethylbenzene	20	102%	20	101%	1%
ec-bulyibenzene	20	101%	19	87%	3%
,3-dichlorobenzene	21	105%	20	101%	5%
-isopropytiolugne	22	110%	22	109%	1%
4-dichlorobenzene	21	105%	21	103%	2%
2-dichlorobenzene	21	107%	21	107%	0%
-butylbenzene	22	108%	21	104%	4%
,2-dibromo-3-chioropropane i	17	84%	17	85%	1%
,2,4-trichlorobenzene	20	100%	20	98%	2%
exachiorobutadiene	21	103%	21	103%	0%
aphthalene	17	84%	17	86%	2%
2,3-trichlorobenzene	21	103%	21	106%	3%
4-dioxane	40	100%	39	97%	3%
URROGATE STANDARDS S dibromofluoromethane		98%		96%	
S toluene-D8		106%		108%	
S 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.

10154-56
Method Blank
N/A
4/14/06
Water
1
LMM

VOLATILE ORGANICS

SW 846 Method 5030B/8260B

	Concentration	Quantitation Lir	mil	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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)	Ų	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	Ū	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichloroethane	Ū	2	1,2,4-trimethylbenzene	U	2
1,1-dichloropropene	Ŭ	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	Ū	2	4-isopropyltoluene	U	2
1,2-dichloroethane	Ū	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	IJ	50
	0		.,. =======	_	
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	97	78-114			
toluene-D8	108	88-110			
4-bromofluorobenzene	102	86-115			
+-womonoorooenzene	102	GUL-00			

U = Below quantitation limit

Lab Number; 10154-57 Sample Designation: File Namo: Date Analyzed: 4/14/06 SW 846 Method 5030B/8260B

Lab Control Sample/Lab Control Sample Duplicate C:\DATA\VOA03\041306\V3041347.D

Compound	Amount Found	% Recovery	Amount Found	% Recovery		
dichlorodifluoromothane	15	74%	12	62%	*	1
chloromethane	17	87%	16	80%		
vinyl chloride	23	115%	20	98%		
bromomethane	17	85%	16	82%		
chioroethane	17	87%	17	83%		
Irichlorofluoromethaue	19	93%	17	84%		
diethylether	18	91%	18	92%		
acatone	17	85%	16	80%		
1,1-dichloroethene	19	94%	16	81%		
methylene chloride	19	94%	18	90%		
arbon disulfide	18	90%	16	80%		
methyl-t-butyl ether (MTBE)	36	89%	34	86%		
rans-1,2-dichloroelhone	19	93%	17	86%		
sopropyl ether (DIPE)	19	95%	18	89%		
othyl-t-bulyl ether (ETBE)	19	95%	18	92%		
,1-dichloroethane	18	89%	16	82%		
	84		80	80%		
-butanol (TBA)		84%				
P-butanone (MEK)	18	89%	17	84%	*	
2-dichlorapropano	11	3/76	11	53%		
is-1,2-dichloroethene	21	105%	19	94%		•
hloroform	19	97%	18	90%		
romochloromelhane	22	109%	20	102%		
etrahydrofuran (THF)	19	94%	19	93%		
,1,1-trichloroethane	19	95%	17	87%		
,1-dichloropropene	20	101%	18	91%		•
amyl-melhyl ethor (TAME)	19	95%	18	92%		
arbon tetrachioride	17	87%	16	80%		
2-dichloroethane	18	88%	16	82%		
enzena	21	104%	18	92%		1
ichtoroethene	21	106%	19	93%		
.2-dichloropropane	20	102%	19	94%		
romodichloromethane	17	87%	16	54% 81%		
ibromomethane	21	104%	20	95%		1
methyl-2-pentanone (MIBK)	20	100%	20	99%		
s-1,3-dichloropropene	19	93%	17	83%		1
oluone	22	109%	19	94%		1
ans-1,3-dichloropropene	16	80%	15	75%		
-hexanona	17	87%	15	74%		1
1,2-trichloroethane	21	104%	20	98%		
3-dichloropropane	21	103%	20	99%		
Inachloroethene	23	114%	22	108%		;
bromochloromethane	19	97%	19	96%		
2-dibromoethane (EDB)	20	102%	20	102%		
nlorobenzene	21	107%	20	101%		1
1,1,2-tetrachloroethane	21	103%	20	99%		
hvibenzene	21	106%	20			
				100%		
&p-xylenos	44	110%	42	105%		1
xylarie	23	113%	21	105%		
yrane	21	106%	13	64%	#	4
omoform	20	102%	20	102%		-
opropylbenzene	22	110%	21	106%		
1,2,2-tetrachloroethane	18	91%	18	91%		(
2,3-trichloropropana	18	90%	17	86%		
propylbenzene	20	102%	18	92%		ş
omobelizene	21	103%	20	98%		ł
3.5-trimethylbenzene	19	97%	18	90%		ì
chlorotoluene	19	93%	18	88%		(
chlorololuene	20	99%	17			1
				86%		
t-butylbenzene	20	100%	19	95%		1
2,4-lrimethylbenzone	19	96%	18	92%		1
c-butylbenzene	19	97%	18	91%		6
3-dichlorobenzene	20	100%	19	94%		7
sopropylloluene	21	106%	19	94%		1
l-dichlorobonzene	20	100%	18	91%		1
2-dichlorobenzene	21	105%	19	96%		ç
butylbenzene	20	99%	18	92%		
2-dibromo-3-chtoropropane	18	92%	17	87%		ł
2,4-trichlorobenzene	19	95%	17	86%		1
xachlorobutadiona	19	96%	18	92%		5
phthalene	16	81%	15	75%		7
2,3-trichlorobenzene	20	100%	18	92%		6
l-dioxang	39	98%	42	104%		e
- GIGAETIG		30 /p	42	1079 70		1
IRROGATE STANDARDS						
		000		000		
dibromofluoromethane		99%		98%		
toluena-D8		109%		106%		
4-bromofluorobenzene		102%		103%		

+

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		Concontration	Quantitation Limit	Date of Analysis
motion for furgot Analytes. El A 62700		ug/L	ug/L	Date Of Analysis
Diesel PAH Analytes:		uyre	чуr	
naphthalene		U	0.5	4/19/06
2-methylnaphthalene		Ŭ	0.5	4/19/06
phenanthrene		Ŭ	0.5	4/19/06
acenaphthene		ŭ	0.5	4/19/06
Other PAH Analytes:		0	0.0	410/00
acenaphthylene		U	0.5	4/19/06
fluorene		Ŭ	0.5	4/19/06
anthracene		Ŭ	0.5	4/19/06
fluoranthene		Ŭ	0.5	4/19/06
pyrene		Ŭ	0.5	4/19/06
benzo(a)anthracene		Ŭ	0.5	4/19/06
chrysene		Ŭ	0.5	4/19/06
benzo(b)fluoranthene		Ŭ	0.5	4/19/06
benzo(k)fluoranthene		Ŭ	0.5	4/19/06
benzo(a)pyrene		Ŭ	0.2	4/19/06
indeno(1,2,3-cd)pyrene		Ŭ	0.5	4/19/06
dibenzo(a,h)anthracene		Ŭ	0.5	4/19/06
benzo(g,h,i)perylene		Ŭ	0.5	4/19/06
Ranges:		-	÷	
Unadjusted C11-C22 Aromatics (1)		U	200	4/19/06
C9-C18 Aliphatic Hydrocarbons (1)		Ŭ	200	4/20/06
C19-C36 Aliphatic Hydrocarbons (1)		Ŭ	200	4/20/06
C11-C22 Aromatic Hydrocarbons (1,2)		Ŭ	200	4/19/06
Extraction Surrogate Recoveries:		-		
1-chloro-octadecane		48%		
o-terphenyi		59%		
Fractionation Surrogate Recoveries:		00,0		
2-fluorobiphenyl		112%		
2-bromonaphthalene		109%		
Surrogate Acceptance Range		40-140%		
1 Hydrocarbon Bange data exclude concentrations of a			uting in that range	

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: Sample Designation: Date Sampled: Date Received: Date Extracted: Matrix: Containers: Sample Preservation: Temperature: Dilution Factor: Analyst:	10154-51 Lab Control N/A N/A 4/11/06 Water N/A N/A N/A 1 AJD	Sample/Dup	olicate 180 W					
EPH ANALYTICAL RESULTS		Amount		Amount				
Melhod for Ranges: MADEP EPH 2004-1.1		Found	LCS	Found	LCSD		Acceptance	
Method for Target Analytes: EPA 8270C	Added	in LCS	Recovery	in LCSD	Recovery	RPD	Criteria	Date of Analysis
	ug/L	ug/L	(%)	ug/L	(%)	(%)	(%)	
Diesel PAH Analytes:	~~							
naphthalene	60	32.45	54%	33.33	56%	3%	<25%	4/19/06
2-methyinaphthalene	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
Other PAH Analytes:	60	40.13	67%	39.03	65%	-3%	<25%	4/19/06
	60	07 70	000	00.05	0.4.04	-		414.0400
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%	58.13	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		
e of Analysis	Date of Ar	Acceptance	Aliphatic Breakthrough		
		Criteria	(%)		
4/19/06	4/19/0	<5.0%	0.5%	naphthalene	
4/19/06	4/19/0	<5.0%	0.4%	2-methylnaphthalene	
		<5.0%	0.5%	-	

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 Allphatic Breakthrough	Acceptance	Date of Analysis
(%)	Criteria	
2.4%	<5.0%	4/19/06
0.4%	<5.0%	4/19/06
	Allphatic Breakthrough (%) 2.4%	Aliphatic BreakthroughAcceptance(%)Criteria2.4%<5.0%

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

	Concentration	Quantitation Limit
	ug/L	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

PCB-1016 PCB-1242 PCB-1221	Amount Added ug/L 2	Amount Found In LCS ug/L 1.5	LCS Recovery (%) 75%	Amount Found In LCSD ug/L 1.5	LCSD Recovery (%) 75%	RPD (%) 0.0%	Date of Analysis 4/13/06 4/13/06 4/13/06
PCB-1232 PCB-1248 PCB-1254 PCB-1260 PCB-1262 PCB-1268	2	1.4	70%	1.5	75%	6.9%	4/13/06 4/13/06 4/13/06 4/13/06 4/13/06 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 10154	METALS	QC REPORT
Batch QC Results		

Prep Blank

		Result	Reporting Limit
Analyte	Sample ID #	(mg/L)	(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

		Result	True	Control Limits
Analyte	Sample ID #	(mg/L)	Value (mg/L)	(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)

		Sample Result	Spike Sample Result	Spike Amount	%Recovery Control Limits
Analyte	Sample ID #	(mg/L)	(mg/L)	(mg/L)	(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)

		Sample Result	Spike Sample Result	Spike Amount	%Recovery Control Limits
Analyte	Sample ID #	(mg/L)	(mg/L)	(mg/L)	(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

%Recovery

Mercury	10154-10MSD	0.0002	0.01	0.0		
Relative Percent Difference						
		MS Recovery	MSD Recovery	RPD		
Analyte	Sample ID #	%	%	(+/- 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		

10154-10

10154-10

10154-10

10154-10

Chromium

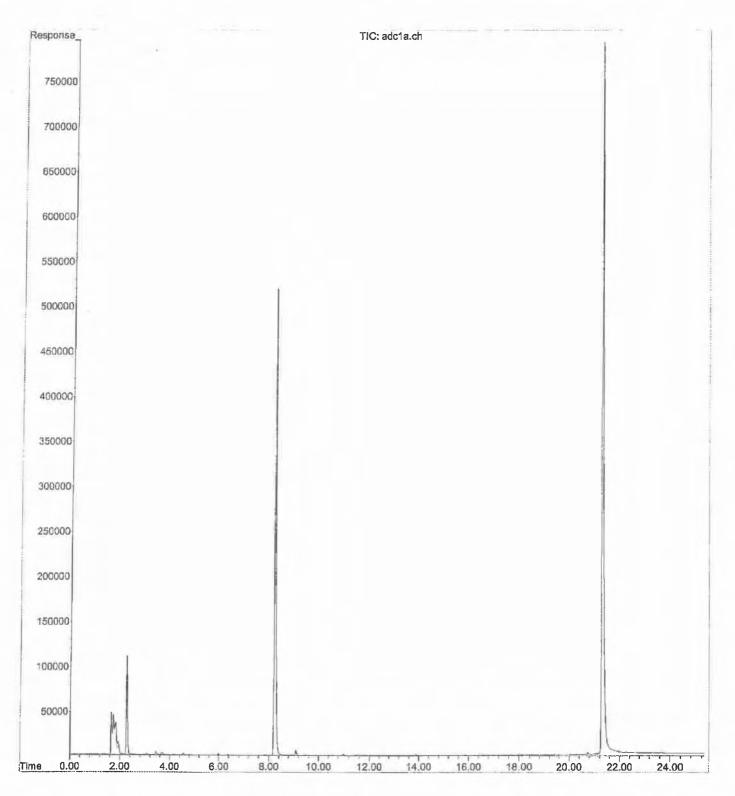
Selenium

Mercury

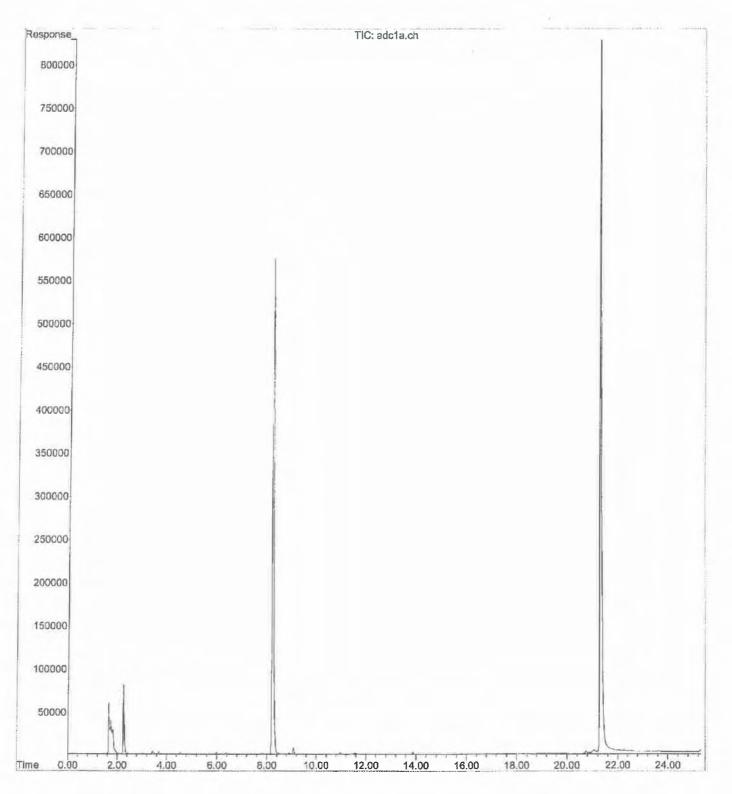
Lead

RL Resource Laboratorics, LLC

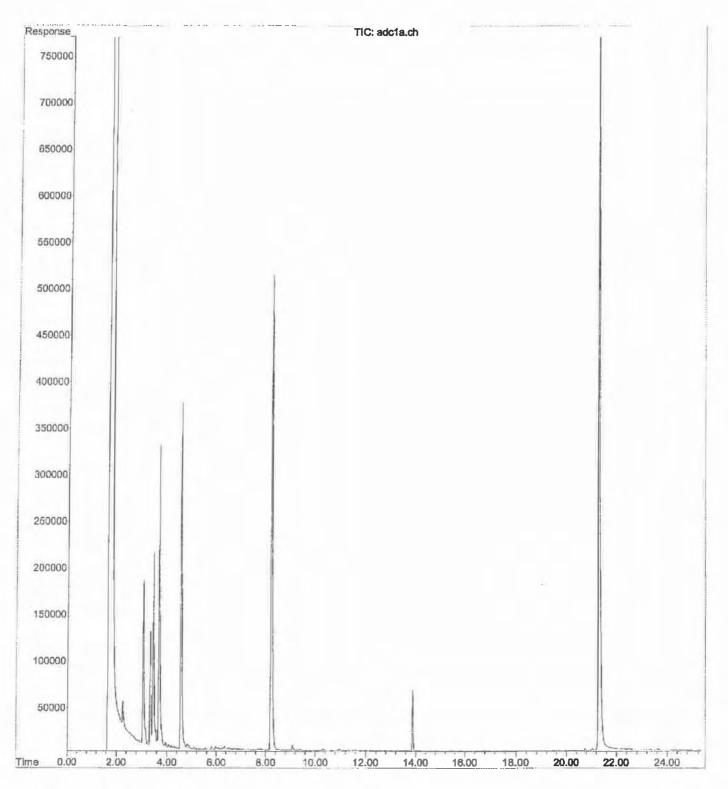
File : X:\DATA\SVOA03\2006\APR06\041306\013F0101.D
Operator : AJD
Acquired : 13 Apr 2006 09:06 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-01 pcb x1
Misc Info :
Vial Number: 13



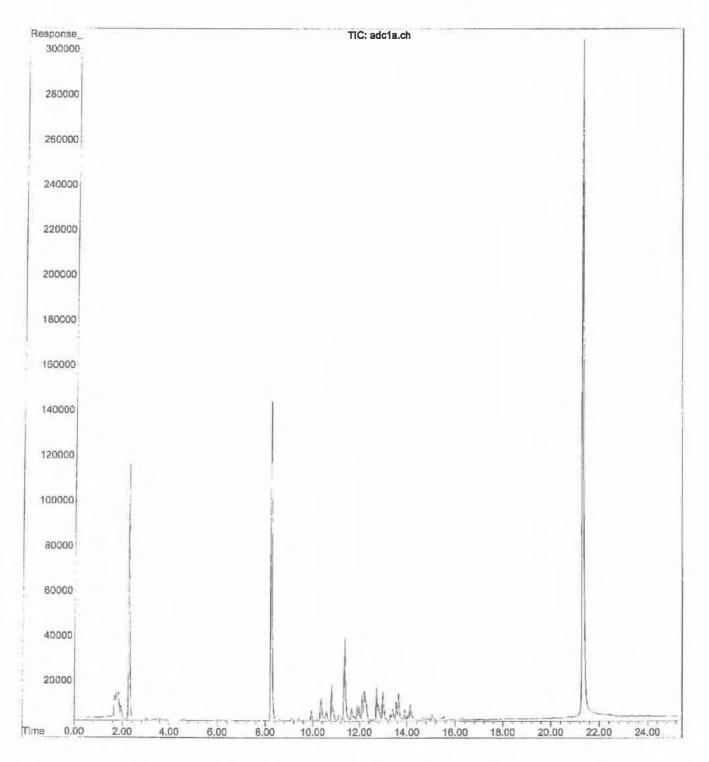
File : X:\DATA\SVOA03\2006\APR06\041306\014F0101.D
Operator : AJD
Acquired : 13 Apr 2006 09:35 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-03 pcb x1
Misc Info :
Vial Number: 14



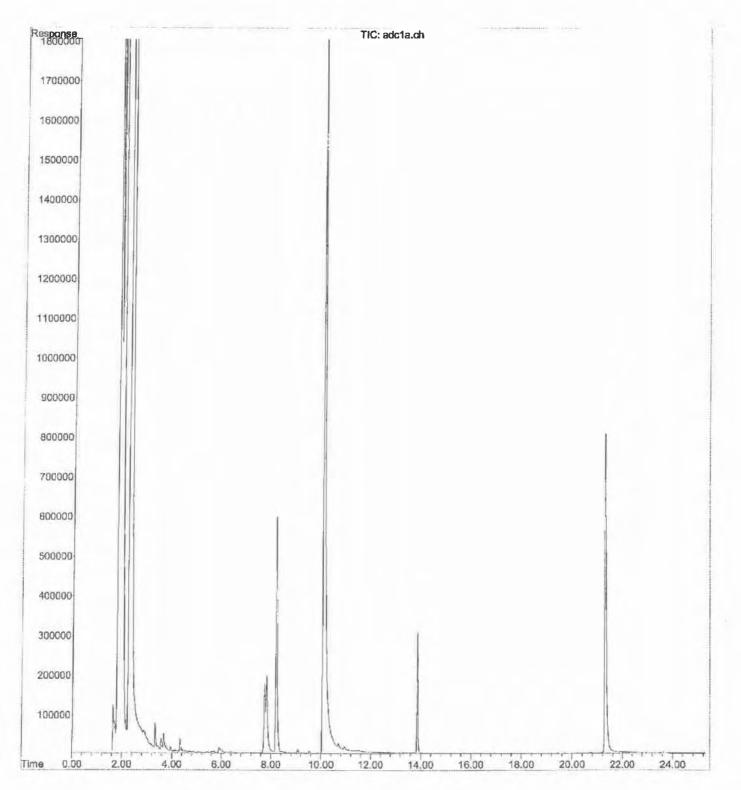
File : X:\DATA\SVOA03\2006\APR06\041306\015F0101.D Operator : AJD Acquired : 13 Apr 2006 10:03 pm using AcqMethod S3PP10B.MTH Instrument : SVOA03 Sample Name: 10154-04 pcb x1 Misc Info : Vial Number: 15



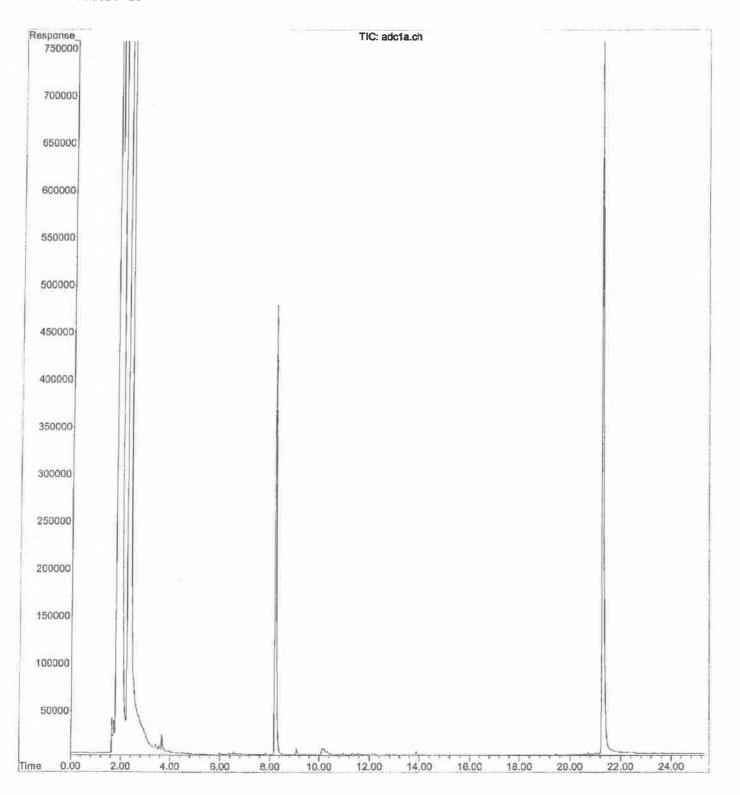
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File : X:\DATA\SVOA03\2006\APR06\041906\010F0101.D
Operator : AJD
Acquired : 19 Apr 2006 06:08 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-05rr pcbx5
Misc Info :
Vial Number: 10
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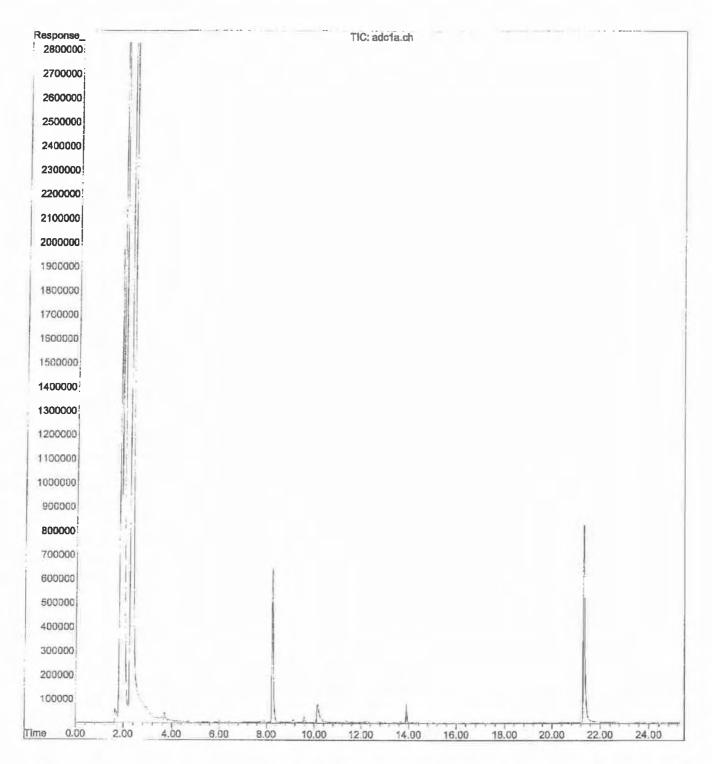
File : X:\DATA\SVOA03\2006\APR06\041306\017F0101.D
Operator : AJD
Acquired : 13 Apr 2006 11:01 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-07 pcb x1
Misc Info :
Vial Number: 17



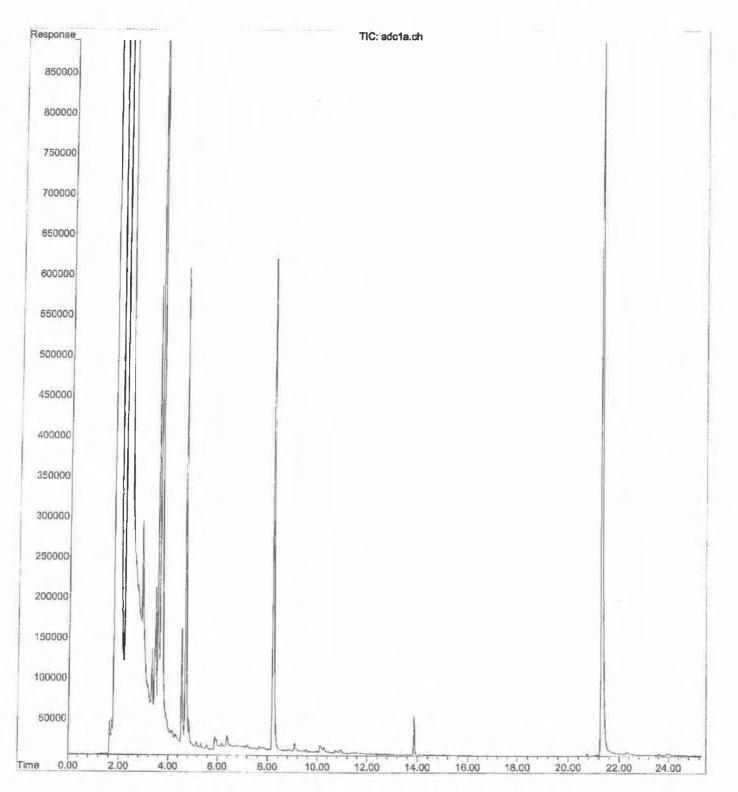
File : X:\DATA\SVOA03\2006\APR06\041306\018F0101.D
Operator : AJD
Acquired : 13 Apr 2006 11:30 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-08 pcb x1
Misc Info :
Vial Number: 18



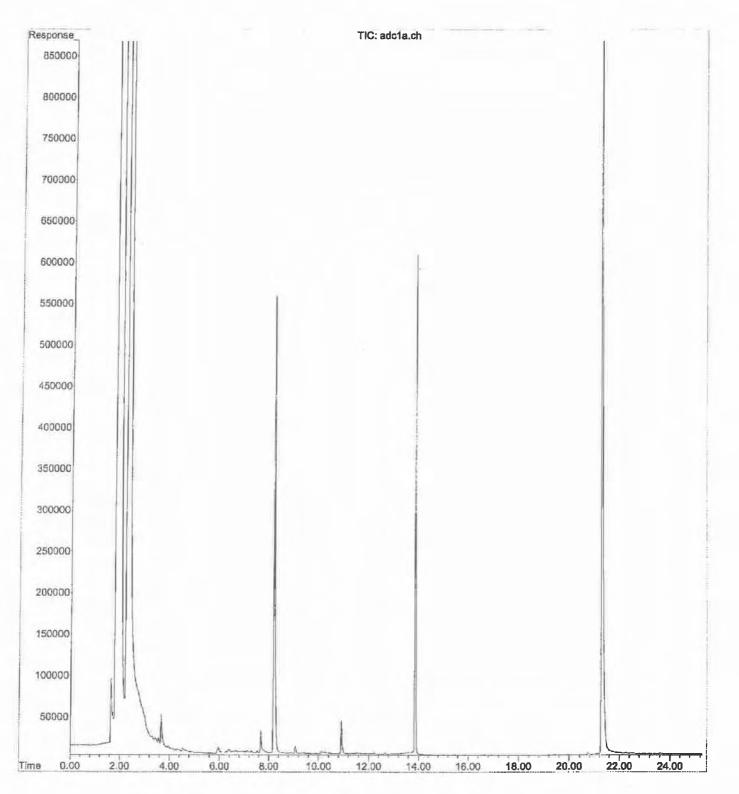
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File : X:\DATA\SVOA03\2006\APR06\041906\007F0101.D
Operator : AJD
Acquired : 19 Apr 2006 04:43 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-09rr pcbx1
Misc Info :
Vial Number: 7
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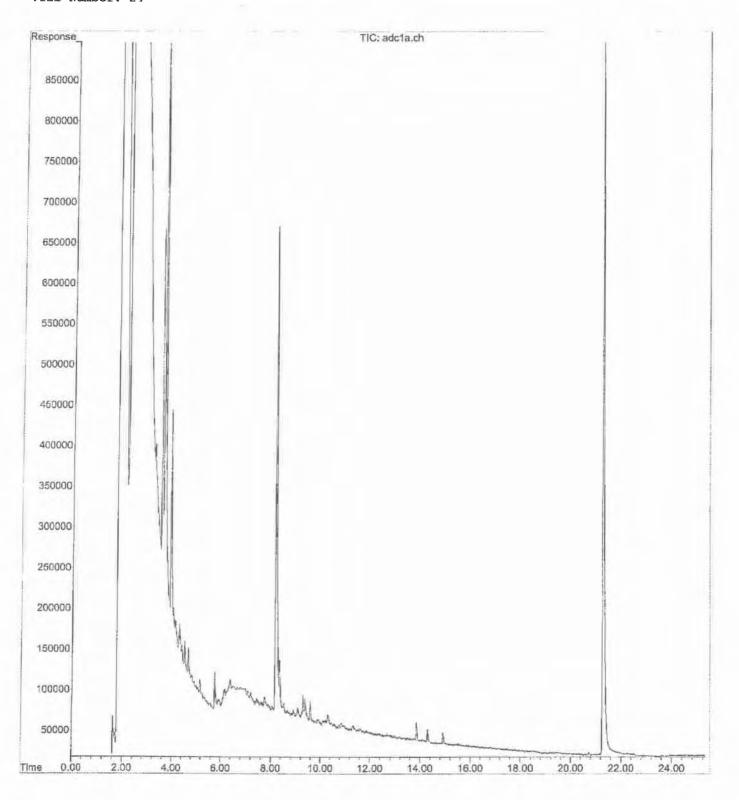
File : X:\DATA\SVOA03\2006\APR06\041306\022F0101.D
Operator : AJD
Acquired : 14 Apr 2006 01:24 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-10 pcb x1
Misc Info :
Vial Number: 22



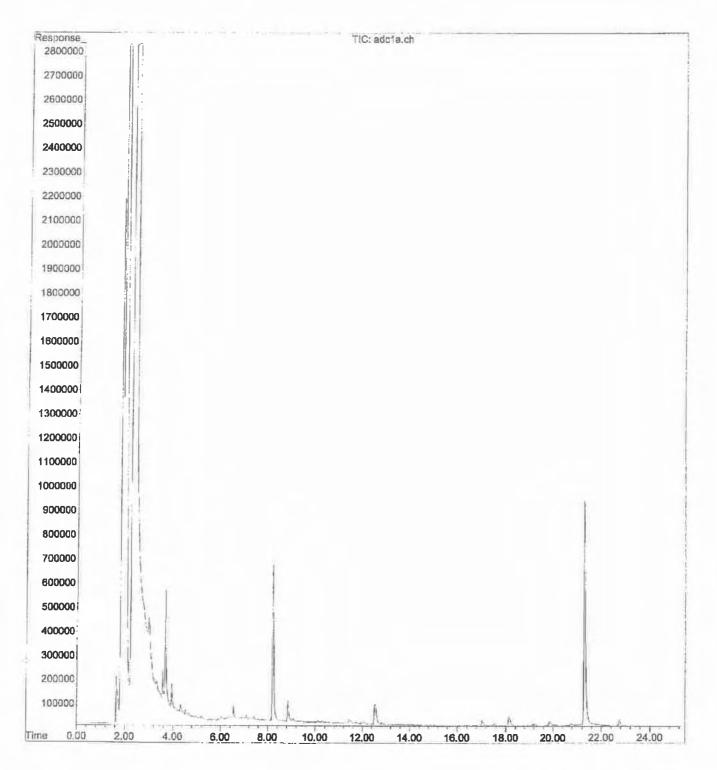
File : X:\DATA\SVOA03\2006\APR06\041306\023F0101.D
Operator : AJD
Acquired : 14 Apr 2006 01:53 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-13 pcb x1
Misc Info :
Vial Number: 23



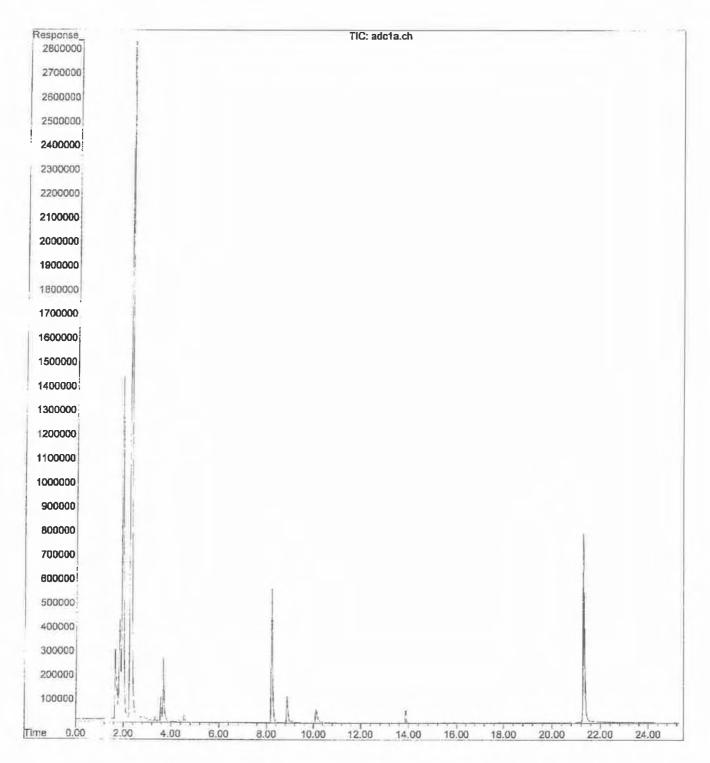
File : X:\DATA\SVOA03\2006\APR06\041306\024F0101.D
Operator : AJD
Acquired : 14 Apr 2006 02:22 am using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10154-14 pcb x1
Misc Info :
Vial Number: 24



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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File : X:\DATA\SVOA03\2006\APR06\041806\013F0101.D
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
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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

28

Date

Total number of pages

Resource Laboratories, LLC Certifications

New Hampshire NH902 Maine NH903 Connecticut PH-0146 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

SW 846 Method 5030B/8260B

	Concentration	Quantilation L	.imit	Concentration	Quantitation Limit
alta fa fa construction de la construcción de la construcción de la construcción de la construcción de la const	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	Ŭ	40
chloromethane	U	40	2-hexanone	Ū	200
vinyl chloride	3900	40	1,1,2-trichloroethane	Ū	40
bromomethane	U	40	1,3-dlchloropropane	Ŭ	40
chloroethane	U	40	tetrachloroethene	Ŭ	40
trichlorofluoromethane	U	40	dibromochloromethane	ŭ	40
diethyl ether	U	200	1,2-dibromoethane	ŭ	40
acetone	U	200	chlorobenzene	Ŭ	40
1,1-dichloroethene	63	20	1,1,1,2-tetrachloroethane	Ŭ	40
methylene chloride	U	100	ethylbenzene	Ŭ	40
carbon disulfide	U	40	m&p-xylenes	49	40
methyl t-butyl ether (MTBE)	Ü	40	o-xylene	45 U	
trans-1,2-dichloroethene	120	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	ប	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 U	40
2-butanone (MEK)	U	200	n-propylbenzene	ŭ	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	ບ ບ	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		40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	U U	40
carbon tetrachloride	U	40	4-isopropyitoluene	U	40
1,2-dichloroethane	410	40	1,4-dichlorobenzene	—	40
benzene	U	40	1,2-dichlorobenzene	U	40
trichloroethene	Ū	40	n-butylbenzene	260	40
1,2-dichloropropane	Ŭ	40	1,2-dibromo-3-chloropropane	U	40
bromodichloromethane	Ŭ	40	1,2,4-trichlorobenzene	U	40
dibromomethane	Ŭ	40	hexachlorobutadiene	U	40
4-methyl-2-pentanone (MIBK)	Ŭ	200	naphthalene	U	40
cis-1,3-dichloropropene	Ŭ	40	1,2,3-trichlorobenzene	U	100
toluene	260	40	1,4-dioxane	U	40
		40	1,7-UUXalle	U	1000
SURROGATE STANDARDS	Recovery	Acceptanc	e limits		
	(%)	(%)			
dibromofluoromethane	96	78-114			
toluene-D8	106	88-110			
4-bromofluorobenzeno	100	00-110			

U = Below quantitation limit

102

4-bromofluorobenzene

86-115

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	Ū	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	Ŭ	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-isopropyitoluene	U	10
1,2-dichloroethane	57	10	1,4-dichlorobenzene	U	10
benzene	11	10	1,2-dichlorobenzene	45	10
trichloroethene	33	10	n-butylbenzena	U	10
1,2-dichloropropane	บ	10	1,2-dibromo-3-chloropropane	U	10
bromodichloromethane	U	10	1,2,4-trichlorobenzene	Ū	10
dibromomethane	U	10	hexachlorobutadiene	Ū	10
4-methyl-2-pentanone (MIBK)	U	50	naphthalene	Ū	30
cis-1,3-dichloropropene	U	10	1,2,3-trichlorobenzene	Ŭ	10
toluene	670	10	1,4-dioxane	U	300
SURROGATE STANDARDS	Recovery	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	92	78-114			
toluene-D8	103	88-110			
		00-110			

D = Result obtained from a re-analysis at a dilution.

105

U = Below quantitation limit

4-bromofluorobenzene

86-115

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	บ	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)	ບ	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)	υ	500	tert-butyibenzene	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	ប	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	ប	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
cls-1,3-dichloropropene	U	100	1,2,3-trichlorobenzene	U	100
toluene	24000	100	1,4-dioxane	U	3000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	97	78-114			
toluene-D8					
	106	88-110			

U = Below quantitation limit

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chlorometinane	U	100	2-hexanone	U	500
vinyl chloride	740	100	1,1,2-trichloroethane	140	100
bromomethane	υ	100	1,3-dichloropropane	U	100
chloroethane	U	100	tetrachloroethene	240	100
trichlorofluoromethane	200	100	dibromochloromethane	U	100
diethyl ether	U	500	1,2-dlbromoethane	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	υ	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	Acceptant	ce 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

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	imit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ũ	20	trans-1,3-dichloropropene	Ŭ	20
chloromethane	U	20	2-hexanone	U	100
vinyl chloride	130	20	1,1,2-trichloroethane	ย	20
bromomethane	U	20	1,3-dichloropropane	Ū	20
chloroethane	Ű	20	tetrachloroethene	53	20
trichlorofluoromethane	Ŭ	20	dibromochloromethane	U	20
diethyl ether	U	100	1.2-dibromoethane	Ū	20
acetone	Ū	100	chlorobenzene	Ū	20
1,1-dichloroethene	50	10	1,1,1,2-tetrachloroethane	Ū	20
methylene chloride	150	50	ethylbenzene	34	20
carbon disulfide	U	20	m&p-xylenes	56	20
methyl t-butyl ether (MTBE)	Ŭ	20	o-xylene	22	20
trans-1,2-dichloroethene	Ū	20	styrene	 U	20
Isopropyl ether (DIPE)	Ŭ	20	bromoform	Ŭ	20
ethyl t-bulyl ether (ETBE)	Ū	20	isopropylbenzene	Ū	20
1,1-dichloroethane	260	20	1,1,2,2-tetrachloroethane	Ŭ	20
t-butanol (TBA)	U	500	1,2,3-trichloropropane	Ŭ	20
2-butanone (MEK)	Ŭ	100	n-propylbenzene	ŭ	20
2,2-dichloropropane	Ŭ	20	bromobenzene	Ŭ	20
cis-1,2-dichloroethene	3300	20	1,3,5-trimethylbenzene	Ŭ	20
chloroform	U	20	2-chlorotoluene	Ū	20
bromochloromethane	U	20	4-chlorotoluene	Ū	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	ប	20
carbon tetrachloride	U	20	4-isopropyltoluene	U	20
1,2-dichloroethane	150	20	1,4-dichlorobenzene	ប	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	ប	20
bromodichloromethane	U	20	1,2,4-trichlorobenzene	ប	20
dibromomethane	U	20	hexachlorobutadiene	U	20
4-methyi-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	Acceptan	ce Limite		
Source of ARDARDS	-				
dibromofluoromethane	(%) 96	(%)			
		78-114			
toluene-D8	103	88-110			
4-bromofluorobenzene	103	86-115			

U = Below quantitation limit

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

SW 846 Method 5030B/8260B

ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L dichloroditiormethane U 2 2-bioranethane U 10 vinyl chloride 92 2 1,1,2-lrichlorogthane U 2 bromomethane U 2 1,3-dichlorogtopane U 2 chlorosthane U 2 tetranchorogthane U 2 disthyl ather U 10 1,2-dibromethane U 2 acebone U 10 1,2-dibromethane U 2 inchlorosthane U 2 methylen chloride U 2 intrast-1,3-dichlorosthane U 2 2 2 1,1,1,2-bitrachlorosthane 1 2		Concentration	Quantitation Lir	nit	Concentration	Quantitation Limit
chloromethane U 2 2 2 1,1_2.Lrichkoroethane U 2 bromomethane U 2 1,3_2.Lrichkoroethane U 2 chloroethane U 2 1,3_2.Lrichkoroethane U 2 chloroethane U 2 1/1.4.Lrichkoroethane U 2 detryl ather U 10 1/1.4.Lrichkoroethane U 2 aceton Sufficie U 2 orkinomethane U 2 intrahoroficionathene 5 1 1,1,1_2.Litrachoroethane U 2 methylene chloride U 2 orkylenes U 2 isopropyl ether (DIPE) U 2 orkylenes U 2 isopropyl ether (DIPE) U 2 bromoform U 2 2 isopropyl ether (CIPE) U 2 bromoform U 2 2 ichunol (TEA) U 10 rer/poroylbenzene U 2 <td></td> <td>ug/L</td> <td>ug/L</td> <td></td> <td>ug/L</td> <td>ug/L</td>		ug/L	ug/L		ug/L	ug/L
viny chloride 92 2 1,1,2-tichkoroethane U 2 bromomethane U 2 1,3-dichkoroethane U 2 chloroethane U 2 dibromochane U 2 trichlorofluoromethane U 2 dibromochane U 2 dethyl ether U 10 1,2-ditoromethane U 2 acebone U 10 1,2-ditoromethane U 2 acebon disuffice U 2 mathylene chloride U 2 carbon disuffice U 2 oxydene U 2 carbon disuffice U 2 oxydene U 2 rans-1,2-dichloroethane U 2 oxydene U 2 tarbit bit y ether (ITBE) U 2 oxydene U 2 tarbit bit ether (ETBE) U 2 bromoform U 2 chloroform U 2 chloropenpae U <td>dichlorodifluoromethane</td> <td>U</td> <td></td> <td>trans-1,3-dichloropropene</td> <td>U</td> <td>2</td>	dichlorodifluoromethane	U		trans-1,3-dichloropropene	U	2
bromomethane U 2 1,3-dichloropropane U 2 chioroethane U 2 tetrachloroethane 280 2 trichlorofluaromethane U 2 tetrachloroethane U 2 acetone U 10 chloroberzene U 2 1,1-dichloroethane 5 1 1,1,1,2-tetrachloroethane U 2 metrylene chloride U 2 m&p-ylenes U 2 metrylene chloride U 2 o-xylene U 2 isopropyl ether (DIPE) U 2 o-xylene U 2 isopropyl ether (DIPE) U 2 bromoform U 2 isopropyl ether (DIPE) U 2 bromoform U 2 2-butanoi (TBA) U 50 1,2,2-tetrachloroethane U 2 2-butanoi (TBA) U 10 n-propylenzene U 2 2-butanone (MEK) U 10 <		U		2-hexanone	U	10
chloroethane U 2 terachloroethane 280 2 trichlorofluoromethane U 2 dibromoethane U 2 acebra U 10 rl.2-dibromethane U 2 acebra U 10 chlorobenzene U 2 methylene chloride U 5 ethylenzene U 2 achlorosthane U 2 mathyl-butylether (MTBE) U 2 isopropyl ether (DIPE) U 2 bromoform U 2 ethyl t-butyl ether (KTBE) U 2 bromoform U 2 ethyl t-butyl ether (CIPE) U 2 bromoform U 2 ethyl t-butyl ether (CIPE) U 2 bromobrane U 2 cholaroot (TBA) U 50 1,3,2-trithoropropane U 2 2-butano: (TBA) U 20 bromobenzene U 2 2-butanone (MEK) U 1,3,	vinyl chloride	92	2	1,1,2-Irichloroethane	υ	2
trichizorfluoromethaneU2ditromochloromethaneU2diatityl atharU101,2-ditromoethaneU2acetoreU10chlorobenzeneU2nethylene chlorideU5efhylbenzeneU2methylene chlorideU2mathylenesU2methylene chlorideU2o-xylaneU2methylene chlorideU2o-xylaneU2methylene chlorideU2o-xylaneU2isoprop/l ether (DIPE)U2bromoformU2isoprop/l ether (DIPE)U2bromoformU21.1-dichloroethane9321,1,2,2-trachloroethaneU22-butanoi (TBA)U10n-propylbenzeneU22-butanoi (TBA)U10n-propylbenzeneU22-butanoi (TBA)U10n-propylbenzeneU22-butanoi (TBA)U10tert-butylbenzeneU22-butanone (MEK)U10tert-butylbenzeneU22-dichloropteneU2sec-butylbenzeneU21,1-di-chloroptene18021,2,4-trimethylbenzeneU22-dichloropteneU2sec-butylbenzeneU21-dichloroptopaneU2sec-butylbenzeneU21,1-dichloroptopaneU2sec-butyl		U		1,3-dichloropropane	U	2
diethyl ether U 10 1,2-dibromethane U 2 acebone U 10 chiorobenzene U 2 methylene chloride U 2 methylene chloride U 2 carbon disuffide U 2 methylene chloride U 2 carbon disuffide U 2 methylene chloride U 2 isopropil ether (DIPE) U 2 bromoform U 2 isopropil ether (DIPE) U 2 bromoform U 2 1.1-dichloroethane 93 2 1,1,2,2-titrachloroethane U 2 1.1-dichloroethane 93 2 1,2,3-tirchloropropane U 2 2-butanone (MEK) U 10 n-propylenzene U 2 2 chloroform U 2 2-chlorotoluene U 2 2 chloroform U 2 2-chlorotoluene U 2 2 chloroform<	chloroethane	U	2	tetrachloroethene	280	
acetone U 10 chlorobenzene U 2 1,1-4lchloroethane 5 1 1,1,1,2-tetrachloroethane U 2 methylene chloride U 2 m&p-xylenes U 2 carbon disulfide U 2 m&p-xylenes U 2 isopropyl ether (DIPE) U 2 oxylene U 2 isopropyl ether (DIPE) U 2 bromoform U 2 isopropyl ether (DIPE) U 2 bromoform U 2 isopropyl ether (DIPE) U 2 bromoform U 2 ithuanol (TBA) U 50 1,2,3-trichloroethane U 2 2-butanol (MEK) U 10 n-propylbenzene U 2 2 2-butanol (TBA) U 2 torhorobanzane U 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <	trichlorofluoromethane	U	2	dibromochloromethane	U	
1,1-dichloroethane 5 1 1,1,1,2-tatrachloroethane U 2 methylene chioride U 2 ethylbenzene U 2 methyl t-butyl ether (MTBE) U 2 o-xylenes U 2 methyl t-butyl ether (MTBE) U 2 o-xylene U 2 isopropyl tehr (DIPE) U 2 bornoform U 2 ethyl t-butyl ether (DIPE) U 2 bornoform U 2 ethyl t-butyl ether (DIPE) U 2 isopropyl tenzene U 2 1,1-dichtoroethane 93 2 1,1,2,2-tetrachloroethane U 2 2-butanon (MEK) U 10 n-propylbenzene U 2 2,2-dichloroethene 580 2 1,3-5-timethylbenzene U 2 choroform U 2 4-chlorotoluene U 2 bromochloroethane 180 2 1,2,4-trimethylbenzene U 2 1,1-1-thyloroethane 180 2 1,2,4-trimethylbenzene U 2	diethyl ether	U	10	1,2-dibromoethane	U	2
methylene chlorideU2carbon disulfideU2m&prylenesU2carbon disulfideU2orsyleneU2trans-1,2-dichloroethene42styreneU2trans-1,2-dichloroethene42styreneU2thyl thyl ther (ETBE)U2isopropyl ether (DIPE)U2thyl thyl ther (ETBE)U2isopropylenzeneU21,1-dichloroethane9321,1,2,3-tichloroporpaneU22-butanon (MEK)U10n-propylenzeneU22,2-dichloropthene58021,3,5-trimethylbenzeneU2cik-1,2-dichloroethane1022-chlorotolueneU2bromochloromthaneU24-chlorotolueneU2thyl ther (TAME)U10tert-butylbenzeneU21,1-dichloroppaneU21,2-dichloroethaneU21,1-dichloroppaneU21,2-dichlorobleneU21,1-dichloroppaneU21,2-dichloroblenzeneU21,1-dichloroppaneU21,2-dichloroblenzeneU21,1-dichloroppaneU21,2-dichlorobenzeneU21,1-dichloroppaneU21,2-dichlorobenzeneU21,1-dichloroppaneU21,2-dichlorobenzeneU21,1-dichlorophane32 <td>acetone</td> <td>U</td> <td>10</td> <td>chlorobenzene</td> <td>U</td> <td>2</td>	acetone	U	10	chlorobenzene	U	2
carbon disulfideU2 $m \delta p$ -xylenesU2methyl -butyl ether (MTBE)U2o-xyleneU2isopropyl ether (DIPE)U2bromoformU2ethyl -butyl ether (ETBE)U2isopropylbenzeneU21,1-dichloroethane9321,1,2,2-tetrachloroethaneU22-butanone (MEK)U10n-propylbenzeneU22,2-dichloroethane58021,3,3-trichloropropaneU2chloroformU22-chlorotolueneU2chloroformU22-chlorotolueneU2bromochloromethane18021,2,4-trimethylbenzeneU21,1-1-trichloroethane18021,2,4-trimethylbenzeneU21,1-1-trichloropthane18021,2,4-trimethylbenzeneU21,1-1-trichloropthane18021,2,4-trimethylbenzeneU21,1-1-trichloropthane18021,2,4-trimethylbenzeneU21,1-1-trichloropthane1221,3-dichlorobenzeneU21,1-1-trichloropthane3221,4-dichlorobenzeneU21,1-1-trichloropthane1221,3-dichloroptenzeneU21,1-1-trichloropthane1221,3-dichloroptenzeneU21,1-1-trichloroptenzeneU21,2-dichloroptenzeneU21,2-dichloroptane <td>1,1-dichloroethene</td> <td>5</td> <td>1</td> <td>1,1,1,2-tetrachloroethane</td> <td>U</td> <td>2</td>	1,1-dichloroethene	5	1	1,1,1,2-tetrachloroethane	U	2
methyl Ebutyl ether (MTBE) U 2 o-xylene U 2 trans-1,2-dichloroethene 4 2 styrene U 2 isopropyl teher (DIPE) U 2 isopropylbenzene U 2 ethyl Ebutyl ether (ETBE) U 2 isopropylbenzene U 2 1,1-dichloroethane 93 2 1,1,2,2-tetrachloroethane U 2 2-butanon (MEK) U 10 n-proybbenzene U 2 2-butanone (MEK) U 10 n-proybbenzene U 2 cis-1,2-dichloroethane 580 2 1,3,5-trimethylbenzene U 2 chloroform U 2 2-chlorotoluene U 2 2 bromochloromethane 180 2 1,2,4-trimethylbenzene U 2 tetrahydrofuran (THF) U 10 tetra-butylbenzene U 2 1,1,1-trichloroethane 180 2 1,3-dichlorobenzene U 2	methylene chloride	U	5	ethylbenzene	U	2
trans-1,2-dichloroethene42styreneU2isopropyl ether (DIPE)U2bromoformU2ethyl t-bulyl ether (ETBE)U2isopropylbenzeneU21,1-dichloroethane9321,1,2,2-tetrachloroethaneU22-butanone (MEK)U10n-propylbenzeneU22-butanone (MEK)U10n-propylbenzeneU22-butanone (MEK)U10n-propylbenzeneU22-butanone (MEK)U10n-propylbenzeneU22-butanone (MEK)U10n-propylbenzeneU22-butanone (MEK)U22-chlorotolueneU2chloroformU22-chlorotolueneU2tetrahydrofuran (THF)U10tert-butylbenzeneU21,1-dichloroptopeneU2sec-butylbenzeneU21,1-dichloroptopeneU2sec-butylbenzeneU21,1-dichloroptopeneU24-isopropylolueneU21,2-dichlorobenzeneU21,2-dichlorobenzeneU21,2-dichloroptopaneU21,2-dichlorobenzeneU21,2-dichloroptopaneU21,2-dichlorobenzeneU21,2-dichloroptopaneU21,2-dichlorobenzeneU21,2-dichloroptopaneU21,2-dichlorobenzeneU2 <td>carbon disulfide</td> <td>U</td> <td>2</td> <td>m&p-xylenes</td> <td>U</td> <td>2</td>	carbon disulfide	U	2	m&p-xylenes	U	2
isopropyl ether (DIPE) U 2 bromoform U 2 ethyl Ebuly ether (ETBE) U 2 isopropyl benzene U 2 1,1-dichloroethane 93 2 1,1,2,2-tetrachloroethane U 2 2-butanone (MEK) U 10 n-propylbenzene U 2 2-butanone (MEK) U 10 n-propylbenzene U 2 2-butanone (MEK) U 10 n-propylbenzene U 2 cis-1,2-dichloroethane 580 2 1,3,5-trimethylbenzene U 2 chloroform U 2 2-chlorotoluene U 2 bromochloromethane U 2 4-chlorotoluene U 2 1,1-1-fichloroethane 180 2 1,2,4-trimethylbenzene U 2 1,1,1-fichloroothane 32 2 1,4-dichlorobenzene U 2 1,1-dichloroothane 32 2 1,4-dichlorobenzene U 2 1,2-dichloroo	methyl t-butyl ether (MTBE)	U	2	o-xylene	U	2
ethyl Fbulyl ethar (ETBE) U 2 isopropylbenzene U 2 1,1-dichloroethane 93 2 1,1,2,2+trichloroethane 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-chiorotoluene U 2 bromochloromethane 160 2 1,2-4-timethylbenzene U 2 1,1-1,1-trichloroethane 160 2 1,2-4-timethylbenzene U 2 1,1-dichloroptopene U 2 schorobenzene U 2 1 1,1-dichloroptopene U 2 1,2-dichlorobenzene U 2 1,1-dichloroptopane U 2 1,2-dichlorobenzene U 2	trans-1,2-dichloroethene	4	2	styrene	U	2
1.1-dichloroethane 93 2 1,1,2,2-tetrachloroethane U 2 2-butanol (TBA) U 50 1,2,3-tricholropropane 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 bromochloromethane U 2 2-chlorotoluene U 2 bromochloromethane 180 2 1,2-4-trimethylbenzene U 2 1,1-trichloroethane 180 2 1,2-4-trimethylbenzene U 2 1,1-trichloroethane 180 2 1,2-4-trimethylbenzene U 2 1,1-trichloroethane 180 2 1,2-4-trimethylbenzene U 2 1,2-dichloropropane U 2 2 1,4-dichlorobenzene U 2 1,2-dichloropropane U 2 1,2-dichlorobenzene U 2 2 1,2-dichloropropane U 2 1,2-dichlorob	isopropyl ether (DIPE)	U	2	bromoform	U	2
1,1-dichloroethane 93 2 1,1,2,2-tetrachloroethane U 2 2-butanol (TBA) U 50 1,2,3-tricholropropane 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 bromochloromethane U 2 2-chlorotoluene U 2 bromochloromethane U 2 4-chlorotoluene U 2 1,1-1-trichloroethane 180 2 1,2-4-trimethylbenzene U 2 1,1-1-trichloroethane 180 2 1,2-4-trimethylbenzene U 2 1,1-1-trichloroethane 180 2 1,2-4-trimethylbenzene U 2 1,1-2-dichloropropane U 2 1,2-4-trimethylbenzene U 2 1,2-dichlorophynene U 2 1,2-4-trichlorobenzene U 2 1,2-dichlorophyne U 2 1,2-dichlorobenzene U	ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
t-butanol (TBA) U 50 1,2,3-trichloropropane U 2 2-butanone (MEK) U 10 n-progyblenzene U 2 2,2-dichloropropane U 2 bromobenzene U 2 cis-1,2-dichloropthene 580 2 1,3,5-trimethylbenzene U 2 chloroform U 2 2-chlorotoluene U 2 bromochloromethane U 2 4-chlorotoluene U 2 1,1,1-titchloroethane 180 2 1,2,4-trimethylbenzene U 2 1,1,1-titchloroptopane U 2 sec-butylbenzene U 2 1,1-dichloroptopane U 2 sec-butylbenzene U 2 1,1-titchloroethane 32 2 1,4-dichlorobenzene U 2 1,2-dichloroptopane U 2 4-isopropylotuene U 2 1,2-dichloroptopane U 2 1,2-dichlorobenzene U 2 1,2-dichloroptopane U 2 1,2-dichlorobenzene U 2	1,1-dichloroethane	93	2		U	2
2-butanone (MEK) U 10 n-propylbenzene U 2 2,2-dichloropropane U 2 bromobenzene U 2 cis-1,2-dichloroptopane U 2 13,5-trimethylbenzene U 2 cis-1,2-dichloroptopane U 2 2-chlorotoluene U 2 bromochloromethane U 2 4-chlorotoluene U 2 bromochloromethane 180 2 1,2-dtrimethylbenzene U 2 1,1-1trichloroptopane U 2 sec-butylbenzene U 2 1,1-dichloroptopane U 2 sec-butylbenzene U 2 1,1-dichloroptopane U 2 sec-butylbenzene U 2 carbon tetrachloride U 2 1,3-dichlorobenzene U 2 trichloroptopane U 2 1,2-dichlorobenzene U 2 teranyl-methyl ether (TAME) U 2 1,2-dichlorobenzene U 2 carbon tetrachloride U 2 1,2-dichlorobenzene U 2	t-butanol (TBA)	U	50		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 1,1,1-trichloroethane 180 2 1,2,4-trimethylbenzene U 2 1,1-dichloropropene U 2 sec-butylbenzene U 2 tamyl-methyl ether (TAME) U 2 1,3-dichlorobenzene U 2 carbon tetrachloride U 2 1,3-dichlorobenzene U 2 benzene U 2 1,4-dichlorobenzene U 2 trichloroethane 73 2 n-butylbenzene U 2 trichloropropane U 2 1,2-dichloropropane U 2 threnthyl	2-butanone (MEK)	U	10		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-dichloroptopene U 2 se-butylbenzene U 2 tarmyl-methyl ether (TAME) U 2 se-butylbenzene U 2 carbon tetrachloride U 2 4-isopropyltoluene U 2 tarmyl-methyl ether (TAME) U 2 4-isopropyltoluene U 2 carbon tetrachloride U 2 1,2-dichlorobenzene U 2 target 1 2-dichlorobenzene U 2 2 trichloropethane 32 2 1,4-dichlorobenzene U 2 trichloropethane T3 2 n-butylbenzene U 2 target U 2 1,2-dichloropropane U 2 thoromodichloropropane U </td <td>2,2-dichloropropane</td> <td>U</td> <td>2</td> <td>bromobenzene</td> <td>U</td> <td>2</td>	2,2-dichloropropane	U	2	bromobenzene	U	2
bromochloromethane U 2 4-chlorotoluene U 2 tetrahydrofuran (THF) U 10 tert-butylbenzene U 2 1,1-trichloroethane 180 2 1,2,4-trimethylbenzene U 2 1,1-dichloropropene U 2 sec-butylbenzene U 2 1,1-dichloropropene U 2 sec-butylbenzene U 2 t-amyl-methyl ether (TAME) U 2 sec-butylbenzene U 2 carbon tetrachloride U 2 sec-butylbenzene U 2 t-amyl-methyl ether (TAME) U 2 sec-butylbenzene U 2 carbon tetrachloride U 2 sec-butylbenzene U 2 toiloropropane U 2 sec-propytoluene U 2 trichloropethene 73 2 n-butylbenzene U 2 trichloropropane U 2 sec-hloropropane U 2 dibromomethane <td>cis-1,2-dichloroethene</td> <td>580</td> <td>2</td> <td>1,3,5-trimethylbenzene</td> <td>Ŭ</td> <td>2</td>	cis-1,2-dichloroethene	580	2	1,3,5-trimethylbenzene	Ŭ	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 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 trichloroethane 73 2 n-butylbenzene U 2 trichloropropane U 2 1,2-dichlorobenzene U 2 toihoromethane U 2 1,2-dichlorobenzene U 2 dibromodichloromethane U 2 1,2-dichlorobenzene U 2 dibromodichloropropene U 2 1,2-dichlorobenzene U 2 <	chloroform	U	2	2-chlorotoluene	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 U 2 trichloroethane 73 2 n-butylbenzene U 2 trichloroptopane U 2 1,2-dichlorobenzene U 2 trichloroptopane U 2 1,2-dichlorobenzene U 2 bromodichloromethane U 2 1,2-dichlorobenzene U 2 dibromomethane U 2 1,2-dichlorobenzene U 2 dibromomethane U 2 hexachlorobutadiene U 2 cis-1,3-dichloropropene U 2 1,2-3-trichlorobenzene U 2	bromochloromethane	U	2	4-chlorotoluene	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 trichloropropane U 2 1,2-dichlorobenzene U 2 bromodichloromethane U 2 1,2-dichlorobenzene U 2 bromodichloromethane U 2 1,2,4-trichlorobenzene U 2 dibromomethane U 2 nexachlorobutadiene U 2 dibromorpopene U 2 1,2,3-trichlorobenzene U 2 cis-1,3-dichloropropene U 2 1,2,3-trichlorobenzene U 2 supervisition 3 2 1,4-dioxane 50 50 <td< td=""><td>tetrahydrofuran (THF)</td><td>U</td><td>10</td><td>tert-butylbenzene</td><td>U</td><td>2</td></td<>	tetrahydrofuran (THF)	U	10	tert-butylbenzene	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-dichlorobethane 32 2 1,4-dichlorobenzene U 2 benzene U 2 1,2-dichlorobenzene G3 2 trichloroethene 73 2 n-butylbenzene U 2 trichloropropane U 2 1,2-dichlorobenzene U 2 bromodichloromethane U 2 1,2-dichlorobenzene U 2 bromodichloromethane U 2 1,2-dichlorobenzene U 2 dibromomethane U 2 1,2,4-trichlorobenzene U 2 dibromomethane U 2 1,2,3-trichlorobenzene U 2 cis-1,3-dichloropropene U 2 1,2,3-trichlorobenzene U 2 superstring V 10 naphthalene U 2 2	1,1,1-trichloroethane	180	2	1,2,4-trimethylbenzene	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 G3 2 trichloroethene 73 2 n-butylbenzene U 2 1,2-dichloropropane U 2 1,2-dichlorobenzene U 2 1,2-dichloropropane U 2 1,2-dichlorobenzene U 2 1,2-dichloropropane U 2 1,2-dichlorobenzene U 2 trichloropropane U 2 1,2-trichlorobenzene U 2 bromodichloromethane U 2 hexachlorobutadiene U 2 dibromomethane U 10 naphthalene U 2 1,2-strichlorobenzene U 2 superior 3 2 1,4-dioxane U 2 1,2-strichlorobenzene U 2 superintone 3 2	1,1-dichloropropene	U	2	-	U	2
1,2-dichloroethane3221,4-dichlorobenzeneU2benzeneU21,2-dichlorobenzene632trichloroethene732n-butylbenzeneU21,2-dichloropropaneU21,2-dibromo-3-chloropropaneU2bromodichloromethaneU21,2,4-trichlorobenzeneU2dibromomethaneU21,2,4-trichlorobenzeneU24-methyl-2-pentanone (MIBK)U10naphthaleneU2cis-1,3-dichloropropeneU21,2,3-trichlorobenzeneU2toluene321,4-dioxaneU50SURROGATE STANDARDSRecovery (%)Acceptance Limits (%)5dibromofluoromethane9678-11455toluene-D810588-11055	t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
1,2-dichloroethane3221,4-dichlorobenzeneU2benzeneU21,2-dichlorobenzene632trichloroethene732n-butylbenzeneU21,2-dichloropropaneU21,2-dibromo-3-chloropropaneU2bromodichloromethaneU21,2,4-trichlorobenzeneU2dibromomethaneU21,2,4-trichlorobenzeneU24-methyl-2-pentanone (MIBK)U10naphthaleneU2toluene321,4-dioxaneU5SURROGATE STANDARDSRecovery (%)Acceptance Limits (%)5dibromofluoromethane9678-11455toluene-D810588-11055	carbon tetrachloride	U	2	4-isopropyltoluene	U	2
trichloroethene732n-butylbenzeneU21,2-dichloropropaneU21,2-dibromo-3-chloropropaneU2bromodichloromethaneU21,2,4-trichlorobenzeneU2dibromomethaneU2hexachlorobutadieneU24-methyl-2-pentanone (MIBK)U10naphthaleneU24-methyl-2-pentanone (MIBK)U21,2,3-trichlorobenzeneU2toluene321,4-dioxaneU50SURROGATE STANDARDSRecovery (%)Acceptance Limits (%)50dibromofluoromethane9678-114toluene-D810588-11050	1,2-dichloroethane	32	2		U	2
1,2-dichloropropaneU21,2-dibromo-3-chloropropaneU2bromodichloromethaneU21,2,4-trichlorobenzeneU2dibromomethaneU2hexachlorobutadieneU24-methyl-2-pentanone (MIBK)U10naphthaleneU5cis-1,3-dichloropropeneU21,2,3-trichlorobenzeneU2toluene321,4-dioxaneU50SURROGATE STANDARDSRecovery (%)Acceptance Limits(%)(%)(%)1010dibromofluoromethane9678-1141010toluene-D810588-1101010	benzene	U	2	1,2-dichlorobenzene	63	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	trichloroethene	73	2	n-butylbenzene	ບ	2
dibromomethaneU2hexachlorobutadieneU24-methyl-2-pentanone (MIBK)U10naphthaleneU5cis-1,3-dichloropropeneU21,2,3-trichlorobenzeneU2toluene321,4-dioxaneU50SURROGATE STANDARDSRecoveryAcceptance Limits(%)(%)dibromofluoromethane9678-114toluene-D810588-110	1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	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 50 (%) (%) (%) 50 dibromofluoromethane 96 78-114 56 toluene-D8 105 88-110 58-110	bromodichloromethane	Ų	2	1,2,4-trichlorobenzene	U	2
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 50 (%) (%) (%) dibromofluoromethane 96 78-114 toluene-D8 105 88-110	dibromomethane	U	2	hexachlorobutadiene	U	2
toluene 3 2 1,4-dioxane U 50 SURROGATE STANDARDS Recovery Acceptance Limits (%) (%) (%) (%) (%) (%) dibromoflucromethane 96 78-114 toluene-D8 105 88-110	4-methyl-2-pentanone (MIBK)	U	10	naphthalene	U	5
SURROGATE STANDARDS Recovery Acceptance Limits (%) (%) dibromoflucromethane 96 78-114 105	cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	U	2
(%) (%) dibromofluoromethane 96 78-114 toluene-D8 105 88-110	toluene	3	2	1,4-dioxan e	U	50
(%) (%) dibromofluoromethane 96 78-114 toluene-D8 105 88-110	SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
dibromofluoromethane 96 78-114 toluene-D8 105 88-110		(%)				
toluene-D8 105 88-110	dibromofluoromethane		-			

U = Below quantitation limit

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

	Concentration ug/L	Quantitation Limit ug/L
PCB-1016	Ū	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

	Concentration	Quantitation Limit
	ug/L	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

6W 040 Mothed 30100/0002A.

	Concentration	Quantitation Limit
	ug/L	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

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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

	Concentration	Quantitation Limit
	ug/L	ug/L
PCB-1016	U	0.6
PCB-1242	Ŭ	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: Sample ID: Matrix: Sampled: Parameter: Lead	PZ-03-S Water		Result < 0.01	Quant Limit 0.01	Units mg/L	Instr Dil'n Factor 1	Analyst BJS	Prep Date N/A	Analysis Date 4/13/06	Analysis Time 16:09	Reference SW3005A6010B
Lab Number:	10170-00	02									
Sample ID:											
Matrix:											
Sampled: 4	4/10/06	14:45		Quant		instr Dil'n		Prep	Analvsis	Analysis	
Parameter:			Result	Limit	Units	Factor	Anaiyst	Date	Date	Time	Reference
Lead			< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:13	SW3005A6010B
Lab Number: 1 Sample ID: F)3									
Matrix: V	Vater										
Sampled: 4	1/10/06	13:00		Quant		instr Dil'n		Prep	Analysis	Anshele	
Parameter:			Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
Lead			< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:18	SW3005A6010B
Lab Number: 1		4									
Sample ID: F											
Matrix: V											
Sampled: 4	/10/06	15:15		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:			Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
Lead			< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	16:23	SW3005A6010B
Lab Number: 1 Sample ID: P Matrix: W Sampled: 4	Z-02-D Vater	5 15:30									
Bauanatau				Quant		Instr Dil'n	A	Prep	Analysis		
Parameter: Lead			Result < 0.01	Limit 0.01	Units	Factor 1	Analyst BJS	Date N/A	Date 4/17/06		Reference SW3005A6010B
LOOG			< 0.01	0.01	mg/L	Ŧ	679	N/A	4/17/00	12.17	3003A0010B
Lab Number: 14 Sample ID: P. Matrix: W Sampled: 4/	Z-03-D /ater	6 15:45									
	10/00	10.40		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter: Lead			Result < 0.01	Limit 0.01	Units mg/L	Factor 1	Analyst BJS	Date N/A	Date 4/13/06	Time 16:27	Reference SW3005A6010B

Quality Control Report

RESOURCE LABORATORIES, LLC.

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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RESOURCE LABORATORIES, LLC.

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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Project Locatio				MADEP MCP Analytical Method Report Certification Form Laboratory Name: Resource Laboratories, LLC						
	n Hyde Park	<u></u>	Pı	roject #			MADEP			
This form provi Custody for sar	nples numbers)		•				ove (see Chain o		
Sample Matrice	es: Groundwa	iter (x) Soi	il/Sedin	nent () Dri	nking '	Water () Other:			
MCP SW-	8260 (x)	8081 ()		6010	(x)	Cyanid	e ()	Other ()		
	8270 ()	VPH ()		7470/7471	()	Other	()	Other ()		
Used	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 Yes (x) No () documentation for the data set?										
i	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?"										
r	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 I	Were all QC performance standards and recommendations for the specified methods achieved?Yes ()No (x)									
FWere results for all analyte-list compounds/elements for the specified method(s) reported?Yes ()No (x)										

Signature: Jugar Chlub

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

	Concentration	Quantitation Limit
	ug/L	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

PCB-1016	Amount Added ug/L 2	Amount Found in LCS ug/L 1.5	LCS Recovery (%) 75%	Amount Found in LCSD ug/L 1.5	LCSD Recovery (%) 75%	RPD (%) 0.0%	Date of Analysis 4/13/06
PCB-1242 PCB-1221 PCB-1232 PCB-1248 PCB-1254							4/13/06 4/13/06 4/13/06 4/13/06 4/13/06
PCB-1260 PCB-1262 PCB-1268	2	1.4	70 %	1.5	75%	6.9%	4/13/06 4/13/06 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 10170	METALS	QC REPORT
Batch QC Results		

Prep Blank

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

Laboratory Control	Sample			%Recovery
		Result	True	Control Limits
Analyte	Sample ID #	(mg/L)	Value (mg/L)	(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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	ປ	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
chioroethane	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	ປ	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dlchloroethane	U	2	1,1,2,2-tetrachloroethane	υ	2
t-butanol (TBA)	U	50	1,2,3-trichloropropane	υ	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	Ŭ	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chlorotoluene	U	2
tetrahydrofuran (THF)	U	10	tert-butylbenzene	U	2
1,1,1-trichlorcethane	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	υ	2
1,2-dichloropropane	U	2	1,2-dibromo-3-chloropropane	υ	2
bromodichloromethane	υ	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	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	107	88-110			
4-bramofluorobenzene	98	86-115			

U = Below quantitation limit

Lab Number:	10170-51
Sample Designation:	Lab Control Sample/Lab Control Sample Duplicate
File Name:	X:\DATA\VOA03\2006\APR05\041806\V3041822.D
Date Analyzed;	4/18/06
SW 846 Method 50308/82	608
	LCS

Compound	Amount Found	% Recovery		Amouni Found		
dichlorodilluoromethane	14	70%	*	14	72%	3
chloromethane	16	80%		18	88%	5
vinyl chloride	17	86%		18	92%	7
bromomethane	16	82%		18	88%	
chioroelhane	17	86%		18	91%	
richlorofluoromelhane	18	90%		19	97%	-
lialhy a her	18	92%		18	91%	
acelone	13	67%	-	14	72%	1
1,1-dichloroethene	17	86%		19	95%	1
nelhylene chloride	19	97%		19	97%	(
arbon disulfide	·18	90%		19	94%	4
nathyl-t-butyl ather (MTBE)	35	89%		36	90%	
rans-1,2-dichloroelhene	18	91%		20	98%	7
sopropyl ether (DIPE)	18	82%				
				19	97%	
shyl-i-bulyl ether (ETBE)	18	91%		19	96%	6
1,1-dichloroethane	17	86%		18	92%	7
-butanol (TBA)	74	74%		78	78%	E
2-bulanone (MEK)	17	83%		16	81%	3
2,2-dichloropropane	17	83%		18	89%	7
ls-1,2-dichlorosthene	20	101%		21	107%	7
hlaroform	19	95%				
				20	102%	7
romochloromelhane	21	104%		21	107%	3
alrahydrofuran (THF)	17	85%		16	86%	4
,1,1-Irichloroethane	17	87%		19	96%	9
-dichloropropene	19	95%		20	102%	7
amyl-methyl ether (TAME)	19	94%		19	96%	3
arbon tetrachloride	17	83%				
				18	90%	B
,2-dichloroelhane	18	88%		18	90%	2
enzene	20	100%		21	106%	5
ichloroethene	20	101%		21	107%	6
2-dichloropropane	20	99%		21	104%	6
romodichloromelhane	17	84%		18	89%	6
ibromomethane	20	101%				
				21	105%	4
-methyl-2-penlanone (MIBK)	19	95%		19	97%	2
is-1,3-dichloropropene	20	98%		20	102%	4
luene	21	105%		22	110%	5
ans-1,3-dichloropropene	17	85%		18	90%	6
-hexanone	17	84%		18	89%	6
1,2-Irichloroethane	20					4
		102%		21	106%	
3-dichloropropane	21	105%		22	108%	З
lrachloroethene	22	111%		24	120%	8
bromochloromelhane	20	99%		20	100%	2
2-dibromoethane (EDB)	21	106%		21	106%	1
iorobanzene	21	107%		22	112%	4
1,1,2-letrachlomethane	20	102%				4
				21	107%	
hylbenzene	21	106%		22	108%	2
&p-xylenes	44	109%		45	114%	4
xylene	22	111%		23	116%	4
yrene	21	106%		22	110%	4
molomo	20	102%		21	103%	1
	20					
propylbonzene		112%		24	119%	6
1,2,2-tetrachioroethane	18	92%		18	91%	2
2,3-Irichloropropana	18	88%		17	97%	1
propylbenzene	21	103%		21	107%	4
omobenzene	21	103%		22	108%	5
3,5-lrimethylbenzene	19	97%		20	100%	2
chlorololuene	19	95%				
				20	99%	4
chlorololuene	19	97%		20	100%	4
1-bulyibenzene	17	87%		18	89%	3
2,4-Irimethylbenzene	19	94%		20	100%	6
c-bulyibenzene	19	97%		20	102%	6
3-dichlorobenzene	20	100%		20	102%	2
sopropylloluene	21	104%		22	110%	6
Hdichlorobenzene	19	96%		20	100%	4
2-dichlorobenzene	20	102%		21	104%	2
pulylbenzene	20	100%		21	107%	7
dibromo-3-chloropropane (17	83%		17	87%	5
4-trichlorobenzene	18	90%		19	97%	8
xachlorobuladione	19	97%		21		7
					104%	
phihalono	14	72%		16	78%	8
2,3-lnchlorobenzene	18	91%		19	96%	5
l-dioxane	37	92%		33	82%	12
ROGATE STANDAROS						
		0004			0000	
dibromofluoromethane		92%			99%	
toluene-D8		105%			108%	
4-bromolluorobenzene		107%			101%	
eliminary Acceptance Criteris: F		Charles and a company				

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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	chiorobenzene	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	о-хуюле	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	IJ	2
1,1-dichloroethane	U	2	1,1,2,2-tetrachloroethane	U	2
t-butanol (TBA)	ប	50	1,2,3-trichloropropane	U	2
2-butanone (MEK)	U	10	n-propylbenzene	U	2
2,2-dichloropropane	U	2	bromobenzene	U	2
cls-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-isopropyitoluene	บ	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	Acceptan	ce Limíts		
	(%)	(%)	الماه () د ويست مردس		
dibromofluoromethane	93	78-114			
toluene-D8	100				
4-bromofiuorobenzene		88-110			
4-bromonuorobenzene	99	86-115			

U = Below quantitation limit

Sample Designation:	Lab Control Sample/La	ab Control San	nole Ouplica	le		
File Name:	X:\DATA\VOA03\2006					
Dalo Analyzod:	4/19/06					
SW 846 Method 5030B/8260						
Composed	LCS				CSD	R
Compound dichlorodificioromethane	Amount Found 14	% Recover 70%	Y	Amount Found 13	66% *	5
chloromolhano	17	84%		16	79%	5
vinyl chloride	17	87%		17	85%	3
bromomathane	11	54%	25	13	63%	15
chloroelhane	18	88%		17	84%	4
trichlorofluoromethane	19	93%		18	80%	5
diethylather	19	93%		19	94%	11
acetone	18	88%		18	88%	1
1,1-dichloroethene	17	87%		18	88%	1
methylene chloride	20	98%		19	94%	5
carbon disullide	18	88%		17	84%	5
methyl-t-butyl ether (MTBE)	38	95%		37	93%	3
Irans-1,2-dichioroethene	18	91%		18	80%	2
isopropyl ether (DIPE)	19	95%		18	90%	5'
ethyl-t-bulyl ether (ETBE) 1,1-dichlomethane	19 18	97% 91%		19 17	94%	4
t-butanol (TBA)	90	90%		88	86% 88%	5' 3'
2-butanone (MEK)	19	93%		18	89%	4
2,2-dichloropropane	13	67%	42	13	66% *	2
ds-1,2-dichloroethene	21	104%		20	99%	21
chlaroform	19	95%		19	96%	19
bromochloromethane	21	106%		21	104%	2
letrahydrofuran (THF)	19	96%		19	95%	Ĩ
1,1,1-trichloroethane	20	98%		18	91%	79
1,1-dichloropropene	19	97%		19	96%	19
I-amyl-methyl ether (TAME)	20	100%		19	94%	69
carbon leirachioride	17	87%		17	83%	49
1,2-dichlorcelhane	18	88%		18	89%	25
benzene	20	98%		20	99%	15
Inchloroethone	21	103%		20	101%	25
1,2-dichloropropane	20	102%		20	100%	29
bromodichloromethane	18	88%		17	87%	19
dibromoutethane	21	103%		21	104%	19
4-melhyl-2-pentanone (MIBK)	21	104%		20	100%	49
cis-1,3-dichloropropene loluene	18 20	92% 102%		18 21	89%	39
laris-1,3-dichloropropene	17	85%		21	103% 81%	19 49
2-hexanone	16	82%		17	85%	49
1,1,2-trichloroethane	21	106%		20	101%	59
1,3-dichloropropane	20	102%		21	104%	39
ietrachioroethene	22	108%		22	111%	39
dibromochloromelhane	19	96%		20	98%	29
1,2-dibromoethane (EDB)	20	99%		21	104%	49
chlorobenzene	20	98%		20	102%	49
1,1,1,2-letrachioroethane	20	99%		20	100%	29
elhylbenzene	20	98%		20	100%	39
n&p-xylenes	41	102%		43	106%	49
o-xylene	20	102%		21	106%	4%
slyrene	8	42%	#	14	72%	53'
analorm	19	97%		20	101%	39
sopropylbenzene	21	104%		22	108%	49
1,1,2,2-telrachioroethane	18	90%		19	94%	4%
,2,3-trichloropropane	18	88%		18	89%	19
i-propylbenzene promobenzene	19	93%		20	100%	79
,3,5-(rime/hylbenzene	19 17	96% 87%		21	103%	79
,3,5-(nmeinyidenzene -chiorololuene	17	87% 86%		19 19	97% 94%	109 9%
-chiorololuene	16	88%		19	94% 95%	99
art-bulylbenzene	17	83%		19	93% 67%	07 4%
,2,4-Irimethylbenzene	8	90%		19	97%	4%
ec-butylbenzene	18	90%		18	97%	09
,3-dichlorobenzene	19	94%		20	92% 99%	5%
-isopropyliciuene	19	94%		20	102%	8%
4-dichtorobenzene	18	92%		19	96%	5%
2-dichtorobenzene	19	96%		20	100%	4%
bulyibenzene	19	95%		20	100%	5%
2-dibromo-3-chloropropane (17	85%		19	94%	105
2,4-trichlorobenzene	17	86%		19	94%	89
exachlorobuladiene	18	90%		19	95%	5%
aphthalene	15	74%		16	80%	8%
2,3-trichlorabenzene	18	91%		20	100%	9%
,4-dioxane	35	89%		38	96%	8%
URROGATE STANDARDS						
S dibromofluoromethane		99%			99%	
					0070	
S toluene-D8		108%			108%	

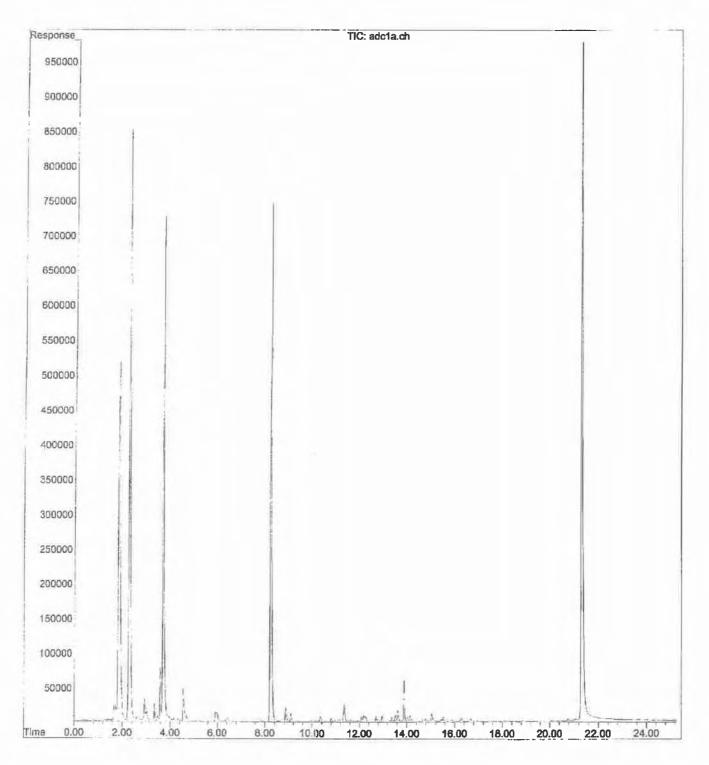
Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20% Indicales compounds known to be problematic. These analytes are more likely to show recovery outside the QC limits. # = This analyte showed recovery outside the acceptance limits. + = The RPD was above the acceptance limit.

Lab Number:

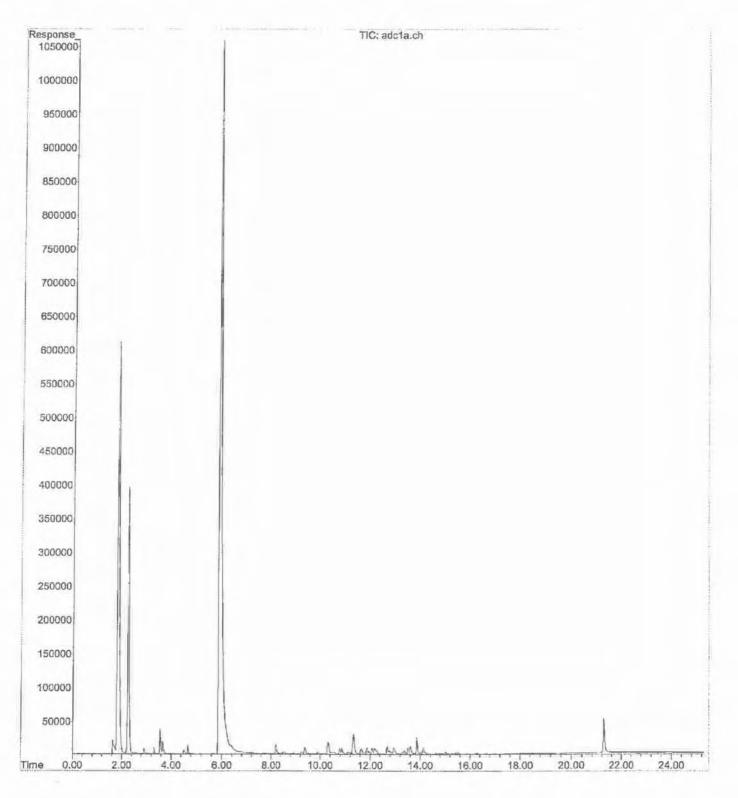
10170-53

+

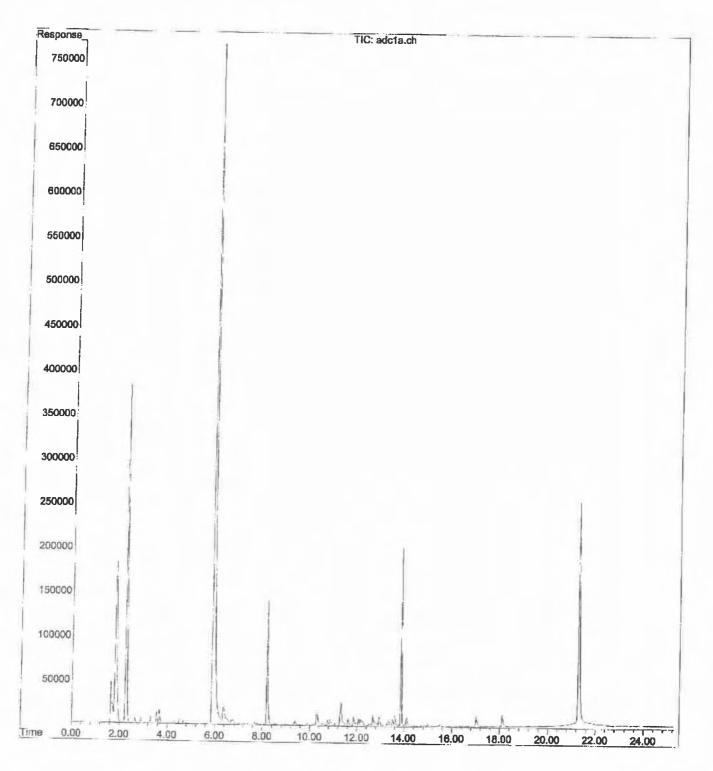
File : X:\DATA\SVOA03\2006\APR06\041906\009F0101.D
Operator : AJD
Acquired : 19 Apr 2006 05:40 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10170-01rr pcbx1
Misc Info :
Vial Number: 9



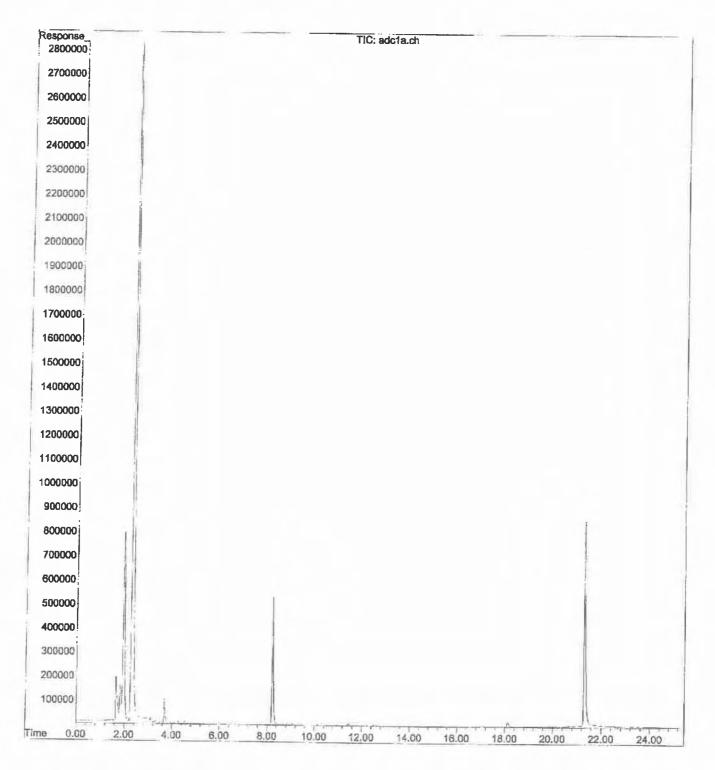
File : X:\DATA\SVOA03\2006\APR06\042006\014F0101.D Operator : AJD Acquired : 20 Apr 2006 04:32 pm using AcqMethod S3PP10B.MTH Instrument : SVOA03 Sample Name: 10170-09 pcb x50 Misc Info : 04 yd Vial Number: 14



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
```



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Relinquished by:	Relinquished by:	Relinquished by Samplar		9	E-Mail Address						000	70	50	h	në	11	9	õ	Ĩ,		5	Mada	9		Phone: 603-436-2001	ICCSOUTCE La 124 Heritage Avenue
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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 Maine NH903 Connecticut PH-0146 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	ū	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	Ŭ	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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifiuoromethane	U	20	trans-1,3-dichloropropene	Ŭ	20
chloromethane	ŧ	20	2-hexanone	U	100
viny! chloride	25	20	1,1,2-trichloroethane	U	20
bromomethane	U	20	1,3-dichloropropane	U	20
chloroethane	U	20	tetrachloroethene	υ	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-butanoi (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
cls-1,3-dlchloropropene	U	20	1,2,3-trichlorobenzene	U	20
toluene	U	20	1,4-dioxane	U	500
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	96	78-114			
toluene-D8	102	88-110			

U = Below quantitation limit

4-bromofluorobenzene

99

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	100	trans-1,3-dichloropropene	U	100
chloromethane	U	100	2-hexanone	U	500
vlnyl 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	υ	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	Ū	100
2-butanone (MEK)	U	500	n-propylbenzene	Ū	100
2,2-dichloropropane	U	100	bromobenzene	U	100
cis-1,2-dichloroethene	26000	100	1,3,5-trimethylbenzene	Ŭ	100
chloroform	U	100	2-chlorotoluene	Ŭ	100
bromochloromethane	U	100	4-chlorotoluene	Ŭ	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	Ū	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-dlchlorobenzene	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	Ū	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	Ū	100
toluene	5900	100	1,4-dioxane	Ū	3000
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
faluera DO		1011-7			

U = Below quantitation limit

4-bromofluorobenzene

103

100

toluene-D8

RL Resource Laboratories, LLC

88-110

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	imit		Quantitation Limit
	ug/L	ug/L		ug/L	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	Ľ	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	Ū	100
ethyl t-butyl ether (ETBE)	U	100	isopropylbenzene	Ū	100
1,1-dichloroethane	3400	100	1,1,2,2-tetrachloroethane	Ŭ	100
t-butanol (TBA)	U	3000	1,2,3-trichloropropane	Ŭ	100
2-butanone (MEK)	U	500	n-propylbenzene	Ŭ	100
2,2-dichloropropane	ป	100	bromobenzene	Ŭ	100
cis-1,2-dichloroethene	25000	100	1,3,5-trimethylbenzene	Ŭ	100
chloroform	U	100	2-chlorotoluene	Ŭ	100
bromochloromethane	U	100	4-chlorotoluene	Ŭ	100
tetrahydrofuran (THF)	U	500	tert-butylbenzene	Ŭ	100
1,1,1-trichloroethane	34000	100	1,2,4-trimethylbenzene	Ŭ	100
1,1-dichloropropene	U	100	sec-butylbenzene	Ŭ	100
t-amyl-methyl ether (TAME)	U	100	1,3-dichlorobenzene	ŭ	100
carbon tetrachloride	U	100	4-isopropyltoluene	Ŭ	100
1,2-dichloroethane	290	100	1,4-dichlorobenzene	Ŭ	100
benzene	U	100	1,2-dichlorobenzene	Ŭ	100
trichloroethene	U	100	n-butylbenzene	ŭ	100
1,2-dichloropropane	U	100	1,2-dibromo-3-chloropropane	ŭ	100
bromodichloromethane	U	100	1,2,4-trichlorobenzene	Ŭ	100
dibromomethane	Ŭ	100	hexachlorobuladiene	Ŭ	100
4-methyl-2-pentanone (MIBK)	U	500	лаphthalene	Ŭ	300
cis-1,3-dichloropropene	Ŭ	100	1,2,3-trichlorobenzene	Ŭ	100
toluene	5800	100	1,4-dioxane	U	3000
SURROGATE STANDARDS	Recovery	Acceptant	ce Limits		
	(%)	(%)			
dibromofluoromethane	95	78-114			
taluana D0	30	10-114			

U = Below quantitation limit

4-bromofluorobenzene

105

101

toluene-D8

RL Resource Laboratories, LLC

88-110

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	400	trans-1,3-dichloropropene	Ū	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 (D!PE)	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	Acceptanc	ce Limits		
	(%)	(%)			
dibromofluoromethane	-101	78-114			
toiuene-D8	107	88-110			

D = Result provided from a re-analysis at a dilution.

100

U = Below quantitation limit

4-bromofluorobenzene

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	imīt	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	20	trans-1,3-dichloropropene	U	20
chloromethane	ប	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	บ	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	บ	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	ប	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	Ų	20	1,2,3-trichlorobenzene	U	20
toluene	430	20	1,4-dloxane	U	500
SURROGATE STANDARDS	Recovery	Acceptant	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	102	88-110			
A begreefly and a server	(00				

U = Below quantitation limit

102

4-bromofluorobenzene

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	imit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	40	trans-1,3-dichloropropene	U	40
chloromethane	U	40	2-hexanone	U	200
vinyl chloride	Ų	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
dlethyl 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	Ŭ	40
methyl t-butyl ether (MTBE)	U	40	o-xylene	Ū	40
trans-1,2-dichloroethene	43	40	styrene	Ū	40
isopropyl ether (DIPE)	U	40	bromoform	Ŭ	40
ethyl t-butyl ether (ETBE)	ປ	40	isopropylbenzene	ū	40
1,1-dichloroethane	280	40	1,1,2,2-tetrachloroethane	Ŭ	40
t-butanol (TBA)	U	1000	1,2,3-trichloropropane	ū	40
2-butanone (MEK)	U	200	n-propylbenzene	Ū	40
2,2-dichloropropane	U	40	bromobenzene	Ŭ	40
cis-1,2-dichloroethene	8800	40	1,3,5-trimethylbenzene	Ŭ	40
chloroform	U	40	2-chlorotoluene	Ū	40
bromochloromethane	U	40	4-chlorotoluene	Ŭ	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	ŭ	40
1,1,1-trichloroethane	11000	40	1,2,4-trimethylbenzene	Ŭ	40
1,1-dichloropropene	ປ	40	sec-butylbenzene	ũ	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	Ŭ	40
carbon tetrachloride	U	40	4-isopropyltoluene	Ū	40
1,2-dichloroethane	U	40	1,4-dichlorobenzene	Ŭ	40
benzene	U	40	1,2-dichlorobenzene	ŭ	40
trichloroethene	11000	40	n-butylbenzene	Ŭ	40
1,2-dichloropropane	U	40	1,2-dibromo-3-chloropropane	Ū	40
bromodichloromethane	U	40	1,2,4-trichlorobenzene	Ŭ	40
dibromomethane	U	40	hexachlorobutadiene	บ	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	ŭ	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	Ŭ	40
toluene	110	40	1,4-dioxane	Ű	1000
				0	1000
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	95	78-114			
toluene-D8	102				
4-bromofluorobenzene		88-110			
	101	86-115			

U = Below quantitation limit

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit		Quantitation Limit
	ug/L	ug/L		ug/L	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	IJ	100
1,1-dichloroethane	2600	100	1,1,2,2-tetrachloroethane	U	100
t-butanoi (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-butyibenzene	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-trichtorobenzene	Ŭ	100
toluene	9900	100	1,4-dioxane	U	3000
SURROGATE STANDARDS	Recovery	Acceptant	ce Limits		
	(%)	(%)			
dibromofluoromethane	98	78-114			
toluene-D8	103	88-110			
A laws man floor and a set					

D = Result provided from a re-analysis at a dilution.

107

U = Below quantitation limit

4-bromofluorobenzene

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	Ū	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	υ	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 elher (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	Ū	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-isopropyltolueлe	U	2
1,2-dlchloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1,2-dlchlorobenzene	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	ប	2
4-methyl-2-pentanone (MIBK)	U	10	пaphthalene	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	e Limits		
	(%)	(%)			
dibromofluoromethane	97	(//) 78-114			
toluene-D8	106				
4-bromofluorobenzene	98	88-110			
Toronoliuorobenzene	90	86-115			

U = Below quantitation limit

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation L	imit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	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
trichlorofluoromethano	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	ບ	40	styrene	U	40
isopropyl ether (DIPE)	U	40	bromoform	U	40
ethyl t-butyl ether (ETBE)	U	40	isopropylbenzene	Ŭ	40
1,1-dichloroethane	91	40	1,1,2,2-tetrachloroethane	Ū	40
t-butanol (TBA)	U	1000	1,2,3-trichloropropane	Ŭ	40
2-butanone (MEK)	U	200	n-propylbenzene	ū	40
2,2-dichloropropane	U	40	bromobenzene	Ū	40
cis-1,2-dichloroethene	610	40	1,3,5-trimethylbenzene	Ū	40
chloroform	U	40	2-chlorotoluene	Ū	40
bromochloromethane	U	40	4-chlorotoluene	Ŭ	40
tetrahydrofuran (THF)	U	200	tert-butylbenzene	Ũ	40
1,1,1-trichloroethane	U	40	1,2,4-trimethylbenzene	ŭ	40
1,1-dichloropropene	U	40	sec-butylbenzene	Ŭ	40
t-amyl-methyl ether (TAME)	U	40	1,3-dichlorobenzene	Ū	40
carbon tetrachloride	U	40	4-isopropyltoluene	620	40
1,2-dichloroethane	U	40	1,4-dichlorobenzene	Ŭ	40
benzene	U	40	1,2-dichlorobenzene	Ŭ	40
trichloroethene	120	40	n-butylbenzene	Ŭ	40
1,2-dlchloropropane	U	40	1,2-dibromo-3-chloropropane	Ŭ	40
bromodichloromethane	U	40	1,2,4-trichiorobenzene	ŭ	40
dibromomethane	U	40	hexachlorobutadiene	ŭ	40
4-methyl-2-pentanone (MIBK)	U	200	naphthalene	Ŭ	100
cis-1,3-dichloropropene	U	40	1,2,3-trichlorobenzene	Ŭ	40
toluene	2100	40	1,4-dioxane	Ŭ	1000
				Ŷ	1000
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	105	88-110			
4-bromofluorobenzene	106	86-115			
	100	00-110			

U = Below quantitation limit

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	ย	2	trans-1,3-dichloropropene	Ŭ	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dichloropropane	υ	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	บ	1	1,1,1,2-tetrachloroethane	U	2
methylene chloride	Ų	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	υ	2
2-butanone (MEK)	U	10	n-propylbenzene	υ	2
2,2-dichloropropane	U	2	bromobenzene	บ	2
cis-1,2-dichloroethene	U	2	1,3,5-trimethylbenzene	U	2
chloroform	U	2	2-chlorotoluene	U	2
bromochloromethane	U	2	4-chiorotoluene	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	Ŭ	2
1,2-dichloroethane	U	2	1,4-dichlorobenzene	U	2
benzene	U	2	1.2-dichlorobenzene	U	2
frichloroethene	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	Ū	5
cis-1,3-dichloropropene	U	2	1,2,3-trichlorobenzene	Ū	2
toluene	Ŭ	2	1,4-dioxane	Ū	50
				•	
SURROGATE STANDARDS	Recovery	Acceptance	ce Limits		
	(%)	(%)			
dibromofluoromethane	92	78-114			
toluene-D8	104	88-110			
4-bromofluorobenzene	104	86-115			
- SOUGHOUGODENZBIE	1VZ	00-110			

U = Below quantitation limit

Lab Number: Sample Designation: Date Sampled: Date Received: Date Extracted: Matrlx: Containers: Sample Preservation: Temperature:	10171-09 ESM-10 4/10/06 4/11/06 4/19/06 Water Satisfactory $pH \le 2$ Received on Ice at 4±2°C		
Dilution Factor: Analyst:	1 AJD		
-	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 U	0.5	4/20/06
fluoranthene	U U	0.5 0.5	4/20/06 4/20/06
pyrene 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	Ŭ	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	Ŭ	0.5	4/20/06
benzo(g,h,i)perylene	Ŭ	0.5	4/20/06
Ranges:	~	0.0	
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 Undroambon Oppon date evaluate expressions of a	and a second s		

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

	Concentration	Quantitation Limit
	ug/L	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

	Concentration	Quantitation Limit
	ug/L	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

1

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

	Concentration	Quantitation Limit
	ug/L	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

Concentration Quantitation Limit ug/L ug/L PCB-1016 0.3 U PCB-1242 0.3 U PCB-1221 U 0.3 PCB-1232 0.3 U 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
Aлalyst:	AJD

	Concentration	Quantitation Limit
	ug/L	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

	Concentration	Quantitation Limit
	ug/L	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	Quantitation Limit
	ug/L	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	บ	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

	Concentration	Quantitation Limit
	ug/L	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	υ	0.3
PCB-1260	U	0.3
PCB-1262	U	0.3
PCB-1268	U	0.3

SURROGATE STANDARDS	Recovery	Acceptance Limits
	(%)	(%)
Tetrachioro-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		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	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	1 5:24	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/13/06	1 5:24	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	1 5:24	SW3005A6010B

Lab Number: 10171-005

Sample ID: ESM-05B

Matrix: Water

Sampled:	4/10/06	10:00
----------	---------	-------

Sampled: 4/10/06	10:00	Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Resul	t Limit	Units	Factor	Analyst	Date	Date	Time	Reference
Arsenic	< 0.01	0.01	mg/L	1	BJS	N/A	4/13/06	1 5:40	SW3005A6010B
Barlum	0.22	0.05	mg/L	1	BJS	N/A	4/13/06	1 5:40	SW3005A6010B
Cadmium	< 0.005	0.005	mg/L	1	BJS	N/A	4/13/06	1 5:40	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	1 5:40	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

RESOURCE LABORATORIES, LLC.

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.

<u>Other</u>

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.

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(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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Laboratory 14	ame: Resource	Labora	tories, Ll	LC			Lab # 1	0171
Project Locat	ion Hyde Park			Project #			MADEI	P RTN (if e)
			the follo	wing data set in	the L	ab # refe	1	oove (see Chain c
	amples number		0.110	1	1 2 3	WI /	0.4	
Sample Matri	ices: Groundw	ater (x)	Soll/Se	aiment () Dri	nking	water () Other:	
MCP SW-	ACP SW- 8260 (x) 8081 () 6010 (x) Cyanide ()				le ()	Other ()		
846 Methods		VPH	(x)	7470/7471	(x)	Other	()	Other ()
Used	8082 (x)	EPH	(x)	Other	()	Other	()	Other ()
A	consistent wit documentatio	h that de	escribed data set		f Custo	ody	Yes (x) No ()
В	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()		
С	Standards of guidelines?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()) 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		-		idards and reco	mmen	dations	Yes ()	No(x)
F	for the specified methods achieved? Yes () No (x) Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes () No (x)							

Signature: funnl file

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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Li	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	U	2	trans-1,3-dichloropropene	U	2
chioromethane	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	Ų	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	Ų	2	styrene	U	2
isopropyl ether (DIPE)	U	2	bromotorm	U	2
ethyl t-butyl ether (ETBE)	U	2	isopropylbenzene	U	2
1,1-dichloroelhane	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-dichioropropene	U	2	sec-butylbenzene	U	2
t-amyl-methyl ether (TAME)	U	2	1,3-dichlorobenzene	U	2
carbon tetrachloride	ប	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-dlchloropropene	U	2	1,2,3-trichlorobenzene	U	2
toluene	U	2	1,4-dioxane	U	50
SURROGATE STANDARDS	Recovery	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	94	78-114			
toluene-D8	107	88-110			
4-bromofluorabenzena	98	86-115			
		00 1.0			

U = Below quantitation limit

 Lab Number.
 10171-5

 Sample Designation:
 Lab Con

 File Name:
 X:\DATA

 Dale Analyzed:
 4/18/06

 SW 846 Method 50305/8260B

10171-51 Lab Control Sample/Lab Control Sample Duplicate X:DATA/VOA03/2006/APR06/041806/V3041822.D

Compound	LCS Amount Found		LCS Amount Found		R
dichlorodifluoromethane	Amount Found 14	% Recovery 70% *	Amount Found	% Recovery 72%	3
chloromethane	14	80%	18	88%	9
vinyl chloride	17	8G%	18	92%	7
bromomethane	16	82%		88%	
chloroelhane			18		7
	17	86%	18	91%	5
trichlorofluoromethane	18	90%	19	97%	7
diethyleiher	18	92%	18	91%	1
acelone	13	0178	14	72%	7
1,1-dichloroethene	17	86%	19	95%	16
melhylene chloride	19	97%	19	97%	0
carbon disulfide	15	90%	19	94%	4
methyl-l-butyl eiher (MTBE)	35	89%	36	90%	1
trans-1,2-dichloroethene	18	91%	20	98%	7
isopropyl elher (DIPE)	18	92%	19	97%	5
ethyl-L-bulyl ether (ETBE)	18	91%	19	96%	6
1,1-dichloroelhane	17	86%	18	92%	7
(-bulanol (TBA)	74	74%	78	78%	6
2-butanone (MEK)	17	83%	15	81%	3
2,2-dichloropropane	17	83%	18	89%	7
	20		, -		
cis-1,2-dichloroethene		101%	21	107%	7
chloroform	19	95%	20	102%	7
bromochloromelhane	21	104%	21	107%	3
tetrahydrofuran (THF)	17	85%	18	88%	4
1,1,1-Irichloroelhane	17	87%	19	96%	9
1,1-dichloropropene	19	95%	20	102%	7
I-amyl-methyl ether (TAME)	19	94%	19	96%	3
carbon letrachloride	17	83%	18	90%	8
1,2-dichloroethane	18	88%	18	90%	2
benzone	20	100%	21	106%	5
Irichloroelhene	20	101%	21	107%	6
1.2-dichloropropane					
	20	99%	21	104%	5
bromodichloromelhane	17	84%	18	89%	6
dibromomelhane	20	101%	21	105%	4
-methyl-2-penlanone (MIBK)	19	95%	19	97%	2
sis-1,3-dichloropropene	20	96%	20	102%	4
oluene	21	105%	22	110%	5
rans-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-dichioropropane	21	105%	22	108%	3
atrachioroelhene	22				8
		111%	24	120%	
dibromochloromelhane	20	99%	20	100%	2
1,2-dibromoelhane (EDB)	21	106%	21	106%	11
chlorobenzene	21	107%	22	112%	4
1,1,1,2-leirachioroethane	20	102%	21	107%	49
shyibenzene	21	106%	22	108%	29
n&p-xylenes	44	109%	45	114%	49
-xylene	22	111%	23	116%	4
tyrene	21	106%	22	110%	49
	20	102%	21	103%	19
opropylbenzene	20		21		61
		112%	-	119%	
,1,2,2-letrachtoroethane	18	92%	18	91%	29
,2,3-trichloropropane	18	88%	17	87%	19
-propylbenzene	21	103%	21	107%	49
romobenzene	21	103%	22	108%	53
3,5-trimethylbenzene	19	97%	20	100%	2
chlorololuene	19	95%	20	99%	49
-chlorololuene	19	97%	20	100%	4
arl-bulylbenzene	17	87%	18	89%	3
2,4-Irimethylbenzene	19	94%	20	100%	6
ec-bulyibenzene	19	97%	20	102%	6
3-dichlorobenzene	20	100%	20	102%	2
isopropylloluene	21	104%	22	110%	69
4 dichlorobenzono	19	96%	20	100%	4
2-dichlorobenzene	20	102%	21	104%	2'
bulyibenzene	20	100%	21	107%	79
2-dibromo-3-chloropropane (17	83%	17	87%	55
2,4-Irichiorobenzene	18	90%	19	97%	89
exachtorobuladiene	19	97%	21	104%	79
aphlhaiene	14	72%	16	78%	89
2,3-1richlorobenzene	18	91%	19	98%	59
4-dioxane	37	92%	33	82%	12
URROGATE STANDARDS					
S dibromofluoromethane		92%		99%	
S laluene-D8		105%		108%	

* Indicates compounds known to be problemetic. 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

SW 846 Method 5030B/8260B

	Concentration	Quantitation Ll	mit	Concentration	Quantitation Limit
	ug/L	ug/L		ug/L	ug/L
dichlorodifluoromethane	Ū	2	trans-1,3-dichloropropene	Ū	2
chloromethane	U	2	2-hexanone	U	10
vinyl chloride	U	2	1,1,2-trichloroethane	U	2
bromomethane	U	2	1,3-dlchloropropane	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	Ų	2
carbon tetrachloride	U	2	4-isopropyltoluene	U	2
1,2-dichloroethane	υ	2	1,4-dichlorobenzena	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-pentaлone (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	Acceptan	ce Limits		
	(%)	(%)			
dibromofluoromethane	93	78-114			
toluene-D8	100	88-110			
4-bromofluorobenzene	99	86-115			

U = Below guantitation limit

Lab Number:	10171-53					
Sample Designation:	Lab Control Sample/La					
File Name:	X:\DATA\VOA03\2006\	NPR06\041806\V3	3041844 D			
Date Analyzed: SW 846 Method 5030B/8260	4/19/06					
5 W 646 Weined 50308/6200	LCS			,	CSD	RPD
Compound	Amount Found	% Recovery	۵	umount Found		RPD
dichlorodifluoromelhane	14	70%		13	56% *	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%
diethyleiher	19	93%		19	94%	1%
acelone	18	88%		18	88%	1%
1,1-dichloroethene	17	87%		18	68%	1%
methylene chloride	20	99%		19	94%	5%
carbon disulfide	18	88%		17	84%	5%
mathyl-t-butyl ether (MTBE)	38	95%		37	93%	3%
Irans-1,2-dichloroethene	10	91%		18	90%	2%
isopropyl elher (DIPE)	19	95%		18	90%	5%
ethyl-t-bulyl ether (ETBE)	19	97%		19	94%	4%
1,1-dichloroethane	18	91%		17	86%	5%
I-butanol (TBA)	90	90%		68	88%	3%
2-bulanone (MEK)	19	93%		18	89%	4%
2,2-dichloropropane	13	67%		13	66% *	2%
cis-1,2-dichlomethene	21	104%		20	99%	5%
chloroform	19	95%		19	96%	1%
bromochloromelhane	21	106%		21	104%	2%
tetrahydrofuran (THF)	19	96%		19	95%	1%
1,1,1-Irichloroethane	20	98%		18	91%	7%
1,1-dichloropropene	19	97%		19	96%	1%
L-amyl-melhyl elher (TAME)	20	100%		10	94%	6%
carbon tetrachloride	17	87%		17	83%	4%
1,2-dichloroethane	18	88%		18	89%	2%
benzene	20	88%		20	99%	1%
Irichloroethene	21	103%		20	101%	2%
1,2-dichloropropane	20	102%		20	100%	2%
bromodichloromethane dibromomethane	18	88%		17	87% 104%	1% 1%
	21	103% 104%		21 20	104%	4%
4-methyl-2-pentanone (MIBK) ds-1,3-dichloropropene	21 18				89%	4%
(oluege	20	92% 102%		18 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%
letrachloroethene	22	108%		22	111%	3%
dibromochloromethane	19	96%		20	98%	2%
1,2-dibromoethane (EDB)	20	99%		21	104%	4%
chlorobanzene	20	98%		20	102%	4%
1,1,1,2-letrachloroethane	20	99%		20	100%	2%
elhylbanzene	20	98%		20	100%	3%
m&p-xylenes	41	102%		43	106%	4%
o-xylene	20	102%		21	106%	4%
slyrene	8	42% #		14	72%	53%
bromoform	19	97%		20	101%	3%
isopropylbenzene	21	104%		22	108%	4%
1,1,2,2-letrachloroethane	18	90%		19	94%	4%
1,2,3-lrichioropropane	18	88%		18	89%	1%
n-propylbenzene	19	93%		20	100%	7%
bromobenzene	19	96%		21	103%	7%
1,3,5-lrimelhylbenzene	17	87%		19	97%	10%
2-chlorotoluene	17	86%		19	94%	9%
4-chlorololuene	18	88%		19	95%	8%
lerl-buly/benzene	17	83%		17	87%	4%
1,2,4-trimethylbenzene	18	90%		19	97%	7%
sec-buly/benzene	18	91%		18	92%	0%
1,3-dichlorobenzene	19	94%		20	99%	5%
4-Isopropyliciuene	19	94%		20	102%	8%
1,4-dichlorobenzene	18	92%		19	96%	5%
1,2-dichlorobenzene	19	96%		20	100%	4% 5N
n-bulyibenzene	19	95%		20	100%	5%
1,2-dibromo-3-chioropropane (17	85%		19	94%	10%
1,2,4-trichlorobenzene	17	86%		19	84%	8%
hexachiorobuladiene	18	90%		19	95%	5%
naphthalena 1.2.2. kichlereberrana	15	74%		16	80%	8%
1,2,3-trichtorobanzene 1,4-dioxene	18 35	91% 80%		20	100% 96%	9% 8%
1,9-1004010	33	89%		38	3707/i	C 76
SURROGATE STANDARDS						
SS dibromofluoromethane		99%			99%	
SS toluene-D8		108%			108%	
SS 4-bromofivoroberzene		107%			101%	

Lab Number:

10171-53

SS 4-bromofilvorobenzene 107% Preliminary Acceptance Criteria: Recovery 70% - 130% RPD 20%

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

101%

Lab Number:	10171-54
	Method Blank 041806
Sample Designation:	Method Dialik 041000
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 2,5-dibromotoluene as aliphatic		92% 93%	
-		93% 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

	Splike	Sample	MS/LCS		QC	
	Added	Concentration	Concentration	%	Lower	QC Upper
Compound	(ug/L)	(ug/L)	(ug/L)	Recovery	Limit	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%

	Spike	Sample	MSD/LCSD		QC	h		
	Added	Concentration	Concentration	%	Lower	QC Upper		RPD
Compound	(ug/L)	(ug/L)	(ug/L)	Recovery	Limit	Limit	RPD	Limlt
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
əthylbenzene	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: Sample Designation: Date Sampled; Date Received: Date Extracted: Matrix: Containers: Sample Preservation: Temperature: Dilution Factor: Analyst:	10171-50 Preparation Blank N/A N/A 4/18/06 Water N/A N/A N/A 1 AJD	181 W		
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:		ugir	ug/L	
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		Ū	0.5	4/18/06
chrysene		Ū	0.5	4/18/06
benzo(b)fluoranthene		Ŭ	0.5	4/18/06
benzo(k)fluoranthene		Ŭ	0.5	4/18/06
benzo(a)pyrene		Ŭ	0.2	4/18/06
indeno(1,2,3-cd)pyrene		Ŭ	0.5	4/18/06
dibenzo(a,h)anthracene		Ŭ	0.5	4/18/06
benzo(g,h,i)perylene		U	0.5	4/18/06
Ranges:		0	0.0	4/10/00
Unadjusted C11-C22 Aromatics (1)		U	200	4/19/06
- • •		U	200	4/19/06
C9-C18 Aliphatic Hydrocarbons (1)				
C19-C36 Aliphatic Hydrocarbons (1)		U	200	4/19/06
C11-C22 Aromatic Hydrocarbons (1,2)		U	200	4/19/06
Extraction Surrogate Recoveries:		101/		
1-chloro-octadecane		46%		
o-terphenyl		53%		
Fractionation Surrogate Recoveries:				
2-fluorobiphenyl		98%		
2-bromonaphthalene		90%		
Surrogate Acceptance Range		0-140%		
1 Uudroophon Ronge data avalude assessmentions of a			At	

1 Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

2 C11-C22 Aromalic Hydrocarbons exclude the concentration of target PAH Analytes.

U = Below quantitation limit

Lab Number: Sample Designation; Date Sampled: Date Received: Date Extracted; Matrix: Containers: Sample Preservation: Temperature: Dilution Factor: Analyst:	10171-51 Lab Control N/A N/A 4/18/06 Water N/A N/A N/A 1 AJD	Sample/Dup	licate 181 W					
EPH ANALYTICAL RESULTS		Amount		Amount				
Method for Ranges: MADEP EPH 2004-1.1		Found	LCS	Found	LCSD		Acceptance	
Method for Target Analytes: EPA 8270C	Added	in LCS	Recovery	in LCSD	Recovery	RPD	Criteria	Date of Analysis
	ug/L	ug/L	(%)	ug/L	(%)	(%)	(%)	
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
phenanihrene	60	42.98	72%	38.40	64%	-11%	<25%	4/19/06
acenaphthene	60	41.06	68%	36.16	60%	-13%	<25%	4/19/08
Other PAH Analytes:		20.44	0.404	22.42	C00/	4.4.07	-0500	4140/00
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
ругеле	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%	4/19/08
benzo(k)fluoranthene	60	59.95	100%	47.64	79%	-23%	<25%	4/19/06
benzo(a)pyrene	60	51.65	86%	45.9 9	77%	-12%	<25%	4/19/06
indeno(1,2,3-cd)pyrene	60	49.36	82%	43,65	73%	-12%	<25%	4/19/08
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-chioro-octadecane		46%		42%				
o-terphenyl		59%		57%				
Fractionation Surrogate Recoveries:								
2-fluorobiphenyl		1 02%		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

10171-52
LCS 181 W
N/A
N/A
4/18/06
Water
N/A
N/A
N/A
1
AJD

NAPHTHALENE BREAKTHROUGH CALCULATION

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

	LCS		
	Aliphatic Breakthrough	Acceptance	Date of Analysis
	(%)	Criteria	
naphthalene	2.5%	<5.0%	4/19/06
2-methylnaphthalene	1.5%	<5.0%	4/19/06

Lab Number: 10	0171-53
Sample Designation: LC	CSD 181 W
Date Sampled: N/	Ά
Date Received: N/	Ά
Date Extracted: 4/	18/06
Matrix: W	ater
Containers: N/	A
Sample Preservation: N/	A
Temperature: N/	Ά
Dilution Factor: 1	
Analyst: AJ	D

NAPHTHALENE BREAKTHROUGH CALCULATION

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

	LCSD		
	Aliphatic Breakthrough	Acceptance	Date of Analysis
	(%)	Criteria	
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

	Concentration	Quantitation Limit
	ug/L	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.

314 b40 M88000 53100/0002A

PCB-1016 PCB-1242 PCB-1221 PCB-1232 PCB-1248 PCB-1254	Amount Added ug/L 2	Amount Found LCS Found Added In LCS Recovery in LC ug/L ug/L (%) ug/	Amount Found in LCSD ug/L 1.5	LCSD Recovery (%) 75%	RPD (%) 0.0%	Date of Analysis 4/13/06 4/13/06 4/13/06 4/13/06 4/13/06 4/13/08	
PCB-1260 PCB-1262 PCB-1268	2	1.4	70%	1.5	75%	6.9%	4/13/06 4/13/06 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
Decachiorobiphenyi	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	Quantitation Limit
	ug/L	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

RL Resource Laboratories, LLC

Lab Number:	10171-61
Sample Designation:	Laboratory Control Sample/Dupilcate 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.

PCB-1016 PCB-1242 PCB-1221	Arnount Added ug/L 2	Amount Found in LCS ug/L 1.5	LCS Recovery (%) 75%	Amount Found in LCSD ug/L 1.8	LCSD Recovery (%) 90%	RPD (%) 18%	Date of Analysis 4/18/06 4/18/06 4/18/06
PCB-1232 PCB-1248 PCB-1254 PCB-1260 PCB-1262 PCB-1268	2	1.7	85%	1.8	90%	6%	4/18/06 4/18/06 4/18/06 4/18/06 4/18/06 4/18/06
Acceptance Criterla:			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

RL Resource Laboratories, LLC

Lab Number 10171	METALS	QC REPORT
Batch QC Results		

Prep Blank

		Result	Reporting Limit
Analyte	Sample ID #	(mg/L)	(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

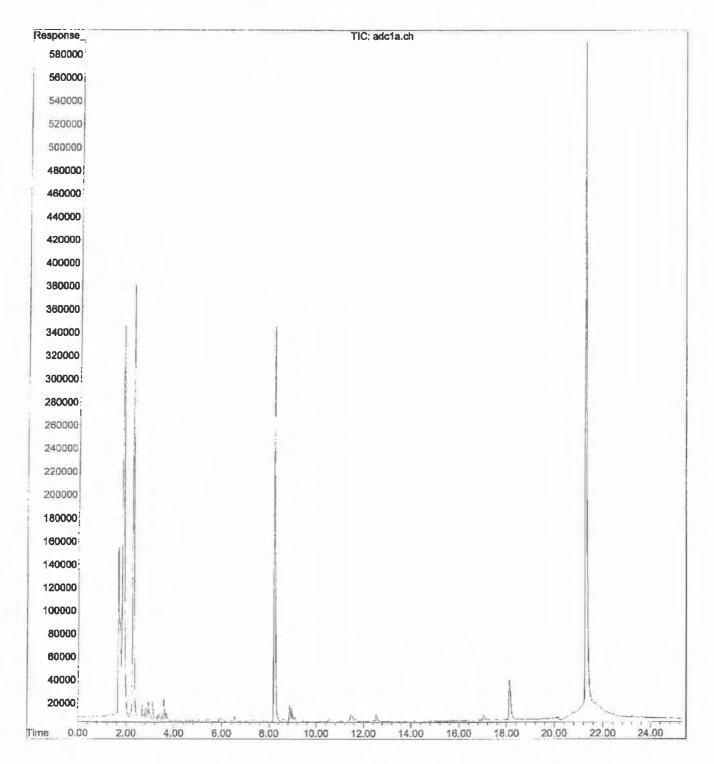
Laboratory Control Sample

Laboratory Con	trol Sample			%Recovery
		Result	True	Control Limits
Analyte	Sample ID #	(mg/L)	Value (mg/L)	(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

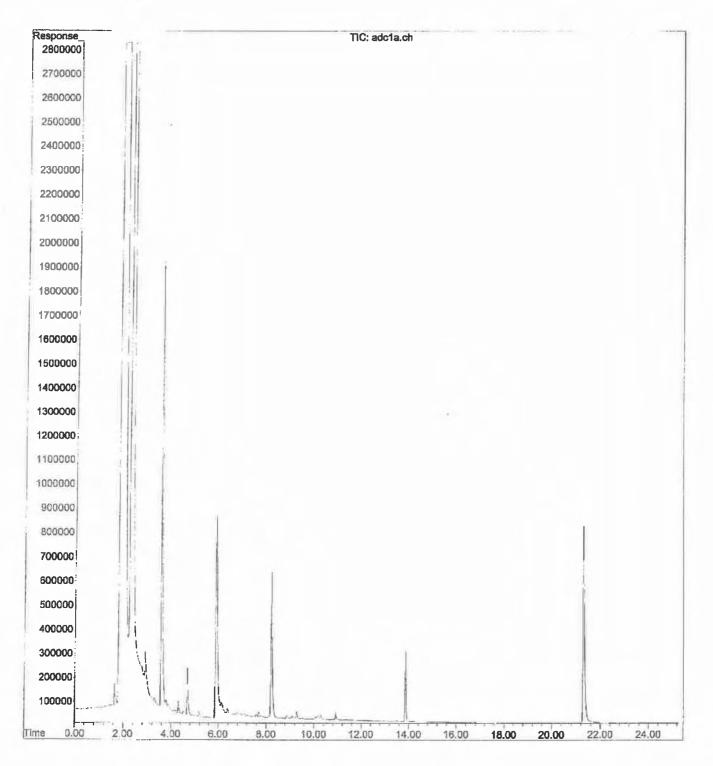
Sample Spike Data (MS)

		Sample Result	Spike Sample Result	Spike Amount	%Recovery Control Limits
Analyte	Sample ID #	(mg/L)	(mg/L)	(mg/L)	(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

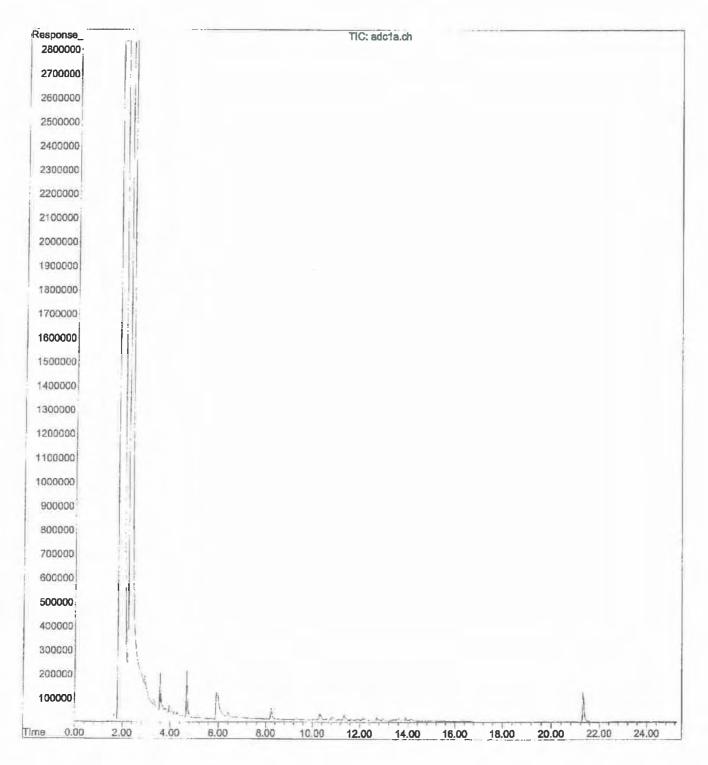
```
File : X:\DATA\SVOA03\2006\APR06\041806\010F0101.D
Operator : AJD
Acquired : 18 Apr 2006 12:46 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-01 pcb x1
Misc Info :
Vial Number: 10
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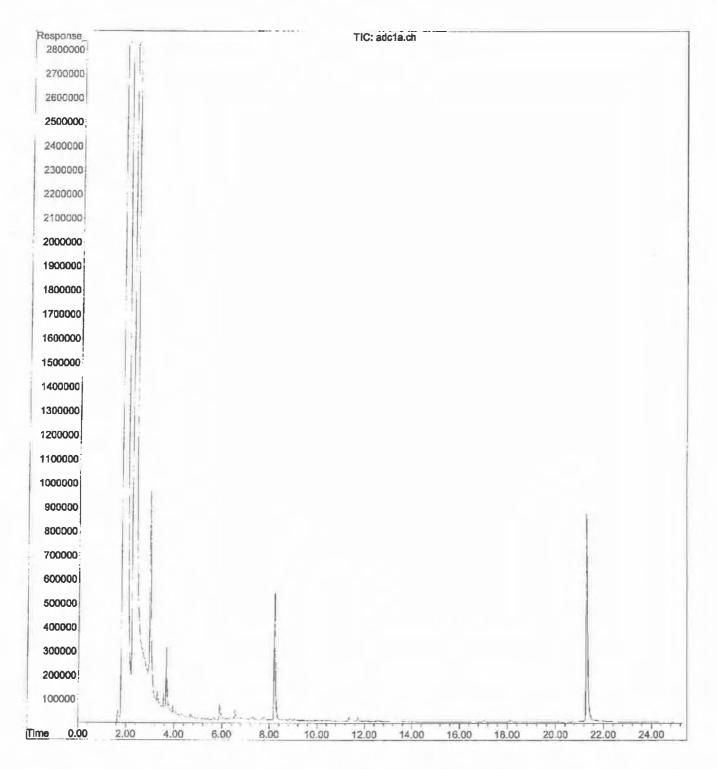
File : X:\DATA\SVOA03\2006\APR06\041806\023F0101.D
Operator : AJD
Acquired : 18 Apr 2006 06:59 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-02 pcb x1
Misc Info :
Vial Number: 23



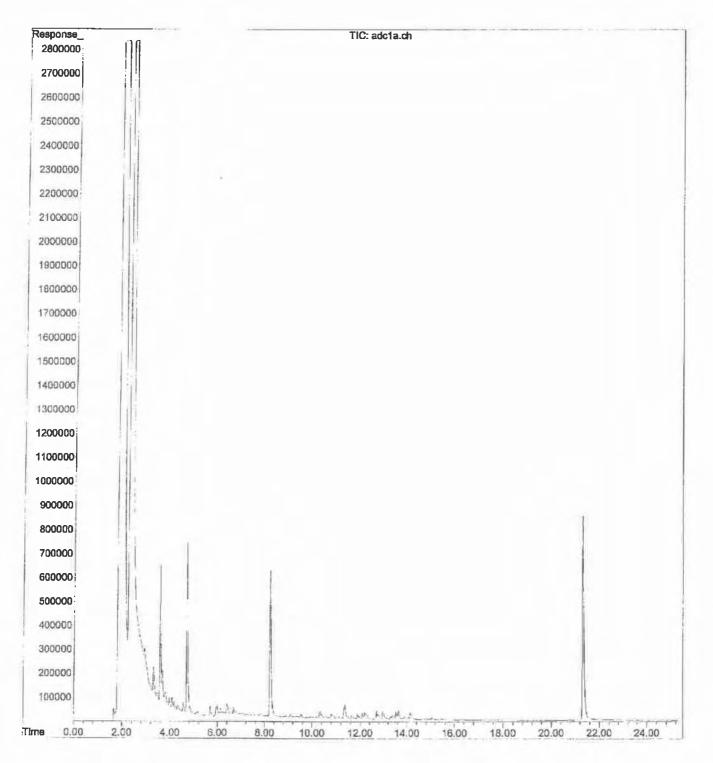
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File : X:\DATA\SVOA03\2006\APR06\041906\011F0101.D
Operator : AJD
Acquired : 19 Apr 2006 06:37 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-04rrpcbx20
Misc Info :
Vial Number: 11
```



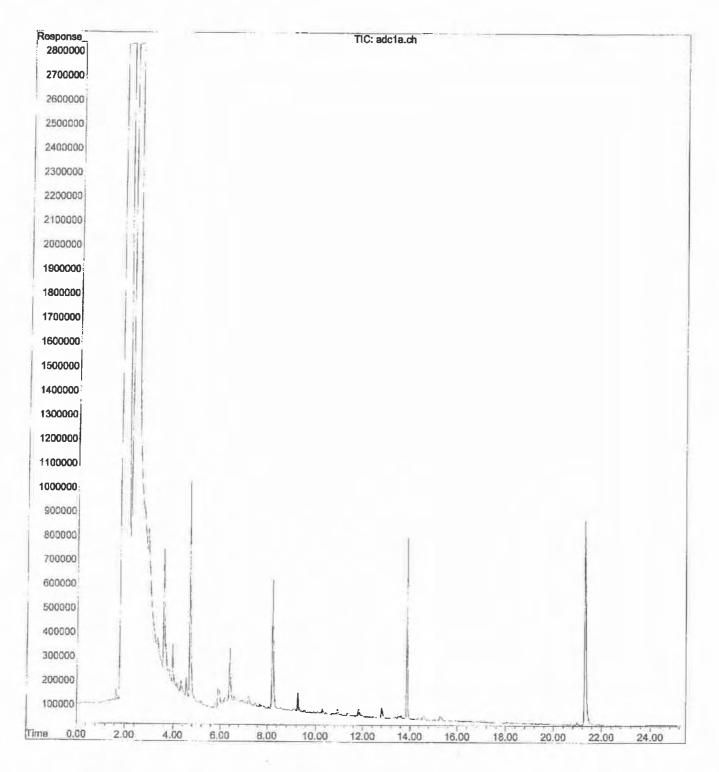
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File : X:\DATA\SVOA03\2006\APR06\041806\011F0101.D
Operator : AJD
Acquired : 18 Apr 2006 01:14 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-05 pcb x1
Misc Info :
Vial Number: 11
```



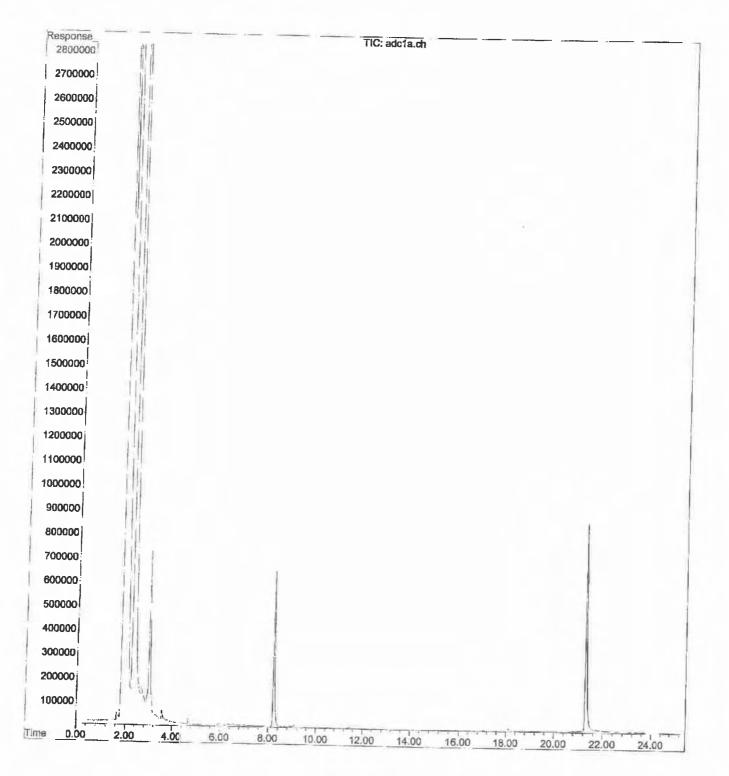
File : X:\DATA\SVOA03\2006\APR06\041906\006F0101.D
Operator : AJD
Acquired : 19 Apr 2006 03:27 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-06rr pcbx1
Misc Info :
Vial Number: 6



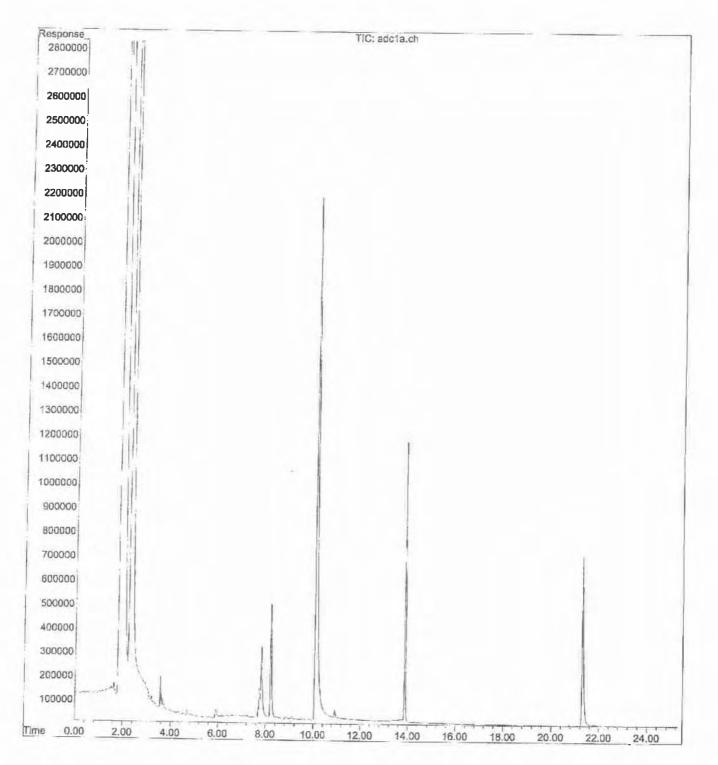
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File : X:\DATA\SVOA03\2006\APR06\041806\021F0101.D
Operator : AJD
Acquired : 18 Apr 2006 06:02 pm using AcqMethod S3PP10B.MTH
Instrument : SVOA03
Sample Name: 10171-07 pcb x1
Misc Info :
Vial Number: 21
```



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
```



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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 Maine NH903 Massachusetts M-NH902

Sample ID: PZ-04

Matrix: Water

والمريد المريسين	11/1E/00	14.20

Sampled: 11/15/06 11:30	Decest	Quant Limit		Instr Dil'n Factor	Analyst	Prep	Analysis Date	Analysis Time	Reference
Parameter:	Result		Units			Dale			SW5030B8260B
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06		
chloromethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06		SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06		SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		11/22/06		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
cls-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		SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
dibromochloromethane	<2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
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Project ID: DIVID Lewis Chem 2000-000 Lab ID: 11371

Lab Number: 11371-001

Sample ID: PZ-04

Matrix: Water

Sampled: 11/15/06 11:30

Sampled: 11/15/06 11:30		Quant		Instr Dil'n		Prep	Analysis		
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06		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	EMM		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		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-dichiorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06		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		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		SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		11/22/06	5:10	SW5030B8260B
Surrogate Recovery:		Limits	з						
dibromofluoromethane SUR	98	78-114	%	1	LMM		11/22/06		SW5030B8260B
toluene-D8 SUR	102	88-110	%	1	L.MM		11/22/06		SW5030B8260B
4-bromofluorobenzene SUR	93	86-115	%	1	LMM		11/22/06	5:10	SW5030B8260B

Project ID: DIND Lewis Griem 2000-000

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-peпtanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
cls-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		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		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		SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	5:41	SW5030B8260B

Sample ID: PZ-05

Matrix: Water

Sampled:	11/15/06	12.20

Sampled: 11/15/06 12:20		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	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 :4 1	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		SW5030B8260B
4-bromofluorobenzene SUR	91	86-115	%	1	LMM		11/22/06	5:41	SW5030B8260B

Sample ID: PZ-06

Matrix: Water

Sampled: 11/15/06 13:00		Quant		Instr Dil'n		Prep	Analysis	Analysis	
Parameter:	Result	Limit	Units	Factor	Analyst		Date	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	শ	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
cls-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06	6:1 1	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

Sample ID: PZ-06

. Matrix: Water

1 1 4445100

Sampled: 11/15/06 13:00		Quant		Instr Dil'n		Prep	Analysis		
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
1,2-dlbromoethane (EDB)	< 2	2	ug/L	1	LMM		11/22/06		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	6:1 1	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		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

Sample ID: PZ-07

Matrix: Water

Watrix: Water									
Sampled: 11/15/06 15:00		Quant		Instr Dil'n		Prep	Analysis		
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
vinyl chlorlde	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	EMM		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		SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		11/22/06		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		SW5030B8260B
bromodichioromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		11/22/06		SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
tetrachloroethene	2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
dibromochloromethane	< 2	2	ug/L	1	LMM		11/22/06	6:42	SW5030B8260B

Sample ID: PZ-07

Matrix: Water

Sampled: 11/15/06 15:00		Quant		Instr Dil'n		Prep	Analysis		
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	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	SW503088260B
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	1.4	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-dlchlorobenzene	< 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		SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	L.MM		11/22/06	6:42	SW5030B8260B
Surrogate Recovery:		Limits							
dibromofluoromethane SUR	99	78-114	%	1	LMM		11/22/06		SW5030B8260B
toluene-D8 SUR	103	88-110	%	1	LMM		11/22/06		SW5030B8260B
4-bromofluorobenzene SUR	95	86-115	%	1	LMM		11/22/06	6:42	SW5030B8260B

Sample ID: Trip Blank

Matrix: Water

Sampled: 11/15/06		Quant		Instr Dil'n	har a bara ƙ	Prep	Analysis		
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
chloromethane	· <2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		11/22/06		SW5030B8260B
diethyl ether	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		11/22/06		SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		11/22/06		SW5030B8260B
methylene chloride	< 5	5	ug/L	1	LMM		11/22/06		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 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	L.MM		11/22/06	3:08	SW5030B8260B
cls-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
			-						

Labib.

Lab Number: 11371-005

Sample ID: Trip Blank

Matrix: Water

Sampled: 11/15/06		Quant		Instr Dil'n		Prep	Analysis		
Parameter:	Result	Limit	Units	Factor	Analyst	Date	Date	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
bramoform	< 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	L.MM		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

RESOURCE LABORATORIES, LLC.

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 MC	P Analytical M	lethod Report	Certification F	orm			ويتعالك ومنصلة وموققاته الورد			
		Laboratories, L				Lab # 11	371			
Project Locati	on Hyde Park		Project #			MADEP RTN (if available)				
Custody for sa	amples numbers	;)					ove (see Chain of			
Sample Matrie	ces: Groundwa	nter (x) Soil/Se	ediment () Dr	inking	Water () Other:				
MCP SW-	8260 (x)	8081 ()	6010	()	Cyanid	e ()	Other ()			
846 Methods	8270 ()	VPH ()	7470/7471	()	Other	()	Other ()			
Used	8082 ()	EPH ()	Other	()	Other	()	Other ()			
А	consistent with documentation	les received by h that described h for the data set	on the Chain o	f Custo	ody	Yes (x)	No ()			
В	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?						No ()			
С	Does the data requirements f Section 2.0 (a) CAM VII A, "	included in this for "Presumptive , (b), (c) and (d) Quality Assurant the Acquisition	e Certainty" as) of the MADE nce and Quality	describ P docu 7 Contr	bed in ment ol	Yes (x)	No ()			
D	VPH and EPH	methods only: thout significan ive Methods)				Yes ()	No () NA			
Е		erformance star d methods achi		mmen	dations	Yes ()	No (x)			
F		or all analyte-lis nethod(s) report	•	lement	s for	Yes (x)	No ()			
of those respon	nsible for obtair		tion, the mater	ial con			personal inquiry tical report is, to			

Signature: Susand Pylink

Printed Name: Susan C. Sylvester

Position: Lab Director

Date: 12-6-06

	AND DEFENSE OF DESCRIPTION OF MARKET PRODUCTION AND	Report -	Limit	RPD RPD Limit
lethod QC ID		ple Result Units Amt Added %R	LIMIC	
W5030B8260B 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		ă.
	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-dlchloroethene	< 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		
	chlorobenzane	< 2 ug/L		
	1.1.1.2 totrachloracihona	< 2 unl		

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2 ug/L

2 ug/L

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2 ug/L 2 ug/L

ethylbenzene

m&p-xylenes

o-xylene

styrene

bromoform

1,1,1,2-tetrachloroethane

Nethod QC ID SW5030B8260B BLK0403790

Parameter	Associated Sample	Resul	t Units	Amt Added	%R	L	mit	RPD	RPD
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-butylbanzena		< :	2 ug/L						
1,3-dichlorobenzene		< :	2 ug/L						
4-isopropyitoluene		< :	2 ug/L						
1,4-dichlorobenzene		< :	2 ug/L						
1,2-dichlorobenzene		< :	2 ug/L						
n-butyibenzene		< 2	2 ug/L						
1,2-dibromo-3-chloropropa	ne	< ;	2 ug/L						
1,2,4-trichlorobenzene		< 2	2 ug/L						
hexachlorobutadiene		< :	2 ug/L						
naphthalene		< !	5 ug/L						
1,2,3-trichlorobenzene		< :	2 ug/L						
dibromofluoromethane SUF	र	10	3 %			78	114		
toluene-D8 SUR		10) %			88	110		
4-bromofluorobenzene SUF	र	92	2 %			86	115		

- ----

Limit

Method QC ID SW5030B8260B LCS0403790

-			171-19							
	Parameter	Associated Sample						imit	RPD	RPD Limit
	dichlorodifluoromethane			ug/L	20	86	70	130		
	chloromethane			ug/L	20	103	70	130		
	vinyl chloride			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			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	u g/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 tetrachlorlde		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 (MIBI	()	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 (u g/L	20	105	70	130		
	dibromochloromethane		16 1	ug/L	20	78	70	130		
	1,2-dibromoethane (EDB)		20 (Jg/L	20	100	70	130		
	chlorobenzene		21 เ	.ig/L	20	104	70	130		
	1,1,1,2-tetrachloroethane		17 i	Jg/L	20	87	70	130		
	ethylbenzene		22 (.ug/L	20	109	70	130		
	m&p-xylenes		45 (.g/L	40	113	70	130		
	o-xylene		23 เ	ıg/L	20	115	70	130		
	styrene		22 เ	ıg/L	20	109	70	130		
	bromoform		12 u	.g/L	20	61	# 70	130		
	isopropylbenzene		22 t	ıg/L	20	112	70	130		
	1,1,2,2-tetrachloroethane			ıg/L.	20	84	70	130		
							1	RI.		
								N	Resource La	horatories, LLC

KL Resource Laboratories, LLC

l	lethod	QC ID
S	W5030B8260B	LCS0403790

Parameter	Associated Sample	Result Unit	s Amt Added	%R	L	imit	RPD	RPD Limit
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	9 9	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 vg/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-chloropropa	ane	13 ug/L	20	67	# 70	130		
1,2,4-trichlorobenzene		19 ug/L	20	96	70	130		
hexachiorobutadiene		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 SU	R	98 %			78	114		
toluene-D8 SUR		103 %			88	110		
4-bromofluorobenzene SU	R	106 %			86	115		

Method SW503 '90

QC	ID	

30882608	LCSD04037	c
JUDDZOUD	LUODU4U3/	5

dichlorodifluoromethane chloromethane vinyl chloride			Amt Added					RPD	RPD Limit
		17 ug/L	20	87		70	130	1	20
vinyl chloride		21 ug/L	20	103		70	130	0.2	20
		19 ug/L	20	95		70	130	0.4	20
bromomethane		18 ug/L	20	89		70	130	2.2	20
chloroelhane		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 (MTE	3F)	20 ug/L	20	101		70	130	1.9	20
trans-1,2-dichloroethene	,	20 ug/L	20	103		70	130	3	20
Isopropyi 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	1	20 ug/L 20 ug/L	20	102		70	130	0.9	20
		-	100	88		70	130	3.6	20
t-butanol (TBA)		88 ug/L		88 92		70	130	3.0 4.9	20
2-butanone (MEK)		18 ug/L	20						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	
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 (TAN	IE)	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
dlbromomethane		21 ug/L	20	105		70	130	0.6	20
4-methyl-2-pentanone (M	IBK)	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	3	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		20 ug/L 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		22 ug/L 44 ug/L	40	110		70	130	2.5	20
		_	40 20	110		70	130	⊻.0 5	20
o-xylene		22 ug/L					130	2.2	20
styrene		21 ug/L	20	106	11	70 70			
bromoform		13 ug/L	20	63	#	70	130	3.2	20
isopropylbenzene 1,1,2,2-tetrachioroethane		22 ug/L 17 ug/L	20 20	110 86		70 70	130 130	1.1 2.4	20 20

KL Resource Laboratories, LLC

Method QC ID	Parameter	Associated Sample	Result Units	Amt Added	%R	L	imit	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-buty/benzene		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-dichiorobenzene		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-chloropropan	8	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		

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