MILES 412 HOURS 14 LOAD# 14280 SO# 59156 CUST# 73720 T- 52

Emergency Contact Telephone Number

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. ~~HOCKR MAT 7.761~~ OHD074703547 01474

Manifest Document No. 0.7.0.2.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CHRYSLER / DAYTON THERMAL PLANT
1600 WEBSTER STREET DAYTON, OH 45404

4. Generator's Phone ( )

A. State Manifest Document Number 07022

B. State Generator's ID SAME

5. Transporter 1 Company Name: S. D. MYERS, INC.

6. US EPA ID Number: O·H·D·0·5·3·5·7·6·2·9·4

C. State Transporter's ID

D. Transporter's Phone 216/633-2666

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone 216/633-2666

9. Designated Facility Name and Site Address
S. D. MYERS, INC.
180 SOUTH AVE.
TALLMADGE, OH 44278

10. US EPA ID Number: O·H·D·0·5·3·5·7·6·2·9·4

G. State Facility's ID

H. Facility's Phone 216/633-2666

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	NON-DOT REGULATED POLYCHLORINATED BIPHENYLS		002	T·P	9464	K	
b.	RQ, POLYCHLORINATED BIPHENYLS, 9, UN2315, PG III, MARINE POLLUTANT	X	001	T·P	4867	K	
c.	RQ, POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG III (SOLID)	X	001	D·M	45	K	
d.							

J. Additional Descriptions for Materials Listed Above
11A. DRAINED ASKAREL XFMR.
11B. ASKAREL IN PORTABLE TANK.
11C. SOLID WASTE IN DRUM.
SEE ATTACHED MANIFEST CONTINUATION SHEET FOR ADDITIONAL INFORMATION.

12/6/95 contacted S.D. Meyer about receiving PCB drums - YES

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information *24 HOUR EMERGENCY RESPONSE #(216)945-2554 ERG #31
COPIES OF ALL DOC. TO: FERNDALE ELECTRIC
1571 MAPLEDALE
ATTN: ART ASHLEY FERNDALE, MI 48220 (810) 545-4404

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimized the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DOUG ORF SIGNED BY TED SOCHA | Signature | Month 11 Day 24 Year 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PJ NOCK | Signature | Month 11 Day 24 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space
13.A. 10,074 Kg. 13.C. 32 Kg

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: D. L. JACKSON | Signature | Month 11 Day 27 Year 95

GENERATOR / TRANSPORTER / FACILITY

EPA Form 8700-22 (Rev. 9-92) Previous edition obsolete.

EPA Region 5 Records Ctr.
350053

CARLO ENVIRONMENTAL TECHNOLOGIES, INC.

44907 Trinity Drive, Clinton Township, Michigan 48038 ■ (810)468-9580 ■ FAX (810)468-9589

FACSIMILE TRANSMITTAL COVER SHEET

PLEASE DELIVER THE FOLLOWING NUMBER OF PAGE(S): 4

TO: Name: Gary Stanczuk Date: 3/12/98

Company: Chrysler FROM: Darwin Joyer

Facsimile #: 1-248- ~~518-8631~~ 576-7369

MESSAGE:

HARD COPY TO FOLLOW IN U.S.MAIL _____

This document contains information that is confidential. It is for the exclusive use of the addressee. If you are not the addressee, please note that any distribution, copying or use of this document or the information in it is prohibited. If you have received this document in error, please telephone us to arrange for its return. Thank you.

a:\masters\9/94\faxcov.org

BID FORM
R.F.Q. #5407-0204-MN

TO: Keith A. Coney, CIMS 484-00-04
Chrysler Corporation Purchasing
Chrysler Technology Center
800 Chrysler Drive
Auburn Hills, MI 48326-2757

FOR: Installation Stamping Press
Foundations with Drain Decks
Chrysler Corporation
Dayton Thermal Products Plant
Dayton, Ohio

The undersigned has carefully examined the Request for Bid for Installation of Stamping Presses with Drain Decks Piped to Existing Waste Oil Sump and other conditions relative to the work, and has made all evaluations and investigations necessary to gain a full understanding of pertinent site conditions and all regulatory, material, equipment, and labor requirements necessary to successfully and safely complete the work, as well as any reasonable difficulties which may be encountered in performing the work.

BID SCHEDULE

The undersigned hereby proposes and agrees to furnish all labor, materials, equipment, tools, permits, licenses, taxes, services and all other items necessary or appropriate for the proper and complete execution of the work for the following lump sum amount:

Base Bid Estimate

All work: One Hundered ninety six thousand two hundred two Dollars ($ 196,202.00)

The undersigned agrees, if this proposal is accepted, to enter into an agreement with Chrysler Corporation, per the Standard Terms and Conditions of Chrysler Corporation, for the above unit price-based, Contract Sum.

Lump Sum Prices

This lump sumbid is based upon, and all work shall be performed in accordance with, the Unit Prices listed below. Should additions or subtractions to the scope of work be required, adjustment will be made to the Contract Sum at the following Unit Prices, which shall include all associated expenses, including taxes, overhead and profit.

UNIT PRICE TABLE

I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
A.	Mobilize and demobilize equipment and work crew to/from Dayton, Ohio.	L.S.	1	43,258	43,258
B.	Physical and vapor barrier materials, construction and vapor control system.	L.S.	1	12.880	12,880
C.	Concrete removal and disposal at Chrysler-approved facility.	L.S.	1	4,414	4,414
D.	Excavation, compaction, and shoring of two press pit foundations, decks and associated piping trench.	L.S.	1	32,470	32,470

I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
E.	Shop drawings for rebar placement.	L.S.	1	950	950
F.	Concrete Forming.	Each	2	8,570	17,140
G.	Rebar placement.	Each	2	3,840	7,680
H.	Concrete emplacement and finishing.	Each	2	6,434	12,868
I.	Drain deck installation.	Each	2	6,570	13,140
J.	Sub-slab drainage piping installation and connection to existing sump.	L.S.	1	12,085	12,085
K.	Full-time health and safety officer.	L.S.	1	4,500	4,500
L.	Decontamination pad, equipment and supplies.	L.S.	1	2,940	2,940
M.	Construction debris storage, and disposal at Chrysler-approved facility.	L.S.	1	11,580	11,580
N.	Non-hazardous liquid waste transport and disposal at Chrysler-approved facility.	Per Gallon	100	10.58	10.58
O.	Hazardous liquid waste transport and disposal at Chrysler-approved facility.	Per Gallon	0	14.03	-
P.	Non-hazardous soil transport and disposal at Chrysler-approved facility.	Per Ton	150	128.26	19,239
Q.	Hazardous soil transport and disposal at Chrysler-approved facility.	Per Ton	0	243.26	-
R.	Level C Personal Protection.	Per Man Per Day	0	139.00	-
S.	Level B Personal Protection.	Per Man Per Day	0	564.00	-
	TOTAL LUMP SUM BID	------	------	------	196,202

L.S. = Lump Sum L.F. = Linear Foot

NOTE: Bidder shall provide Unit Prices for all equipment/materials/services on Unit Price Table even if no quantity is indicated.

PROJECT INITIATION

If awarded this contract, the undersigned bidder proposes and agrees to start work NO LATER THAN ~~MARCH 2, 1998.~~

PROJECT COMPLETION

If awarded this contract, the undersigned bidder agrees to complete the work NO LATER THAN ~~MARCH 15, 1998.~~

ADDENDA RECEIVED (IF REQUIRED)

The undersigned hereby acknowledges receipt of the following Addenda which shall become part of the Contract Documents:

Addendum Number 1 Dated_____ Addendum Number 2 Dated_____

Any Bid Addenda received during the bid process should be acknowledged by the Contractor by transferring the date of the Addenda to the appropriate line above.

BID ACCEPTANCE

In submitting this proposal, it is understood that Chrysler Corporation reserves the right to reject any or all bids, waive any formalities or technicalities in any bid and to make an award in the best interest of Chrysler Corporation. It is further understood and agreed that this proposal may not be withdrawn for a period of sixty (60) calender days after the date set for bid receipt.

Our company IS____, IS NOT X a Certified Minority Business Enterprise (MBE) firm. If so, attach certification.

Respectfully Submitted:

Carlo Environmental Technologies, Inc.
Contractor Firm

Signature

Michael Catenacci President
Name and Title

March 11, 1998
Date

(810) 468-9580
Telephone Number

(810) 468-9589
Fax Number

S:\TECH\3CHRY\DAYTON\PROJMGMT\BIDS\BIDPIT.FRM

FAX to Chrysler - 5 Pages

CARLO ENVIRONMENTAL TECHNOLOGIES, INC.

44907 TRINITY DR. • CLINTON TWP., MICHIGAN 48038-0744 • (810) 468-9580 • FAX (810) 468-9589

LETTER OF TRANSMITTAL

TO: Keith Coney 248.512.1521
GARY STANCZUK 248.576.7369

DATE: 11 June 1998

PROJECT: Dayton Thermal

RE: Information to prep for our meeting on the 12th at 13⁰⁰/your office.

ATTN:

Gentlemen:

We are transmitting the following to you:

☐ Attached ☐ For Your File ☐ For Processing

☐ For Your Approval ☐ For Review & Comment ☐ Per Your Request

REMARKS: Attached are tables outlining each of the topics to be discussed tomorrow:

1) Buried Foundations delay & removal
2) Buried pipe delay & removal
3) Delay caused by issue relating to pipefitters.
4) Sheeting
5) Extra costs for using roll off equipment - this will be a cost + % pass through as previously discussed.

See you tomorrow.

Very truly yours,
CARLO ENVIRONMENTAL
TECHNOLOGIES, INC.

Copy To:

BY

Buried Foundation removal

CHRYSLER DAYTON
CET JOB #1576

		4/22/1998				
		WED				
		REG OT				
LABORER						OT
FOREMAN		10			$700.00	$0.00
OPERATOR		20			$1,140.00	$0.00
LABORER		30			$1,710.00	$0.00
					$3,550.00 PERSONNEL	3550
EQUIPEMENT						
CAT 428 RUBBER TIRE BACKHOE		10			$1,000.00	
BRODERSON CRANE					$0.00	
120 KOMATSU EXCAVATOR		4			$360.00	
SHEETING DRIVER					$0.00	
TORCHES					$0.00	
HAMMER					$0.00	
WELDER					$0.00	
					$1,360.00 EQUIPMENT	1360
						4910

DRAFT

Buried pipe removal

CHRYSLER DAYTON
CET JOB #1576

	4/21/1998					
	TUE					
	REG	OT				
LABORER						OT
FOREMAN	10	2.5			$700.00	$235.00
OPERATOR	20	5			$1,140.00	$405.00
LABORER	30	7.5			$1,410.00	$532.50
					[redacted]	÷ 3 = $ 1,474.16
EQUIPEMENT						
CAT 426 RUBBER TIRE BACKHOE	6				$600.00	
BRODERSON CRANE					$0.00	
120 KOMATSU EXCAVATOR	6				$540.00	
SHEETING DRIVER					$0.00	
TORCHES					$0.00	
HAMMER	6				$120.00	
WELDER					$0.00	
					[redacted]	÷ 3 = $420

DRAFT

1/3 day last time

total Extra @ $ 1,894.16

CHRYSLER DAYTON
CET JOB #1576

DELAY DUE TO Pipefitters Situation; waiting for Engineers re: compaction of bottom of Excavation/Soil for backfill.

			5/18/1998		5/19/1998			
			MON		TUE			
			REG	OT	REG	OT		OT
LABORER								
FOREMAN			10	1.5	10	1.5	$1,400.00	$282.00
OPERATOR			20	3	20	3	$2,280.00	$486.00
LABORER			30	4.5	36	4.5	$3,102.00	$639.00
							[redacted]	÷ 4 $2,047.25
EQUIPEMENT								
CAT 426 RUBBER TIRE BACKHOE					3.5		$350.00	
BRODERSON CRANE			3				$150.00	
120 KOMATSU EXCAVATOR							$0.00	
SHEETING DRIVER							$0.00	
TORCHES			3		3.5		$85.00	
HAMMER							$0.00	
WELDER					3.5		$140.00	
							[redacted]	÷ 4 $176.25

DRAFT

$2,223.50

½ day delay

Sheeting Extra Charges

CHRYSLER DAYTON
CET JOB #1576

DRAFT

	4/27/1998		4/28/1998		4/29/1998		4/30/1998		5/1/1998		5/4/1998		5/5/1998			
	MON		TUE		WED		THU		FRI		MON		TUE			
	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT	REG	OT		OT
LABORER																
FOREMAN	10	0.5	10	1.5	10	1.5	10	1.5		8.5	9		10	1.5	$4,130.00	$1,410.00
OPERATOR	20	1	20	3	20	3	20	3		9	18		20	3	$6,726.00	$1,782.00
LABORER	30	1.5	30	4.5	30	4.5	30	4.5		17.5	21.5		30	4.5	$8,060.50	$2,627.00
															[redacted]	
EQUIPEMENT																
CAT 426 RUBBER TIRE BACKHOE			2		4		2								$800.00	24,735
BRODERSON CRANE	10.5		11.5		11.5		11.5		4.5		4		4		$2,875.00	
120 KOMATSU EXCAVATOR	10.5		11.5		11.5		11.5		4.5		4		11.5		$5,850.00	
SHEETING DRIVER	10.5		3		4		6		4		4		4		$710.00	
TORCHES	4		4		3		4		1		4		2		$220.00	
HAMMER	4		3		7		4		2		4		4		$560.00	
WELDER	2		4		2		4		2		4		2		$800.00	
															[redacted]	

11,815

sheeting $7,789.13
corners 1,865.00
bracing 1,500.00

11,154.13
x 1.10
12,269.54

BID FORM
R.F.Q. #5407-0204-MN

TO: Keith A. Coney, CIMS 484-00-04
Chrysler Corporation Purchasing
Chrysler Technology Center
800 Chrysler Drive
Auburn Hills, MI 48326-2757

FOR: Installation Stamping Press
Foundations with Drain Decks
Chrysler Corporation
Dayton Thermal Products Plant
Dayton, Ohio

The undersigned has carefully examined the Request for Bid for Installation of Stamping Presses with Drain Decks Piped to Existing Waste Oil Sump and other conditions relative to the work, and has made all evaluations and investigations necessary to gain a full understanding of pertinent site conditions and all regulatory, material, equipment, and labor requirements necessary to successfully and safely complete the work, as well as any reasonable difficulties which may be encountered in performing the work.

BID SCHEDULE

The undersigned hereby proposes and agrees to furnish all labor, materials, equipment, tools, permits, licenses, taxes, services and all other items necessary or appropriate for the proper and complete execution of the work for the following lump sum amount:

Base Bid Estimate

All work:_____Dollars ($ 196,202.00)

The undersigned agrees, if this proposal is accepted, to enter into an agreement with Chrysler Corporation, per the Standard Terms and Conditions of Chrysler Corporation, for the above unit price-based, Contract Sum.

Lump Sum Prices
This lump sumbid is based upon, and all work shall be performed in accordance with, the Unit Prices listed below. Should additions or subtractions to the scope of work be required, adjustment will be made to the Contract Sum at the following Unit Prices, which shall include all associated expenses, including taxes, overhead and profit.

Plant charges

UNIT PRICE TABLE

	I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
X	A.	Mobilize and demobilize equipment and work crew to/from Dayton, Ohio.	L.S.	1	43,258	43,258
	B.	Physical and vapor barrier materials, construction and vapor control system.	L.S.	1	12.880	12,880
X	C.	Concrete removal and disposal at Chrysler-approved facility.	L.S.	1	4,414	4,414
X	D.	Excavation, compaction, and shoring of two press pit foundations, decks and associated piping trench.	L.S.	1	32,470	32,470

	I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
X	E.	Shop drawings for rebar placement.	L.S.	1	950	950
X	F.	Concrete Forming.	Each	2	8,570	17,140
X	G.	Rebar placement.	Each	2	3,840	7,680
X	H.	Concrete emplacement and finishing.	Each	2	6,434	12,868
X	I.	Drain deck installation.	Each	2	6,570	13,140
X	J.	Sub-slab drainage piping installation and connection to existing sump.	L.S.	1	12,085	12,085
	K.	Full-time health and safety officer.	L.S.	1	4,500	4,500
	L.	Decontamination pad, equipment and supplies.	L.S.	1	2,940	2,940
X	M.	Construction debris storage, and disposal at Chrysler-approved facility.	L.S.	1	11,580	11,580
	N.	Non-hazardous liquid waste transport and disposal at Chrysler-approved facility.	Per Gallon	100	10.58	10.58
	O.	Hazardous liquid waste transport and disposal at Chrysler-approved facility.	Per Gallon	0	14.03	-
	P.	Non-hazardous soil transport and disposal at Chrysler-approved facility.	Per Ton	150	128.26	19,239
	Q.	Hazardous soil transport and disposal at Chrysler-approved facility.	Per Ton	0	243.26	-
	R.	Level C Personal Protection.	Per Man Per Day	0	139.00	-
	S.	Level B Personal Protection.	Per Man Per Day	0	564.00	-
		TOTAL LUMP SUM BID	-------	------	---------	196,202

L.S. = Lump Sum L.F. = Linear Foot

NOTE: Bidder shall provide Unit Prices for all equipment/materials/services on Unit Price Table even if no quantity is indicated.

PROJECT INITIATION

If awarded this contract, the undersigned bidder proposes and agrees to start work NO LATER THAN MARCH 2, 1998.

PROJECT COMPLETION

If awarded this contract, the undersigned bidder agrees to complete the work NO LATER THAN MARCH 15, 1998.

Plant Charge
155,585

Remediation Charges
40,617

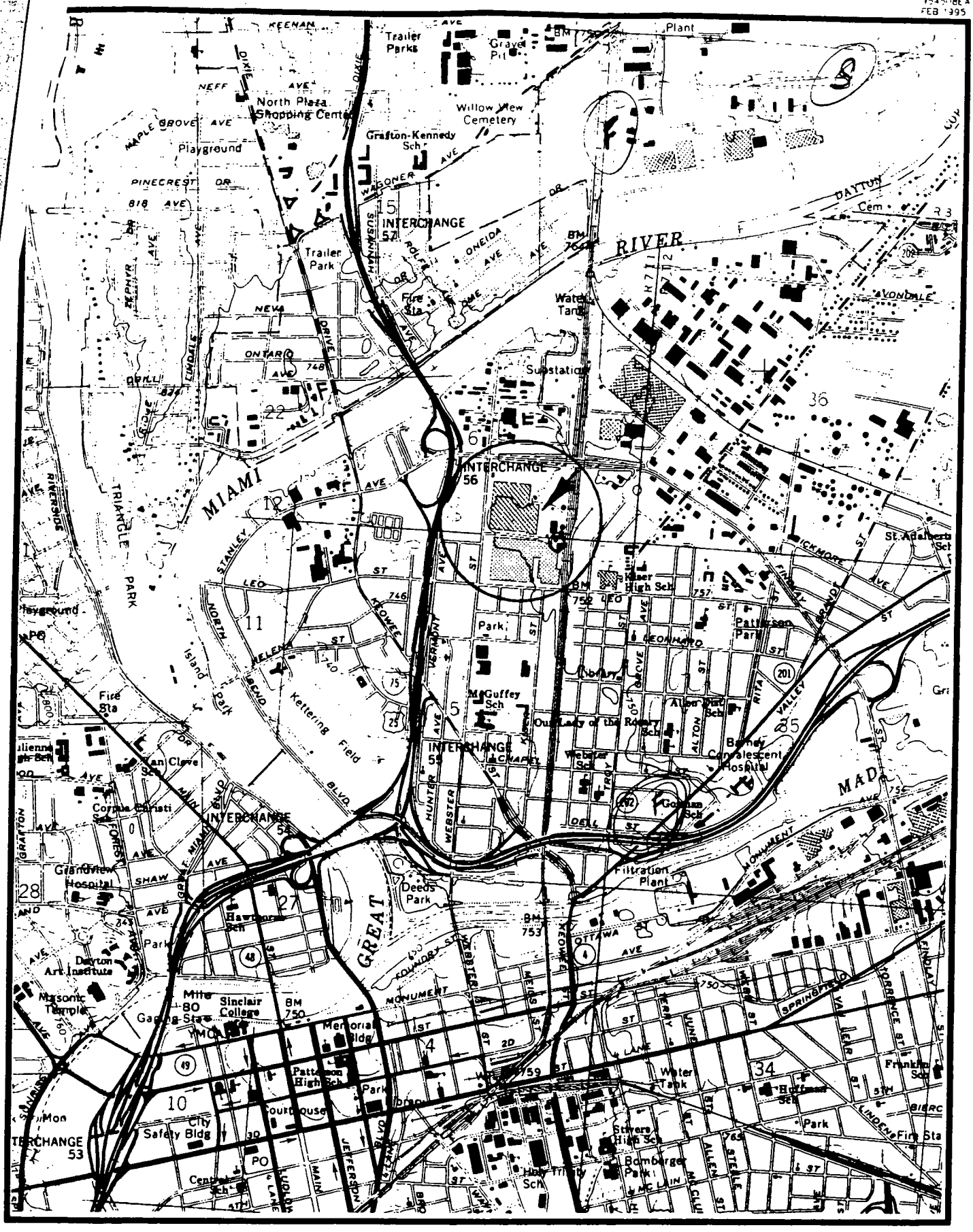
EST. #98-039.2

Mary
848 - 2485

937 - 222 - 2572
5143

848 - 2473 Dick

612 - 490 - 1405



TRIAD ENGINEERING INCORPORATED

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EXHIBIT A
DAYTON THERMAL PRODUCTS

DAYTON THERMAL PRODUCTS

Environmental Summary

The Dayton Thermal Products facility is located in a mixed industrial / residential area in Dayton, Ohio. The property was first developed in 1907 as an automobile manufacturing facility. Portions of the current plant site were used for manufacturing by Maxwell Motor Car Company, Incorporated as early as 1915. This site is located on approximately 60 acres and contains over 1.3 million square feet of building space. The subsurface generally consists of sand and gravel to a depth of approximately 85 feet and is underlain by stiff clay (till). Beneath the till is another sand and gravel aquifer.

Historical manufacturing processes at the plant utilized various chemicals and solvents. Previous construction / expansion required special handling of impacted soils removed from areas of excavation. Some soil and ground water issues have been identified and are being addressed.

The facility is considered a large quantity generator (LQG) and operates in compliance with applicable environmental regulations. An industrial waste water treatment facility is operated by the facility with discharges under permit to the City of Dayton sanitary sewer. Non-contact cooling water and storm water is discharged to the Great Miami River under an Ohio NPDES permit.

CONSTRUCTED ~~BUILT~~ IN 1967 AND UPGRADED IN 1988
9

TOD DAUGHRISCO
AT 2:50 PM 3-10-98

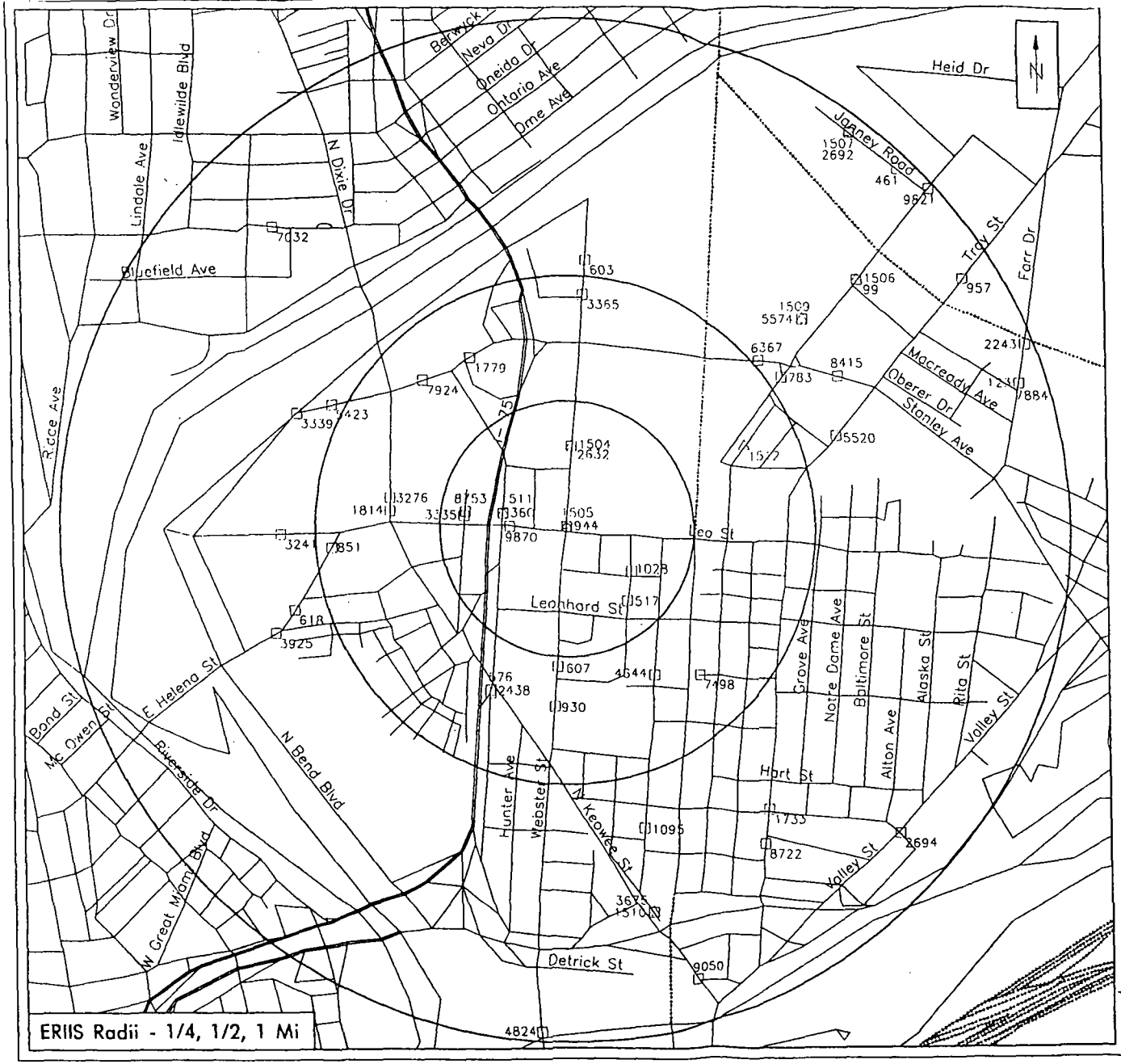
? DAYTON

- PCB TRANSFORMERS (2) IN POWERHOUSE BLDG
  PCB CAPACITORS
- ASBESTOS CONTAINING MATERIALS (ACM)
- LGG
- TANKS AT
  WWTP. YES PROCESS TANKS &
  MATERIAL TANKS

  UNLEADED GASOLINE TANKS ABOVE
  GROUND (5)

  ~~DIESEL~~ #2 FUEL OIL ABT (2)
  BLDG 47
  DIESEL FIVE AGT BLDG 39

  + OTHER TANKAGE



ERIIS

1421 Prince Street, Suite 230
Alexandria, VA 22314
(703)836-0402 (800)989-0402
FAX: (703)836-0468

SITE INFORMATION

1600 Webster Street
Dayton, OH
Montgomery County
Job Number: 17458A
Map Plotted: Nov 28, 1994

MAP LEGEND

- Hydrography
- Railroads
- Roads
- Highways
- TRI 8 Site(s)
- RCRIS_LG 11 Site(s)
- RCRIS_SG 36 Site(s)

Miles

0 0.25 0.5

The Information on this map is subject to the ERIIS Disclaimer
Copyright 1994 ERIIS, Inc.

EPA Region 5 Records Ctr.
350054

ERIS

PERTAINING TO:

1600 WEBSTER STREET
DAYTON, OH 45404

ON BEHALF OF:

Triad Engineering
4410 Exec Blvd.
Ft. Wayne, IN 46808

PREPARED ON: 11/28/1994

REPORT NUMBER: 17458A

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ERIIS REPORT OVERVIEW

The following features are available for an ERIIS report:

* Database Report
    * Statistical Profile
    * Database Records
* Related Maps
    * Digital Custom Plotted Map
    * Sanborn Fire Insurance Map(s)
    * Topographical Map(s)

Statistical Profile

The statistical profile is an at-a-glance numeric summary of the databases searched for your ERIIS Report.

Database Records

The detailed federal and state database information indicates potential and actual environmental threats within the study radius. These records are sorted by their distance from the study site.

Digital Custom Map

The digital custom map is cross referenced with the database records. The cross-in-circle in the center of the map represents the study site. The red circles represent distances from the study site. The plottable sites in the report are distinguished on the map by symbols of different shape and color.

Sanborn Fire Insurance Maps

The ERIIS collection of historical Sanborn Fire Insurance Maps covers 14,000 cities and towns. These maps may indicate prior use of the study site. If no maps are available for the study site, a notice to that effect is included. This notice should serve as evidence of due diligence.

Topographical Map

USGS topographical maps show natural and man-made features as well as the shape and elevation of the terrain. The 7.5 minute quad maps are produced at a scale of 1:24,000, or one inch represents 2,000 feet.

If you have any questions about this report,
please contact ERIIS Customer Service at 1-800-989-0402

ERIIS RADIUS STATISTICAL PROFILE
State: OH

ERIIS Report #17458A Nov 21, 1994

Site:
1600 WEBSTER STREET
DAYTON, OH 45404

Latitude: 39.782637
Longitude: -84.182268

Database	Radius (Mi)	Property	Property-1/4	1/4-1/2	1/2-1	>1	TOTAL
TRI	1	YES	3	1	4		8
RCRIS_LG	1	YES	2	3	6		11
RCRIS_SG	1	NO	6	9	21		36
			11	13	31	0	55

Selection of PROPERTY records requires an accurate street address in the ERIIS job order.

A blank radius count indicates that the database was not searched by this radius per client instructions.

NR in a radius count indicates that the database cannot be reported by this search criteria due to insufficient and/or inaccurate addresses reported by a federal/state agency.

TRI
e of Data: 12/31/1992
ase Date: 05/01/1994
Environmental Protection Agency
Office Of Pollution Prevention And Toxics
202/260-3757

Toxic Release Inventory System Of 1992

The TRI Report Contains Information On The Industrial Release And/Or Transfer Of Toxic Chemicals As Reportable Under Title III Of The Superfund Amendments And Reauthorization Act Of 1986 (SARA Title III).

RCRIS_LG
Date of Data: 03/01/1994
Release Date: 05/03/1994
US Environmental Protection Agency
Office Of Solid Waste And Emergency Response
202/260-2603

Resource Conservation And Recovery Information System - Large Quantity Generators

The RCRIS_LG Report Contains Information Pertaining To Facilities Which Either Generate More Than 1000kg Of Hazardous Waste Per Month Or Meet Other Applicable Requirements Of The Resource Conservation And Recovery Act. Information Pertaining To The Status Of Facilities Tracked By The RCRA Administrative Action Tracking System (RAATS 9/26/94) Is Included In The RCRIS_LG Report.
On Advice Of The US EPA, ERIIS Does Not Report So-Called "RCRA Protective Filers." Protective Filers Are Facilities That Have Completed RCRA Notification Paperwork, But Are Not, In Fact, Subject To RCRA Regulation. This Determination Is Made By The US EPA.

RCRIS_SG
Date of Data: 03/01/1994
Release Date: 05/03/1994
US Environmental Protection Agency
Office Of Solid Waste And Emergency Response
202/260-2603

Resource Conservation And Recovery Information System - Small Quantity Generators

The RCRIS_SG Report Contains Information Pertaining To Facilities Which Either Generate Between 100kg And 1000kg Of Hazardous Waste Per Month Or Meet Other Applicable Requirements Of The Resource Conservation And Recovery Act. Information Pertaining To The Status Of Facilities Tracked By The RCRA Administrative Action Tracking System (RAATS 9/26/94) Is Included In The RCRIS_SG Report.
On Advice Of The US EPA, ERIIS Does Not Report So-Called "RCRA Protective Filers." Protective Filers Are Facilities That Have Completed RCRA Notification Paperwork, But Are Not, In Fact, Subject To RCRA Regulation. This Determination Is Made By The US EPA.

ERIIS SUMMARY OF RADIUS SITES

ERIIS Report #17458A Nov 21, 1994

ERIIS ID.	FACILITY/ADDRESS	DATABASE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
,09001505	ACUSTAR DAYTON THERMAL 1600 WEBSTER ST DAYTON, OH 45404-1144 COUNTY: MONTGOMERY	TRI	0.000 Mi	SITE	1505
39007000944	ACUSTAR INC DAYTON THERMAL PRODUCT 1600 WEBSTER ST DAYTON, OH 45404-1144 COUNTY: MONTGOMERY	RCRIS_LG	0.000 Mi	SITE	944
39008009870	MAB PAINTS AND COATINGS 720 LEO ST DAYTON, OH 45404-1548 COUNTY: MONTGOMERY	RCRIS_SG	0.114 Mi	NORTHWEST	9870
39009001511	HOHMAN PLATING & MFG. INC 814 HILLROSE AVE DAYTON, OH 45404-1132 COUNTY: MONTGOMERY	TRI	0.129 Mi	NORTHWEST	1511
39007000360	HOHMAN PLATING AND MFG CO 814 HILLROSE AVE DAYTON, OH 45404-1132 COUNTY: MONTGOMERY	RCRIS_LG	0.129 Mi	NORTHWEST	360
39008001028	SHEFFIELD MACHINE TOOL CO 1506 MILBURN AVE DAYTON, OH 45404-1674 COUNTY: MONTGOMERY	RCRIS_SG	0.155 Mi	SOUTHEAST	1028
39009001504	BRAINERD IND. 1723 WEBSTER ST DAYTON, OH 45404-1136 COUNTY: MONTGOMERY	TRI	0.160 Mi	NORTHEAST	1504
39008002632	BRAINERD MFG CO INDUSTRIES DIV 1723 WEBSTER ST DAYTON, OH 45404-1128 COUNTY: MONTGOMERY	RCRIS_SG	0.160 Mi	NORTHEAST	2632
39008000517	W AND W MOLDED PLASTICS INC 1441 MILBURN AVE DAYTON, OH 45404-1675 COUNTY: MONTGOMERY	RCRIS_SG	0.189 Mi	SOUTHEAST	517
008008753	NICKELPARTS INC 836 HALL AVE DAYTON, OH 45404-1101 COUNTY: MONTGOMERY	RCRIS_SG	0.203 Mi	NORTHWEST	8753
39008003335	SPECIALTY SHEET METAL INC 821 HALL AVE DAYTON, OH 45404-1131 COUNTY: MONTGOMERY	RCRIS_SG	0.205 Mi	NORTHWEST	3335
39008000607	DAYTON MACHINE TOOL CO 1314 WEBSTER ST DAYTON, OH 45404-1568 COUNTY: MONTGOMERY	RCRIS_SG	0.277 Mi	SOUTHWEST	607
39008004644	DAYTON CITY OF 520 KISER ST DAYTON, OH 45404-1642 COUNTY: MONTGOMERY	RCRIS_SG	0.339 Mi	SOUTHEAST	4644
39007000930	ARATEX SERVICES INC 1200 WEBSTER ST DAYTON, OH 45404-1557 COUNTY: MONTGOMERY	RCRIS_LG	0.354 Mi	SOUTHWEST	930
39007001814	BP OIL CO 1401 N KEOWEE ST DAYTON, OH 45404-1102 COUNTY: MONTGOMERY	RCRIS_LG	0.355 Mi	NORTHWEST	1814
39008000576	ELECTRO POLISH CO INC 332 VERMONT AVE DAYTON, OH 45404-1597 COUNTY: MONTGOMERY	RCRIS_SG	0.355 Mi	SOUTHWEST	576
39008003276	GEM CITY SPECIAL MACHINE BLDER 1425 N KEOWEE ST DAYTON, OH 45404-1102 COUNTY: MONTGOMERY	RCRIS_SG	0.357 Mi	NORTHWEST	3276
39008002438	DJINNII INDUSTRIES 302 VERMONT AVE DAYTON, OH 45404-1524 COUNTY: MONTGOMERY	RCRIS_SG	0.361 Mi	SOUTHWEST	2438
,008001779	LABINAL COMPONENTS GLOBE MOTORS DIV 1784 STANLEY AVE DAYTON, OH 45404-1149 COUNTY: MONTGOMERY	RCRIS_SG	0.384 Mi	NORTHWEST	1779
39008007498	TAPE TECH INC 1 EDMUND ST DAYTON, OH 45404-1667 COUNTY: MONTGOMERY	RCRIS_SG	0.392 Mi	SOUTHEAST	7498

ERIIS Report #17458A Nov 21, 1994

ERIIS ID.	FACILITY/ADDRESS	DATABASE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
09001512	AMERICAN LUBRICANTS CO. 1227 DEEDS AVE DAYTON, OH 45404-1238 COUNTY: MONTGOMERY	TRI	0.394 Mi	NORTHEAST	1512
39008007924	5 STAR AUTO BODY 1747 STANLEY AVE DAYTON, OH 45404-1116 COUNTY: MONTGOMERY	RCRIS_SG	0.405 Mi	NORTHWEST	7924
39008003365	PRICE BROTHERS 1950 WEBSTER ST DAYTON, OH 45404-1124 COUNTY: MONTGOMERY	RCRIS_SG	0.460 Mi	NORTHEAST	3365
39007000851	DAYTON WATER SYSTEMS 1288 MCCOOK AVE DAYTON, OH 45404-1099 COUNTY: MONTGOMERY	RCRIS_LG	0.471 Mi	SOUTHWEST	851
39008006367	GLOBE MOTORS DIV OF LCS INC 2275 STANLEY AVE DAYTON, OH 45404-1226 COUNTY: MONTGOMERY	RCRIS_SG	0.510 Mi	NORTHEAST	6367
39008005423	PENSKE TRUCK LEASING CO LP 1601 STANLEY AVE DAYTON, OH 45404-1114 COUNTY: MONTGOMERY	RCRIS_SG	0.526 Mi	NORTHWEST	5423
39008000783	GEM CITY CHEMICALS INC 1287 AIR CITY AVE DAYTON, OH 45404-1203 COUNTY: MONTGOMERY	RCRIS_SG	0.527 Mi	NORTHEAST	783
39008000603	KIMES ROBERT H INC 2030 WEBSTER ST DAYTON, OH 45404-1125 COUNTY: MONTGOMERY	RCRIS_SG	0.529 Mi	NORTHEAST	603
39008000618	AGA GAS INC 1223 MCCOOK AVE DAYTON, OH 45404-1011 COUNTY: MONTGOMERY	RCRIS_SG	0.568 Mi	SOUTHWEST	618
08003241	SCOTT EQUIPMENT CO 272 LEO ST DAYTON, OH 45404-1006 COUNTY: MONTGOMERY	RCRIS_SG	0.572 Mi	SOUTHWEST	3241
39008005520	DAYTON PWR AND LIGHT N DAYTON SVC CTR 1317 TROY ST DAYTON, OH 45404-2724 COUNTY: MONTGOMERY	RCRIS_SG	0.575 Mi	NORTHEAST	5520
39008003339	GEM CITY STAMPINGS INC 1546 STANLEY AVE DAYTON, OH 45404-1113 COUNTY: MONTGOMERY	RCRIS_SG	0.581 Mi	NORTHWEST	3339
39007001095	DIAL MACHINE SERVICE CO INC 131 KISER ST DAYTON, OH 45404-1618 COUNTY: MONTGOMERY	RCRIS_LG	0.613 Mi	SOUTHEAST	1095
39008003925	ENTEC CORP 239 E HELENA ST DAYTON, OH 45404-1003 COUNTY: MONTGOMERY	RCRIS_SG	0.619 Mi	SOUTHWEST	3925
39008008415	VALLEY EQUIPMENT CO 2549 STANLEY AVE DAYTON, OH 45404-2743 COUNTY: MONTGOMERY	RCRIS_SG	0.625 Mi	NORTHEAST	8415
39008005574	DAYTON WIRE CO 7 DAYTON WIRE PKY DAYTON, OH 45404-1242 COUNTY: MONTGOMERY	RCRIS_SG	0.630 Mi	NORTHEAST	5574
39009001509	DAYTON WIRE CO. 7 DAYTON WIRE PKY DAYTON, OH 45404-1242 COUNTY: MONTGOMERY	TRI	0.630 Mi	NORTHEAST	1509
39007001733	EMRO STATION 1063 400 TROY ST DAYTON, OH 45404-1833 COUNTY: MONTGOMERY	RCRIS_LG	0.689 Mi	SOUTHEAST	1733
008008722	AMERICAN DRIVELINE AND CLUTCH 327 TROY ST DAYTON, OH 45404-1830 COUNTY: MONTGOMERY	RCRIS_SG	0.740 Mi	SOUTHEAST	8722
39007000099	DAYTON PHOENIX GROUP INC 1619 KUNTZ RD DAYTON, OH 45404-1240 COUNTY: MONTGOMERY	RCRIS_LG	0.765 Mi	NORTHEAST	99

ERIIS Report #17458A Nov 21, 1994

ERIIS ID.	FACILITY/ADDRESS	DATABASE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
9001506	DELCO CHASSIS 1619 KUNTZ RD DAYTON, OH 45404-1240 COUNTY: MONTGOMERY	TRI	0.765 Mi	NORTHEAST	1506
39008003675	PEPSI COLA OF DAYTON 526 MILBURN AVE DAYTON, OH 45404-1678 COUNTY: MONTGOMERY	RCRIS_SG	0.778 Mi	SOUTHEAST	3675
39009001510	PEPSI-COLA BOTTLING CO. 526 MILBURN AVE DAYTON, OH 45404-1678 COUNTY: MONTGOMERY	TRI	0.778 Mi	SOUTHEAST	1510
39008007032	ALPINE PRODUCTS MFG CO INC 2030 DRILL AVE DAYTON, OH 45414-5539 COUNTY: MONTGOMERY	RCRIS_SG	0.831 Mi	NORTHWEST	7032
39008002694	CHILDRENS MEDICAL CTR 1 CHILDRENS PLZ DAYTON, OH 45404-1815 COUNTY: MONTGOMERY	RCRIS_SG	0.901 Mi	SOUTHEAST	2694
39008009050	PLATT MFG INC 401 N KEOWEE ST DAYTON, OH 45404-1602 COUNTY: MONTGOMERY	RCRIS_SG	0.926 Mi	SOUTHEAST	9050
39008000957	WISE GARAGE INC 1845 TROY ST DAYTON, OH 45404-2156 COUNTY: MONTGOMERY	RCRIS_SG	0.939 Mi	NORTHEAST	957
39007000123	SUNMARK PETROLEUM MARKETING TERMINAL 1708 FARR DR DAYTON, OH 45404-2103 COUNTY: MONTGOMERY	RCRIS_LG	0.953 Mi	NORTHEAST	123
39008007884	UNITED LUBRICANTS CORP 1708 FARR DR B DAYTON, OH 45404 COUNTY: MONTGOMERY	RCRIS_SG	0.953 Mi	NORTHEAST	7884
9001507	DAP INC. 220 JANNEY RD DAYTON, OH 45404-1265 COUNTY: MONTGOMERY	TRI	0.971 Mi	NORTHEAST	1507
39008002692	ROBERTS CONSOLIDATED INDUSTRIES 220 JANNEY RD DAYTON, OH 45404-1298 COUNTY: MONTGOMERY	RCRIS_SG	0.971 Mi	NORTHEAST	2692
39007000461	CORDAGE PACKAGING 66 JANNEY RD DAYTON, OH 45404-1244 COUNTY: MONTGOMERY	RCRIS_LG	0.977 Mi	NORTHEAST	461
39007002243	UNO VEN CO DAYTON TERMINAL 1796 FARR DR DAYTON, OH 45404-2103 COUNTY: MONTGOMERY	RCRIS_LG	0.990 Mi	NORTHEAST	2243
39008009821	HYLAND MACHINE CO 1900 KUNTZ RD DAYTON, OH 45404-1251 COUNTY: MONTGOMERY	RCRIS_SG	0.993 Mi	NORTHEAST	9821
39008004824	DIGITRON DAYTON 500 WEBSTER ST DAYTON, OH 45404-1525 COUNTY: MONTGOMERY	RCRIS_SG	0.997 Mi	SOUTHWEST	4824

ERIIS ENVIRONMEN DATA REPORT
TOXIC RELEASE I ORY SYSTEM
(TRI - RAD. ITES)

ERIIS Report #17458A

Nov 21, 1994

ERIIS ID / EPA ID	FACILITY / FACILITY ID	ADDRESS	COUNTY	SIC CODE	CONTACT / PHONE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39009001505 / OHD074703547	ACUSTAR DAYTON THERMAL / 45404CSTRN1600W	1600 WEBSTER ST / DAYTON, OH 45404	MONTGOMERY	3355	LARRY E. WILLIAMS / (513) 224-2500	0.000 MILES	SITE	1505

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJEC	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
HYDROCHLORIC ACID	2000	6100	0	0	0	8100	0	0	0
LEAD	230	690	0	0	0	920	68	169277	169345
FREON 113	78000	0	0	0	0	78000	0	11130	11130
SULFURIC ACID	170	1500	0	0	0	1670	0	0	0
1,1,1-TRICHLOROETHANE	42000	130000	0	0	0	172000	0	27330	27330
DICHLOROMETHANE	13000	0	0	0	0	13000	0	0	0
ZINC COMPOUNDS	140	430	0	0	0	570	400	69490	69890
NITRIC ACID	120	1100	0	0	0	1220	0	0	0
GLYCOL ETHERS	7000	27000	0	0	0	34000	200	370	570

39009001511 / OHD004278362	HOHMAN PLATING & MFG. INC / 45404HHMNP814HI	814 HILLROSE AVE / DAYTON, OH 45404	MONTGOMERY	3471	WILLIAM T. MILLER / (513) 228-2191	0.129 MILES	NORTHWEST	1511

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
HYDROCHLORIC ACID	250	1200	0	0	0	1450	0	0	0
TRICHLOROETHYLENE	14000	0	0	0	0	14000	0	11880	11880
NITRIC ACID	0	1600	0	0	0	1600	0	0	0
CYANIDE COMPOUNDS	250	250	0	0	0	500	168	31	199
SULFURIC ACID	250	250	0	0	0	500	0	0	0
CHROMIUM COMPOUNDS	250	250	0	0	0	500	275	6750	7025
NICKEL COMPOUNDS	250	250	0	0	0	500	642	3900	4542

39009001504 / OHD068953645	BRAINERD IND. / 45404BRNRD1723W	1723 WEBSTER ST / DAYTON, OH 45404	MONTGOMERY	3446	EDWARD L. DUDON / (513) 228-0488	0.160 MILES	NORTHEAST	1504

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
FREON 113	0	13900	0	0	0	13900	0	1420	1420

39009001512 / OHD004244547	AMERICAN LUBRICANTS CO. / 45404MRCNL1227D	1227 DEEDS AVE / DAYTON, OH 45404	MONTGOMERY	2899	CONNIE M. MURPHY / (513) 222-2851	0.394 MILES	NORTHEAST	1512

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
ETHYLENE GLYCOL	0	0	0	0	0	0	0	0	0

39009001509 / OHD982619959	DAYTON WIRE CO. / 45404DYTNW7DAYT	7 DAYTON WIRE PKY / DAYTON, OH 45404	MONTGOMERY	3496	BRIAN SCHISSLER / (513) 236-8000	0.630 MILES	NORTHEAST	1509

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
DICHLOROMETHANE	16000	0	0	0	0	16000	0	9100	9100

39009001506 / OHD000817585	DELCO CHASSIS / 45404DLCCH1619K	1619 KUNTZ RD / DAYTON, OH 45404	MONTGOMERY	3621	JOHN W. MURPHY / (513) 496-3910	0.765 MILES	NORTHEAST	1506

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
GLYCOL ETHERS	250	11600	0	0	0	11850	0	0	0

ERIIS ENVIRONME[illegible]L DATA REPORT
TOXIC RELEASE I[illegible]TORY SYSTEM
(TRI - RAL[illegible] SITES)

ERIIS Report #17458A

Nov 21, 1994

ERIIS ID EPA ID	FACILITY FACILITY ID	ADDRESS	COUNTY	SIC CODE	CONTACT PHONE	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39009001510 OH0123387748	PEPSI-COLA BOTTLING CO. 45404GNRLC526MI	526 MILBURN AVE DAYTON, OH 45404	MONTGOMERY	2086	TOM OBRIEN (513) 226-4937	0.778 MILES	SOUTHEAST	1510

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
PHOSPHORIC ACID	0	0	0	0	0	0	0	0	0

39009001507 OHD071288039	DAP INC. 45404DPNC 220JA	220 JANNEY RD DAYTON, OH 45404	MONTGOMERY	2891	SUSAN SANDRO (513) 667-4461	0.971 MILES	NORTHEAST	1507

CHEMICAL	RELEASES (LBS.) FUGITIVE AIR	STACK AIR	WATER	UNDER INJECTION	LAND	TOTAL	TRANSFERS (LBS.) POTW	OFF-SITE	TOTAL
TOLUENE	211	660	0	0	0	871	0	1	1
ACETONE	750	1816	0	0	0	2566	0	0	0
DICHLOROMETHANE	250	750	0	0	0	1000	0	0	0
1,4-DIOXANE	250	250	0	0	0	500	0	0	0
CYCLOHEXANE	250	250	0	0	0	500	0	0	0
1,1,1-TRICHLOROETHANE	2233	8203	0	0	0	10436	0	1	1

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39007000944 OHD074703547 Y	ACUSTAR INC DAYTON THERMAL PRODUCT 0 0	1600 WEBSTER ST DAYTON, OH 45404-1144 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.000 MILES	SITE	944

REPORTED WASTE CODES
D000
D001
D002
F001
F002
F012
U075
U140
U219
U226

39007000360 OHD004278362 Y	HOHMAN PLATING AND MFG CO 0 0	814 HILLROSE AVE DAYTON, OH 45404-1132 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.129 MILES	NORTHWEST	360

REPORTED WASTE CODES
F001
F002
F006
F007
F008
F009
P029
P030
P074
P098
P099
P104
P106
P121
F001
F002
F006
F007
F008
F009
P029
P030
P074
P098
P099
P104
P106
P121

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39007000930 OHD072876279 Y	ARATEX SERVICES INC 0 0	1200 WEBSTER ST DAYTON, OH 45404-1557 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.354 MILES	SOUTHWEST	930

REPORTED WASTE CODES
D001
D003
D039

39007001814 OHD987014024 Y	BP OIL CO 0 0	1401 N KEOWEE ST DAYTON, OH 45404-1102 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.355 MILES	NORTHWEST	1814

REPORTED WASTE CODES
D001

39007000851 OHD061614673 N	DAYTON WATER SYSTEMS 0 0	1288 MCCOOK AVE DAYTON, OH 45404-1099 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.471 MILES	SOUTHWEST	851

FACILITY VIOLATIONS: GENERATOR REQUIREMENTS
REPORTED WASTE CODES
D000
D002
D006
D007
F006

39007001095 OHD093906055 Y	DIAL MACHINE SERVICE CO INC 0 0	131 KISER ST DAYTON, OH 45404-1618 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.613 MILES	SOUTHEAST	1095

REPORTED WASTE CODES
D001

39007001733 OHD987002938 Y	EMRO STATION 1063 0 0	400 TROY ST DAYTON, OH 45404-1833 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.689 MILES	SOUTHEAST	1733

REPORTED WASTE CODES
D000

39007000099 OHD000817585 Y	DAYTON PHOENIX GROUP INC 1 0	1619 KUNTZ RD DAYTON, OH 45404-1240 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.765 MILES	NORTHEAST	99

REPORTED WASTE CODES
D000
D001

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
REPORTED WASTE CODES D005 D007 D018 D035 D039 F003 F005 D001 D002 F001 F003 F007 F008 F009 F011						
39007000123 OHD001722263 Y	SUNMARK PETROLEUM MARKETING TERMINAL 0 0	1708 FARR DR DAYTON, OH 45404-2103 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.953 MILES	NORTHEAST	123
REPORTED WASTE CODES D000 D001						
39007000461 OHD004479291 Y	CORDAGE PACKAGING 0 0	66 JANNEY RD DAYTON, OH 45404-1244 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.977 MILES	NORTHEAST	461
REPORTED WASTE CODES D001 K086						
39007002243 OHT400010740 Y	UNO VEN CO DAYTON TERMINAL 0 0	1796 FARR DR DAYTON, OH 45404-2103 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.990 MILES	NORTHEAST	2243
REPORTED WASTE CODES D000 D001						

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAI
39008009870 OH0000107680 Y	MAB PAINTS AND COATINGS 0 0	720 LEO ST DAYTON, OH 45404-1548 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.114 MILES	NORTHWEST	98

REPORTED WASTE CODES
D001
F003

39008001028 OHD012183539 Y	SHEFFIELD MACHINE TOOL CO 0 0	1506 MILBURN AVE DAYTON, OH 45404-1674 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.155 MILES	SOUTHEAST	10:

REPORTED WASTE CODES
D001
F001
F003
F005

39008002632 OHD068953645 Y	BRAINERD MFG CO INDUSTRIES DIV 0 0	1723 WEBSTER ST DAYTON, OH 45404-1128 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.160 MILES	NORTHEAST	263

REPORTED WASTE CODES
D001
F005

39008000517 OHD004245098 Y	W AND W MOLDED PLASTICS INC 0 0	1441 MILBURN AVE DAYTON, OH 45404-1675 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.189 MILES	SOUTHEAST	517

REPORTED WASTE CODES

39008008753 OHD987037900 Y	NICKELPARTS INC 0 0	836 HALL AVE DAYTON, OH 45404-1101 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.203 MILES	NORTHWEST	8753

REPORTED WASTE CODES
D002
F003

39008003335 OHD097918395 Y	SPECIALTY SHEET METAL INC 0 0	821 HALL AVE DAYTON, OH 45404-1131 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.205 MILES	NORTHWEST	3335

REPORTED WASTE CODES
D001

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39008000607 OHD004277802 Y	DAYTON MACHINE TOOL CO 0 0	1314 WEBSTER ST DAYTON, OH 45404-1568 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.277 MILES	SOUTHWEST	607

REPORTED WASTE CODES
F001

39008004644 OHD981796964 Y	DAYTON CITY OF 0 0	520 KISER ST DAYTON, OH 45404-1642 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.339 MILES	SOUTHEAST	4644

REPORTED WASTE CODES
D000
D001
F003

39008000576 OHD004264198 Y	ELECTRO POLISH CO INC 0 0	332 VERMONT AVE DAYTON, OH 45404-1597 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.355 MILES	SOUTHWEST	576

REPORTED WASTE CODES
F001

39008003276 OHD095201513 Y	GEM CITY SPECIAL MACHINE BLDER 0 0	1425 N KEOWEE ST DAYTON, OH 45404-1102 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.357 MILES	NORTHWEST	3276

REPORTED WASTE CODES
D000
D001
F002

39008002438 OHD061709127 Y	DJINNII INDUSTRIES 0 0	302 VERMONT AVE DAYTON, OH 45404-1524 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.361 MILES	SOUTHWEST	2438

REPORTED WASTE CODES
D001
U002
U056
U057
U161
U220
U226
U227
U239

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP I
39008001779 OHD041066325 Y	LABINAL COMPONENTS GLOBE MOTORS DIV 0 0	1784 STANLEY AVE DAYTON, OH 45404-1149 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.384 MILES	NORTHWEST	1779

REPORTED WASTE CODES
D000
D001
D002
D003
F001
F002
F003
F005
F006
F007
F008
F009
F010

39008007498 OHD987011046 Y	TAPE TECH INC 0 0	1 EDMUND ST DAYTON, OH 45404-1667 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.392 MILES	SOUTHEAST	7498

REPORTED WASTE CODES

39008007924 OHD987020690 Y	5 STAR AUTO BODY 0 0	1747 STANLEY AVE DAYTON, OH 45404-1116 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.405 MILES	NORTHWEST	7924

REPORTED WASTE CODES
F003
F005

39008003365 OHD099019259 Y	PRICE BROTHERS 0 0	1950 WEBSTER ST DAYTON, OH 45404-1124 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.460 MILES	NORTHEAST	3365

REPORTED WASTE CODES
D001

39008006367 OHD986979144 Y	GLOBE MOTORS DIV OF LCS INC 0 0	2275 STANLEY AVE DAYTON, OH 45404-1226 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.510 MILES	NORTHEAST	6367

REPORTED WASTE CODES
D001
D002
D003
D006

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP II
REPORTED WASTE CODES D007 D011						
39008005423 OHD982611592 Y	PENSKE TRUCK LEASING CO LP 0 0	1601 STANLEY AVE DAYTON, OH 45404-1114 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.526 MILES	NORTHWEST	5423
REPORTED WASTE CODES D001						
39008000783 OHD004472940 Y	GEM CITY CHEMICALS INC 0 0	1287 AIR CITY AVE DAYTON, OH 45404-1203 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.527 MILES	NORTHEAST	783
REPORTED WASTE CODES D001 D002 F001 F002 F003 F005 U002 U080 U140 U154 U159 U161 U210 U220 U226 U228 U239						
39008000603 OHD004277240 Y	KIMES ROBERT H INC 0 0	2030 WEBSTER ST DAYTON, OH 45404-1125 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.529 MILES	NORTHEAST	603
REPORTED WASTE CODES F002 F003 F005						
39008000618 OHD004279774 Y	AGA GAS INC 0 0	1223 MCCOOK AVE DAYTON, OH 45404-1011 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.568 MILES	SOUTHWEST	618
REPORTED WASTE CODES F001						

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP I
39008003241 OHD093942001 Y	SCOTT EQUIPMENT CO 0 0	272 LEO ST DAYTON, OH 45404-1006 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.572 MILES	SOUTHWEST	324

REPORTED WASTE CODES
D000
D001
F002
F004

39008005520 OHD982617003 Y	DAYTON PWR AND LIGHT N DAYTON SVC CTR 0 0	1317 TROY ST DAYTON, OH 45404-2724 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.575 MILES	NORTHEAST	552(

REPORTED WASTE CODES
D000
D001
D002
F001
F003

39008003339 OHD097922520 Y	GEM CITY STAMPINGS INC 0 0	1546 STANLEY AVE DAYTON, OH 45404-1113 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.581 MILES	NORTHWEST	333

REPORTED WASTE CODES
D000
D001
F002

39008003925 OHD161890967 Y	ENTEC CORP 0 0	239 E HELENA ST DAYTON, OH 45404-1003 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.619 MILES	SOUTHWEST	392

REPORTED WASTE CODES
D001
F003
F005

39008008415 OHD987032372 Y	VALLEY EQUIPMENT CO 0 0	2549 STANLEY AVE DAYTON, OH 45404-2743 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.625 MILES	NORTHEAST	8415

REPORTED WASTE CODES
D001
D018
D039

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39008005574 OHD982619959 Y	DAYTON WIRE CO 0 0	7 DAYTON WIRE PKY DAYTON, OH 45404-1242 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.630 MILES	NORTHEAST	5574

REPORTED WASTE CODES
D001
F001
F002
F003
F005

39008008722 OHD987037389 Y	AMERICAN DRIVELINE AND CLUTCH 0 0	327 TROY ST DAYTON, OH 45404-1830 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.740 MILES	SOUTHEAST	8722

REPORTED WASTE CODES
D001
D018
D039

39008003675 OHD123387748 Y	PEPSI COLA OF DAYTON 0 0	526 MILBURN AVE DAYTON, OH 45404-1678 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.778 MILES	SOUTHEAST	3675

REPORTED WASTE CODES
D001
F002
F003
F005

39008007032 OHD987002045 Y	ALPINE PRODUCTS MFG CO INC 0 0	2030 DRILL AVE DAYTON, OH 45414-5539 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.831 MILES	NORTHWEST	7032

REPORTED WASTE CODES
D001
D035
F003
F005

39008002694 OHD071289326 Y	CHILDRENS MEDICAL CTR 0 0	1 CHILDRENS PLZ DAYTON, OH 45404-1815 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.901 MILES	SOUTHEAST	2694

REPORTED WASTE CODES
D000
D001
D002
F003

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
REPORTED WASTE CODES U002 U003 U021 U044 U112 U154 U239						
39008009050 OHD987047099 Y	PLATT MFG INC 0 0	401 N KEOWEE ST DAYTON, OH 45404-1602 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.926 MILES	SOUTHEAST	9050
REPORTED WASTE CODES D001 F001 F002 F003 F005						
39008000957 OHD007868748 Y	WISE GARAGE INC 0 0	1845 TROY ST DAYTON, OH 45404-2156 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.939 MILES	NORTHEAST	957
REPORTED WASTE CODES D000 D001						
39008007884 OHD987019114 Y	UNITED LUBRICANTS CORP 0 0	1708 FARR DR B DAYTON, OH 45404 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.953 MILES	NORTHEAST	7884
REPORTED WASTE CODES U052						
39008002692 OHD071288039 Y	ROBERTS CONSOLIDATED INDUSTRIES 0 0	220 JANNEY RD DAYTON, OH 45404-1298 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.971 MILES	NORTHEAST	2692
REPORTED WASTE CODES U002 U159 U220 U226 U002 U159 U220 U226						

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP II
39008009821 OHD000072348 Y	HYLAND MACHINE CO 0 0	1900 KUNTZ RD DAYTON, OH 45404-1251 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.993 MILES	NORTHEAST	9821

REPORTED WASTE CODES
D001

39008004824 OHD981955776 Y	DIGITRON DAYTON 0 0	500 WEBSTER ST DAYTON, OH 45404-1525 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS	0.997 MILES	SOUTHWEST	4824

REPORTED WASTE CODES
D001
D002

Secondary Search Sites

The remaining report pages list additional environmental sites that have been selected based on geographic criteria unique to your study site. They are classified as "secondary search sites" and require further investigation to assess their potential impact on your site.

How to Evaluate Secondary Search Sites

Step 1
Streets Within the Radius: the following page is an alphabetical index of all streets that intersect or are contained within the largest study radius (usually one mile).

Step 2
Cross-Reference: use the "Streets Within the Radius" index to cross-reference the secondary search sites. For example, if Maple Avenue and Oak Avenue are listed in the street index, then any secondary search sites with a Maple Avenue or Oak Avenue address should be checked for possible impact on study site.

Questions on ERIIS' Proprietary Geocoding?

We're happy to answer any questions you might have about our data processing and **point-geocoding** (assigning a latitude and longitude to each address). Just give us a call on our toll-free number at (800) 989-0402 and let us know what state you're calling from. Our customer service staff is available from 8 a.m. to 8 p.m. (EST).

The ASTM Standard Practice For Environmental Site Assessments

As stated in the recently published **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process** (E1527) by the American Society for Testing and Materials (ASTM):

> "For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not practically reviewable unless they can be obtained from the source agency in the smaller geographic area of ZIP code (3.3.24)."

Therefore, this Report contains information available by latitude/longitude or by ZIP code. If your research requires environmental records for which only city or county information is available (i.e., no valid street or ZIP code) ERIIS will include this data at no extra charge.

STREET NAME

Air St
Air City Ave
Akron Pl
Alaska St
Alden St
Alliance Pl
Alton Ave
B and O Railroad
Baltimore St
Bannock St
Barling Ave
Belfonte Ave
Bellefontaine Ave
N Bend Blvd
Berea Pl
Berwyck Ave
Bexley Pl
Bickmore Ave
Bimm Lane
Bluefield Ave
Brandt St
Brennan Dr
Brighton Ave
Broom Lane
Broxey Ave
Canton Pl
Chapel St
Creston Ave
Daniel St
Deeds Ave
Dell St
Detrick St
N Dixie Dr
Dodgson Ct
Drill Ave
Earl Ave
Edgeworth Ave
Edmund St
Elkhart Ave
Embury Park Road
Ewing St
Fairfield Ave
Farr Dr
Gerhard St
Giles St
Grant St
E Great Miami Blvd
Grove Ave
Gruner Ave
Hall Ave
Harker St
Hart St
Hasenstab St
Hays St
E Helena St
Herbert St
Herman Ave
E Herman Ave
Herron Circle Trailer Ct
Hershey St
Hiawatha Dr
Hillrose Ave
Hunter Ave
I 75 RAMP
I- 75
Idlewilde Blvd
Janney Road
Kearns Ave
Keifer St
Kelly Ave
Kent Pl
N Keowee St
Kiser St
Kuntz Road
La Crosse Ave
Lamar St
Lancaster Pl
Lawn St
Leo St
Leonhard St
Light St
Lillian Ave
Lima Pl
Lindale Ave
Lindorph Dr
Lockland Pl
Locust St
Lodge Ave
Lucille Dr
Mack Ave
Macready Ave
Madeira Ave
Mansfield Pl
Marietta St
Maryland Ave
Mc Cook Ave
Mc Owen St
Mel St
Melberth Road
Milburn Ave
Naas Pl

STREET NAME
Neva Dr
Newark Pl
Niles Pl
Notre Dame Ave
Oberer Dr
Ohio St
Ome Ave
Oneida Dr
Ontario Ave
Parma Pl
Pennsylvania Ave
Pioneer St
Protzman Ave
Ray St
Rita St
Ritchie St
Riverside Dr
Rolfe Ave
Schaffer St
Scranton St
E Shaw Ave
Stanley Ave
Stanley Av Ramp
Stapleton Ct
State Hwy 4 Ramp
State Hwy 4 69 Ramp
E State Hwy 4 69 Ramp Ave
S State Hwy 4 69 Ramp
State Hwy 4 and 69
Stegman Ave
Susannah Ave
Taylor St
Tiffin Pl
Triangle View Dr
Troy St
Valley St
Van Wert Pl
Vermont Ave
Vincent St
Walters St
Wampum Pl
Warner Ave
Webster St
Willow St
Windham St

ERIIS SUMMARY OF SECONDARY SEARCH SITES
(Facilities sorted alphabetically within ZIP Code)

RIIS Report #17458A Nov 21, 1994

E D.	FACILITY/STREET	CITY/STATE/ZIP/COUNTY	DATABASE
39007000928	ANGELL MANUFACTURING CO 1516 THRU 1520 STANLEY AVE	DAYTON, OH 45404 COUNTY: MONTGOMERY	RCRIS_LG
39008007365	CHROMEPARTS INC 828 THRU 836 HALL AVE	DAYTON, OH 45404 COUNTY: MONTGOMERY	RCRIS_SG
39008005321	ORBIT MOVERS 1101 NEGGLEY PLACE AVE	DAYTON, OH 45404 COUNTY: MONTGOMERY	RCRIS_SG

ERIIS ENVIRONME DATA REPORT
RESOURCE CONSERVATION ANI OVERY INFORMATION SYSTEM
(RCRIS - LARGE QUA..ITY GENERATORS)

ERIIS Report #17458A

Nov 21, 199

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES
39007000928 OHD072873664 Y	ANGELL MANUFACTURING CO 0 0	1516 THRU 1520 STANLEY AVE DAYTON, OH 45404 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS

REPORTED WASTE CODES

D000
D001
F003
F005
U002
U056
U140
U159
U161
U220
U239

ERIIS ID EPA ID RCRA COMPLIANT	FACILITY TOTAL NUMBER OF CORRECTIVE ACTIONS NUMBER OF HIGH PRIORITY NCAPS	ADDRESS	RAATS ISSUE DATE RAATS ACTION/STATUS RAATS PENALTIES
39008005321 OHD982606220 Y	ORBIT MOVERS 0 0	1101 NEGGLEY PLACE AVE DAYTON, OH 45404 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS

REPORTED WASTE CODES
D001

39008007365 OHD987007713 Y	CHROMEPARTS INC 0 0	828 THRU 836 HALL AVE DAYTON, OH 45404 COUNTY: MONTGOMERY	FACILITY NOT REPORTED IN RAATS

REPORTED WASTE CODES
D006
F003

CHRYSLER
CORPORATION

EPA Region 5 Records Ctr.
350055

From the Desk of .....

J. A. Carlson

October 24, 1997

To: Ron Boltz

Re: Dayton Thermal Products
Subsurface Issues

Observations during past construction projects in the area of Building 59 have raised potential concerns regarding soil and groundwater impacts. Investigations indicate chlorinated solvents are present in the soil and groundwater, possibly from historic use of solvent degreasers at the plant.

The facility is located in an industrial area, which has a history of regional groundwater problems. Sampling along our property line indicates chlorinated solvent impacts however; the origin and geographic distribution of the impacts have not been established.

An upcoming plant construction project requires excavation and removal of soil from within Building 40-B, which at one time contained large solvent cleaning tanks and is located in the immediate area where the environmental impacts have been observed. Removal of soil from inside the plant and may require special controls. Prior to construction an investigation will be conducted to determine soil management procedures. This investigation will also further define the geographic distribution on our property and allow for estimation of our remediation liability. Our schedule calls for investigation activities during the 4th quarter of 1997 at a cost of $150,000. .The current reserve for Dayton is limited to $ 240,000 for additional investigation only. Potential liability for remediation has not been defined and remediation reserves have not been established.

It is expected that potential soil and groundwater involvement will become a significant consideration in our ongoing discussions regarding Dayton Thermal Products.

c: Lynn Buhl
Dave Carlson
Greg Rose

EPA Region 5 Records Ctr.
350056

Quanterra Incorporated
4101 Shuffel Drive, NW
North Canton, Ohio 44720

330 497-9396 Telephone
330 497-0772 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. YGQP9800203-T

DAYTON THERMAL

Lot #: A8A230102

Cathy Dover

CompuChem Environmental

QUANTERRA INCORPORATED

Jeffrey O. Smith
Project Manager

February 4, 1998

CASE NARRATIVE

The following report contains the analytical results for fourteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 22, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Samples were received at the laboratory at a temperature of 1.7° C.

One 40ml Volatile vial for samples MW-18S and Trip Blank were received with headspace.

GC/MS VOLATILES

The pH of samples MW-20S, PZ-20D and MW-18S were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

ANALYTICAL METHODS SUMMARY

A8A230102

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8A230102

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CF2A5	001	MWB-1	01/20/98	10:55
CF2AF	002	MWC-1	01/20/98	11:10
CF2AH	003	PZ-22I	01/20/98	13:15
CF2AJ	004	MWB-4	01/20/98	14:10
CF2AK	005	PZ-21I	01/20/98	14:15
CF2AL	006	MW-19S	01/20/98	14:50
CF2AM	007	PZ-19I	01/20/98	15:27
CF2AN	008	MW-20S	01/20/98	16:10
CF2AP	009	PZ-20D	01/20/98	16:15
CF2AQ	010	MWC-2	01/20/98	17:15
CF2AR	011	PZ-19IDUP	01/20/98	15:27
CF2AT	012	MWB-2	01/20/98	17:39
CF2AV	013	MW-18S	01/20/98	17:55
CF2AW	014	TRIP BLANK	01/20/98	00:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-1

GC/MS Volatiles

Lot-Sample #...: A8A230102-001 **Work Order #...:** CF2A5101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 10:55 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**190**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	**31**	**10**	**ug/L**	**SW846 8260A**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWC-1

GC/MS Volatiles

Lot-Sample #...: A8A230102-002 **Work Order #...:** CF2AF101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 11:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**49**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	**1.2**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-22I

GC/MS Volatiles

Lot-Sample #...: A8A230102-003 **Work Order #...:** CF2AH101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 13:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**1.0**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**17**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-4

GC/MS Volatiles

Lot-Sample #...: A8A230102-004 **Work Order #...:** CF2AJ101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 14:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**6.2**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-21I

GC/MS Volatiles

Lot-Sample #...: A8A230102-005 **Work Order #...:** CF2AK101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 14:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**3.4**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**7.5**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-19S

GC/MS Volatiles

Lot-Sample #...: A8A230102-006 **Work Order #...:** CF2AL101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 14:50 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	98	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-19I

GC/MS Volatiles

Lot-Sample #...: A8A230102-007 **Work Order #...:** CF2AM101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 15:27 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**5.6**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**3.7**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-20S

GC/MS Volatiles

Lot-Sample #...: A8A230102-008 **Work Order #...:** CF2AN101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 16:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	**2.2**	**1.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**5.6**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-20D

GC/MS Volatiles

Lot-Sample #...: A8A230102-009 **Work Order #...:** CF2AP101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 16:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**1.8**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWC-2

GC/MS Volatiles

Lot-Sample #...: A8A230102-010 **Work Order #...:** CF2AQ101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 17:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**6.7**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-19IDUP

GC/MS Volatiles

Lot-Sample #...: A8A230102-011 **Work Order #...:** CF2AR101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 15:27 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**5.1**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**3.4**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-2

GC/MS Volatiles

Lot-Sample #...: A8A230102-012 **Work Order #...:** CF2AT101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 17:39 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	**1.1**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	97	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-18S

GC/MS Volatiles

Lot-Sample #...: A8A230102-013 **Work Order #...:** CF2AV101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 17:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	67	ug/L	SW846 8260A
Bromomethane	ND	67	ug/L	SW846 8260A
Vinyl chloride	ND	33	ug/L	SW846 8260A
Chloroethane	ND	67	ug/L	SW846 8260A
Methylene chloride	ND	33	ug/L	SW846 8260A
Acetone	ND	330	ug/L	SW846 8260A
Carbon disulfide	ND	33	ug/L	SW846 8260A
1,1-Dichloroethene	ND	33	ug/L	SW846 8260A
1,1-Dichloroethane	ND	33	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**140**	**33**	**ug/L**	**SW846 8260A**
Chloroform	ND	33	ug/L	SW846 8260A
1,2-Dichloroethane	ND	33	ug/L	SW846 8260A
2-Butanone	ND	330	ug/L	SW846 8260A
1,1,1-Trichloroethane	**160**	**33**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	33	ug/L	SW846 8260A
Bromodichloromethane	ND	33	ug/L	SW846 8260A
1,2-Dichloropropane	ND	33	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Trichloroethene	**72**	**33**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	33	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	33	ug/L	SW846 8260A
Benzene	ND	33	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Bromoform	ND	33	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	330	ug/L	SW846 8260A
2-Hexanone	ND	330	ug/L	SW846 8260A
Tetrachloroethene	**700**	**33**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	33	ug/L	SW846 8260A
Toluene	ND	33	ug/L	SW846 8260A
Chlorobenzene	ND	33	ug/L	SW846 8260A
Ethylbenzene	ND	33	ug/L	SW846 8260A
Styrene	ND	33	ug/L	SW846 8260A
Xylenes (total)	ND	33	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230102-014 **Work Order #...:** CF2AW101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 00:00 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

QUALITY CONTROL SECTION

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

Quanterra® Incorporated conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. Quanterra requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). Failure of the RPDs to fall within the laboratory-generated acceptance windows requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the MS/MSD RPDs are within acceptance criteria, the batch is acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

** for analyses run on TJA Trace ICP or GFAA only*

METHOD BLANK (continued)

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. The listed metals may be present in concentrations up to 2 times the reporting limit or must be twenty fold less than the results of the environmental samples. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. When these values fail to meet acceptance criteria, the data is reviewed to determine the cause. If, in the analyst's judgment, sample matrix effects are indicated, no corrective action is performed. Otherwise, the MS/MSD and the environmental sample used to prepare them are reprepared and reanalyzed.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

The acceptance criteria do not apply to samples that are diluted. If the dilution is more than 5X, the recoveries will be reported as diluted out. All other surrogate recoveries will be reported. If the LCS, LCSD, or the Method Blank surrogates fail to meet recovery criteria (exception for dilutions), the entire batch of samples is reprepared and reanalyzed.

If the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch may be acceptable based on the analyst's judgment that sample matrix effects are indicated.

For the GC/MS BNA methods, the surrogate criteria is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, TPH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3HN102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A260000-197
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	94	(87 - 113)	SW846 8260A
Trichloroethene	95	(89 - 115)	SW846 8260A
Chlorobenzene	100	(89 - 119)	SW846 8260A
Toluene	100	(81 - 117)	SW846 8260A
Benzene	97	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	102	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3N9102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-126
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	95	(87 - 113)	SW846 8260A
Trichloroethene	100	(89 - 115)	SW846 8260A
Chlorobenzene	101	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	103	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF457102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A280000-118
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	97	(87 - 113)	SW846 8260A
Trichloroethene	103	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	101	(81 - 117)	SW846 8260A
Benzene	102	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3HN101 **Matrix.....:** WATER
MB Lot-Sample #: A8A260000-197

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	99	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3N9101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-126

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	106	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF457101 **Matrix.....:** WATER
MB Lot-Sample #: A8A280000-118

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8028118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF19R107-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A210132-002 CF19R108-MSD
Date Sampled...: 01/20/98 13:00 **Date Received..:** 01/21/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 16.66

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	91	(75 - 113)			SW846 8260A
	92	(75 - 113)	1.3	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	100	(71 - 110)	1.1	(0-22)	SW846 8260A
Chlorobenzene	100	(81 - 115)			SW846 8260A
	98	(81 - 115)	2.7	(0-18)	SW846 8260A
Toluene	98	(78 - 126)			SW846 8260A
	92	(78 - 126)	4.7	(0-24)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	97	(78 - 117)	1.9	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(87 - 114)
	93	(87 - 114)
1,2-Dichloroethane-d4	105	(69 - 127)
	105	(69 - 127)
Toluene-d8	96	(90 - 112)
	95	(90 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF2AJ102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230102-004 CF2AJ103-MSD
Date Sampled...: 01/20/98 14:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	87	(75 - 113)			SW846 8260A
	98	(75 - 113)	12	(0-20)	SW846 8260A
Trichloroethene	96	(71 - 110)			SW846 8260A
	108	(71 - 110)	7.6	(0-22)	SW846 8260A
Benzene	93	(78 - 117)			SW846 8260A
	103	(78 - 117)	11	(0-17)	SW846 8260A
Toluene	87	(78 - 126)			SW846 8260A
	97	(78 - 126)	11	(0-24)	SW846 8260A
Chlorobenzene	91	(81 - 115)			SW846 8260A
	101	(81 - 115)	10	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	108	(69 - 127)
Toluene-d8	92	(90 - 112)
	93	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF2D3102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-014 CF2D3103-MSD
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(75 - 113)			SW846 8260A
	94	(75 - 113)	6.6	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	100	(71 - 110)	6.1	(0-22)	SW846 8260A
Chlorobenzene	87	(81 - 115)			SW846 8260A
	94	(81 - 115)	7.2	(0-18)	SW846 8260A
Toluene	83	(78 - 126)			SW846 8260A
	89	(78 - 126)	7.4	(0-24)	SW846 8260A
Benzene	89	(78 - 117)			SW846 8260A
	97	(78 - 117)	9.0	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	109	(69 - 127)
Toluene-d8	93	(90 - 112)
	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)
	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CHRYSLER CORPORATION

Chain-of-Custody

00585 A

CompuChem
501 Madison Avenue
Cary, NC 27513
Phone Number: 1-800-833-5097
Fax Number: (919) 379-4050

Project Name: Dayton Thermal (3Chry4/Dayton)
Site Location: Dayton, Ohio
Site Code: SC001
RFA Number: YGQP9800203-T
Chrysler PM: GARY STANCZUK

Consultant: Leggette, Brashears & Graham
Address: 1210 West County Rd E, Ste 700
St. Paul, MN 55112
Consultant PM: Ken Vogel
Phone: 612-490-1405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 - 40ml glass - HCl									Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
MWB-1	1/20/98	10:55	G	GW	3	X													
MWC-1	↓	11:10	G	GW	3	X													
PZ-22I		13:15	G	GW	3	X													
MWB-4		14:10	G	GW	3	X													
PZ-21I		14:15	G	GW	3	X													
MW-19S		14:50	G	GW	2	X													
PZ-19I		15:27	G	GW	3	X													
MW-20S		16:10	G	GW	3	X													
PZ-20D		16:15	G	GW	3	X													
MWC-2	↓	17:15	G	GW	3	X													

Sampler(s)
Chris Hoffman
Mark Hemstreet
Dave Strand

Cooler ID # Q21934

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051086

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark R. Hemstreet	1/21/98	17:55				Yes No
						Yes No
			Received for Laboratory by: Tami Stephens	1-22-98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SDG - 203A IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No. 1
Created: September 23, 1997

CHRYSLER CORPORATION

Chain-of-Custody

00586 A

CompuChem
501 Madison Avenue
Cary, NC 27513
Phone Number: 1-800-833-5097
Fax Number: (919) 379-4050

Project Name: Dayton Thermal (3Cnry4/Dayton)
Site Location: Dayton, Ohio
Site Code: SC001
RFA Number: YGQP9800203-T
Chrysler PM: GARY STANCZUK

Consultant: Leggette, Brashears & Graham
Address: 1210 West County Rd E, Ste 700
St. Paul MN 55112
Consultant PM: Ken Vogel
Phone: 612-490-4405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify) Lab Purge water

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC8260 - 40ml glass - HCL	Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
PZ-19I DUP	1/20/98	15:27	G	GW	3	X					
MWB-2	↓	17:39	G	GW	3	X					
MW-18S	↓	17:55	G	GW	3	X					
TRIP BLANK			G	O	3						
			G		3						
			G		3						
			G		3						
			G		3						
			G		3						
			G		3						

Sampler(s)
Chris Hoffman
Mark Hemstreet
Dave Strand

Cooler ID # Q21934

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051086

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark P. Hemstreet	1/21/98	17:55				Yes No
						Yes No
			Received for Laboratory by: Jami Stephens	1-22-98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SOG 203A IS COMPLETE. PROCEED WITH ANALYSIS.

EPA Region 5 Records Ctr.
350057

Quanterra
Environmental Services

Quanterra Incorporated
4101 Shuffel Drive, NW
North Canton, Ohio 44720

330 497-9396 Telephone
330 497-0772 Fax

ANALYTICAL REPORT

PROJECT NO. YGQP9800203-T

DAYTON THERMAL

Lot #: A8A230102

Cathy Dover

CompuChem Environmental

QUANTERRA INCORPORATED

Jeffrey C. Smith
Project Manager

February 4, 1998

CASE NARRATIVE

The following report contains the analytical results for fourteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 22, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Samples were received at the laboratory at a temperature of 1.7° C.

One 40ml Volatile vial for samples MW-18S and Trip Blank were received with headspace.

GC/MS VOLATILES

The pH of samples MW-20S, PZ-20D and MW-18S were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

ANALYTICAL METHODS SUMMARY

A8A230102

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

CASE NARRATIVE

The following report contains the analytical results for fourteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 22, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

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GC/MS VOLATILES

The pH of samples MW-20S, PZ-20D and MW-18S were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

SAMPLE SUMMARY

A8A230102

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CF2A5	001	MWB-1	01/20/98	10:55
CF2AF	002	MWC-1	01/20/98	11:10
CF2AH	003	PZ-22I	01/20/98	13:15
CF2AJ	004	MWB-4	01/20/98	14:10
CF2AK	005	PZ-21I	01/20/98	14:15
CF2AL	006	MW-19S	01/20/98	14:50
CF2AM	007	PZ-19I	01/20/98	15:27
CF2AN	008	MW-20S	01/20/98	16:10
CF2AP	009	PZ-20D	01/20/98	16:15
CF2AQ	010	MWC-2	01/20/98	17:15
CF2AR	011	PZ-19IDUP	01/20/98	15:27
CF2AT	012	MWB-2	01/20/98	17:39
CF2AV	013	MW-18S	01/20/98	17:55
CF2AW	014	TRIP BLANK	01/20/98	00:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-1

GC/MS Volatiles

Lot-Sample #...: A8A230102-001 **Work Order #...:** CF2A5101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 10:55 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**190**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	**31**	**10**	**ug/L**	**SW846 8260A**
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWC-1

GC/MS Volatiles

Lot-Sample #...: A8A230102-002 **Work Order #...:** CF2AF101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 11:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	**49**	**10**	**ug/L**	**SW846 8260A**
Carbon disulfide	**1.2**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-22I

***GC/MS* Volatiles**

Lot-Sample #...: A8A230102-003 **Work Order #...:** CF2AH101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 13:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**1.0**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**17**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-4

GC/MS Volatiles

Lot-Sample #...: A8A230102-004 **Work Order #...:** CF2AJ101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 14:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**6.2**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-21I

GC/MS Volatiles

Lot-Sample #...: A8A230102-005 **Work Order #...:** CF2AK101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 14:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**3.4**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**7.5**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-19S

GC/MS Volatiles

Lot-Sample #...: A8A230102-006 **Work Order #...:** CF2AL101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 14:50 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	98	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-19I

GC/MS Volatiles

Lot-Sample #...: A8A230102-007 **Work Order #...:** CF2AM101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 15:27 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**5.6**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**3.7**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-20S

GC/MS Volatiles

Lot-Sample #...: A8A230102-008 **Work Order #...:** CF2AN101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 16:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	**2.2**	**1.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**5.6**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-20D

GC/MS Volatiles

Lot-Sample #...: A8A230102-009 **Work Order #...:** CF2AP101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 16:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**1.8**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	114	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWC-2

GC/MS Volatiles

Lot-Sample #...: A8A230102-010 **Work Order #...:** CF2AQ101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 17:15 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	**6.7**	**1.0**	**ug/L**	**SW846 8260A**
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-19IDUP

GC/MS Volatiles

Lot-Sample #...: A8A230102-011 **Work Order #...:** CF2AR101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 15:27 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**5.1**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**3.4**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-2

GC/MS Volatiles

Lot-Sample #...: A8A230102-012 **Work Order #...:** CF2AT101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 17:39 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	**1.1**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	97	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-18S

GC/MS Volatiles

Lot-Sample #...: A8A230102-013 **Work Order #...:** CF2AV101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 17:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	67	ug/L	SW846 8260A
Bromomethane	ND	67	ug/L	SW846 8260A
Vinyl chloride	ND	33	ug/L	SW846 8260A
Chloroethane	ND	67	ug/L	SW846 8260A
Methylene chloride	ND	33	ug/L	SW846 8260A
Acetone	ND	330	ug/L	SW846 8260A
Carbon disulfide	ND	33	ug/L	SW846 8260A
1,1-Dichloroethene	ND	33	ug/L	SW846 8260A
1,1-Dichloroethane	ND	33	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**140**	**33**	**ug/L**	**SW846 8260A**
Chloroform	ND	33	ug/L	SW846 8260A
1,2-Dichloroethane	ND	33	ug/L	SW846 8260A
2-Butanone	ND	330	ug/L	SW846 8260A
1,1,1-Trichloroethane	**160**	**33**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	33	ug/L	SW846 8260A
Bromodichloromethane	ND	33	ug/L	SW846 8260A
1,2-Dichloropropane	ND	33	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Trichloroethene	**72**	**33**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	33	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	33	ug/L	SW846 8260A
Benzene	ND	33	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Bromoform	ND	33	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	330	ug/L	SW846 8260A
2-Hexanone	ND	330	ug/L	SW846 8260A
Tetrachloroethene	**700**	**33**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	33	ug/L	SW846 8260A
Toluene	ND	33	ug/L	SW846 8260A
Chlorobenzene	ND	33	ug/L	SW846 8260A
Ethylbenzene	ND	33	ug/L	SW846 8260A
Styrene	ND	33	ug/L	SW846 8260A
Xylenes (total)	ND	33	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230102-014 **Work Order #...:** CF2AW101 **Matrix.....:** WATER
Date Sampled...: 01/20/98 00:00 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

QUALITY CONTROL SECTION

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

Quanterra® Incorporated conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. Quanterra requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). Failure of the RPDs to fall within the laboratory-generated acceptance windows requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the MS/MSD RPDs are within acceptance criteria, the batch is acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

* *for analyses run on TJA Trace ICP or GFAA only*

METHOD BLANK (continued)

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. The listed metals may be present in concentrations up to 2 times the reporting limit or must be twenty fold less than the results of the environmental samples. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. When these values fail to meet acceptance criteria, the data is reviewed to determine the cause. If, in the analyst's judgment, sample matrix effects are indicated, no corrective action is performed. Otherwise, the MS/MSD and the environmental sample used to prepare them are reprepared and reanalyzed.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

The acceptance criteria do not apply to samples that are diluted. If the dilution is more than 5X, the recoveries will be reported as diluted out. All other surrogate recoveries will be reported. If the LCS, LCSD, or the Method Blank surrogates fail to meet recovery criteria (exception for dilutions), the entire batch of samples is reprepared and reanalyzed.

If the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch may be acceptable based on the analyst's judgment that sample matrix effects are indicated.

For the GC/MS BNA methods, the surrogate criteria is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, TPH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3HN102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A260000-197
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	94	(87 - 113)	SW846 8260A
Trichloroethene	95	(89 - 115)	SW846 8260A
Chlorobenzene	100	(89 - 119)	SW846 8260A
Toluene	100	(81 - 117)	SW846 8260A
Benzene	97	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	102	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3N9102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-126
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	95	(87 - 113)	SW846 8260A
Trichloroethene	100	(89 - 115)	SW846 8260A
Chlorobenzene	101	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	103	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF457102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A280000-118
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	97	(87 - 113)	SW846 8260A
Trichloroethene	103	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	101	(81 - 117)	SW846 8260A
Benzene	102	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3HN101 **Matrix.....:** WATER
MB Lot-Sample #: A8A260000-197

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	99	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF3N9101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-126

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	106	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF457101 **Matrix.....:** WATER
MB Lot-Sample #: A8A280000-118

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8028118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF19R107-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A210132-002 CF19R108-MSD
Date Sampled...: 01/20/98 13:00 **Date Received..:** 01/21/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 16.66

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	91	(75 - 113)			SW846 8260A
	92	(75 - 113)	1.3	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	100	(71 - 110)	1.1	(0-22)	SW846 8260A
Chlorobenzene	100	(81 - 115)			SW846 8260A
	98	(81 - 115)	2.7	(0-18)	SW846 8260A
Toluene	98	(78 - 126)			SW846 8260A
	92	(78 - 126)	4.7	(0-24)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	97	(78 - 117)	1.9	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(87 - 114)
	93	(87 - 114)
1,2-Dichloroethane-d4	105	(69 - 127)
	105	(69 - 127)
Toluene-d8	96	(90 - 112)
	95	(90 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF2AJ102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230102-004 CF2AJ103-MSD
Date Sampled...: 01/20/98 14:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	87	(75 - 113)			SW846 8260A
	98	(75 - 113)	12	(0-20)	SW846 8260A
Trichloroethene	96	(71 - 110)			SW846 8260A
	108	(71 - 110)	7.6	(0-22)	SW846 8260A
Benzene	93	(78 - 117)			SW846 8260A
	103	(78 - 117)	11	(0-17)	SW846 8260A
Toluene	87	(78 - 126)			SW846 8260A
	97	(78 - 126)	11	(0-24)	SW846 8260A
Chlorobenzene	91	(81 - 115)			SW846 8260A
	101	(81 - 115)	10	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	108	(69 - 127)
Toluene-d8	92	(90 - 112)
	93	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230102 **Work Order #...:** CF2D3102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-014 CF2D3103-MSD
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(75 - 113)			SW846 8260A
	94	(75 - 113)	6.6	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	100	(71 - 110)	6.1	(0-22)	SW846 8260A
Chlorobenzene	87	(81 - 115)			SW846 8260A
	94	(81 - 115)	7.2	(0-18)	SW846 8260A
Toluene	83	(78 - 126)			SW846 8260A
	89	(78 - 126)	7.4	(0-24)	SW846 8260A
Benzene	89	(78 - 117)			SW846 8260A
	97	(78 - 117)	9.0	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	109	(69 - 127)
Toluene-d8	93	(90 - 112)
	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)
	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CHRYSLER CORPORATION

Chain-of-Custody

00585 A

CompuChem
501 Madison Avenue
Cary, NC 27513
Phone Number: 1-800-833-5097
Fax Number: (919) 379-4050

Project Name: Dayton Thermal (3Chry4/Dayton)
Site Location: Dayton, Ohio
Site Code: SC001
RFA Number: YGQP98C00203-T
Chrysler PM: GARY STANCZUK

Consultant: Leggette, Brashears & Graham
Address: 1210 West County Rd E, Ste 700, St. Paul, MN 55112
Consultant PM: Ken Vogel
Phone: 612-490-1405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 - 40ml glass - HCl	Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other ___	Remarks
MWB-1	1/20/98	10:55	G	GW	3	X					
MWC-1		11:10	G	GW	3	X					
PZ-22I		13:15	G	GW	3	X					
MWB-4		14:10	G	GW	3	X					
PZ-21I		14:15	G	GW	3	X					
MW-19S		14:50	G	GW	2	X					
PZ-19I		15:27	G	GW	3	X					
MW-20S		16:10	G	GW	3	X					
PZ-20D		16:15	G	GW	3	X					
MWC-2		17:15	G	GW	3	X					

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # Q21934

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051086

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark R. Hemstreet	1/21/98	17:55				Yes No
						Yes No
			Received for Laboratory by: Tami Stephens	1-22-98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

SDG - 203A IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No. 1
Created: September 23, 1997

CHRYSLER CORPORATION

Chain-of-Custody

00586 A

CompuChem
501 Madison Avenue
Cary, NC 27513
Phone Number: 1-800-833-5097
Fax Number: (919) 379-4050

Project Name: Dayton Thermal (3Cnry4/Dayton)
Site Location: Dayton, Ohio
Site Code: SC001
RFA Number: YGQP9800203-T
Chrysler PM: GARY STANCZUK

Consultant: Leggette, Brashears & Graham
Address: 1210 West County Rd E, Ste 700 St. Paul MN 55112
Consultant PM: Ken Vogel
Phone: 612-490-4405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify) Lab Purge water

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC8260 - 40ml glass - HCL								Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
PZ-19I DUP	1/20/98	15:27	G	GW	3	X												
MWB-2	↓	17:39	G	GW	3	X												
MW-18S	↓	17:55	G	GW	3	X												
TRIP BLANK			G	O	3													
			G		3													
			G		3													
			G		3													
			G		3													
			G		3													
			G		3													

Lab Use Only

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # Q21934

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051086

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark P. Hemstreet	1/21/98	17:55				Yes No
						Yes No
			Received for Laboratory by: Jami Stephens	1-22-98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SDG 203A IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No. 1
Created September 23, 1997

EPA Region 5 Records Ctr.
350058

Rec'd Feb 3, 98

Quanterra
Environmental Services

Date: 01/29/98
Time: 20:32:23
(Mountain Time)

From: Jeff Smith
Quanterra Inc.
4101 Shuffel Drive NW
North Canton, OH 44720

voice: 330-497-9396
fax: 330-497-0772

To: Cathy Dover
CompuChem Environmental

919-3794050

ENTERED IN DATABASE
INITIALS DVS 2/3/98
CHECKED BY KPB 3/9/98
DATE

Number of Pages
Including Cover Sheet: 17

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Quote Number :21677
Project Number :YGQP9800203-T
Project Name/Site :DAYTON THERMAL

JAN 98 GW SAMPLING

This is an automated feature provided by Quanterra Environmental Services.

QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137

Date Reported: 1/29/98

Client Sample ID: MWA-3
Sample #: 001 Date Sampled: 01/22/98 08:34 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	110	ug/L	SW846 8260A
Bromomethane	ND	110	ug/L	SW846 8260A
Vinyl chloride	ND	56	ug/L	SW846 8260A
Chloroethane	ND	110	ug/L	SW846 8260A
Methylene chloride	ND	56	ug/L	SW846 8260A
Acetone	ND	560	ug/L	SW846 8260A
Carbon disulfide	ND	56	ug/L	SW846 8260A
1,1-Dichloroethene	94	56	ug/L	SW846 8260A
1,1-Dichloroethane	100	56	ug/L	SW846 8260A
1,2-Dichloroethene (total)	130	56	ug/L	SW846 8260A
Chloroform	ND	56	ug/L	SW846 8260A
1,2-Dichloroethane	ND	56	ug/L	SW846 8260A
2-Butanone	ND	560	ug/L	SW846 8260A
1,1,1-Trichloroethane	1500	56	ug/L	SW846 8260A
Carbon tetrachloride	ND	56	ug/L	SW846 8260A
Bromodichloromethane	ND	56	ug/L	SW846 8260A
1,2-Dichloropropane	ND	56	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	56	ug/L	SW846 8260A
Trichloroethene	240	56	ug/L	SW846 8260A
Dibromochloromethane	ND	56	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	56	ug/L	SW846 8260A
Benzene	ND	56	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	56	ug/L	SW846 8260A
Bromoform	ND	56	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	560	ug/L	SW846 8260A
2-Hexanone	ND	560	ug/L	SW846 8260A
Tetrachloroethene	1000	56	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	56	ug/L	SW846 8260A
Toluene	ND	56	ug/L	SW846 8260A
Chlorobenzene	ND	56	ug/L	SW846 8260A
Ethylbenzene	ND	56	ug/L	SW846 8260A
Styrene	ND	56	ug/L	SW846 8260A
Xylenes (total)	ND	56	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-14I
Sample #: 002 Date Sampled: 01/22/98 08:44 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	13	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	39	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	47	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	150	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	19	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-14IDUP
Sample #: 003 Date Sampled: 01/22/98 08:44 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	13	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	41	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	48	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	150	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	19	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: MWB-6
Sample #: 004 Date Sampled: 01/22/98 09:06 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	170	ug/L	SW846 8260A
Bromomethane	ND	170	ug/L	SW846 8260A
Vinyl chloride	ND	83	ug/L	SW846 8260A
Chloroethane	ND	170	ug/L	SW846 8260A
Methylene chloride	ND	83	ug/L	SW846 8260A
Acetone	ND	830	ug/L	SW846 8260A
Carbon disulfide	ND	83	ug/L	SW846 8260A
1,1-Dichloroethene	410	83	ug/L	SW846 8260A
1,1-Dichloroethane	760	83	ug/L	SW846 8260A
1,2-Dichloroethene (total)	360	83	ug/L	SW846 8260A
Chloroform	ND	83	ug/L	SW846 8260A
1,2-Dichloroethane	ND	83	ug/L	SW846 8260A
2-Butanone	ND	830	ug/L	SW846 8260A
1,1,1-Trichloroethane	1300	83	ug/L	SW846 8260A
Carbon tetrachloride	ND	83	ug/L	SW846 8260A
Bromodichloromethane	ND	83	ug/L	SW846 8260A
1,2-Dichloropropane	ND	83	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Trichloroethene	1900	83	ug/L	SW846 8260A
Dibromochloromethane	ND	83	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	83	ug/L	SW846 8260A
Benzene	ND	83	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Bromoform	ND	83	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	830	ug/L	SW846 8260A
2-Hexanone	ND	830	ug/L	SW846 8260A
Tetrachloroethene	ND	83	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	83	ug/L	SW846 8260A
Toluene	ND	83	ug/L	SW846 8260A
Chlorobenzene	ND	83	ug/L	SW846 8260A
Ethylbenzene	ND	83	ug/L	SW846 8260A
Styrene	ND	83	ug/L	SW846 8260A
Xylenes (total)	ND	83	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-8I
Sample #: 005 Date Sampled: 01/22/98 09:57 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	1000	ug/L	SW846 8260A	
Bromomethane	ND	1000	ug/L	SW846 8260A	
Vinyl chloride	ND	500	ug/L	SW846 8260A	
Chloroethane	ND	1000	ug/L	SW846 8260A	
Methylene chloride	ND	500	ug/L	SW846 8260A	
Acetone	ND	5000	ug/L	SW846 8260A	
Carbon disulfide	ND	500	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	500	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	500	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	ND	500	ug/L	SW846 8260A	
Chloroform	ND	500	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	500	ug/L	SW846 8260A	
2-Butanone	ND	5000	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	500	ug/L	SW846 8260A	
Carbon tetrachloride	ND	500	ug/L	SW846 8260A	
Bromodichloromethane	ND	500	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	500	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A	
Trichloroethene	4700	500	ug/L	SW846 8260A	
Dibromochloromethane	ND	500	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	500	ug/L	SW846 8260A	
Benzene	ND	500	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A	
Bromoform	ND	500	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	5000	ug/L	SW846 8260A	
2-Hexanone	ND	5000	ug/L	SW846 8260A	
Tetrachloroethene	10000	500	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	500	ug/L	SW846 8260A	
Toluene	ND	500	ug/L	SW846 8260A	
Chlorobenzene	ND	500	ug/L	SW846 8260A	
Ethylbenzene	ND	500	ug/L	SW846 8260A	
Styrene	ND	500	ug/L	SW846 8260A	
Xylenes (total)	ND	500	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: MW-8S
Sample #: 006 Date Sampled: 01/22/98 10:05 Date Received: 01/23/98 Matrix: WATER

Volatile Organics by GC/MS — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	100	ug/L	SW846 8260A
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	470	100	ug/L	SW846 8260A
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	2200	100	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: MW-8SDUP
Sample #: 007 Date Sampled: 01/22/98 10:05 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	200	ug/L	SW846 8260A	
Bromomethane	ND	200	ug/L	SW846 8260A	
Vinyl chloride	ND	100	ug/L	SW846 8260A	
Chloroethane	ND	200	ug/L	SW846 8260A	
Methylene chloride	ND	100	ug/L	SW846 8260A	
Acetone	ND	1000	ug/L	SW846 8260A	
Carbon disulfide	ND	100	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	ND	100	ug/L	SW846 8260A	
Chloroform	ND	100	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A	
2-Butanone	ND	1000	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A	
Carbon tetrachloride	ND	100	ug/L	SW846 8260A	
Bromodichloromethane	ND	100	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A	
Trichloroethene	450	100	ug/L	SW846 8260A	
Dibromochloromethane	ND	100	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A	
Benzene	ND	100	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A	
Bromoform	ND	100	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A	
2-Hexanone	ND	1000	ug/L	SW846 8260A	
Tetrachloroethene	2200	100	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A	
Toluene	ND	100	ug/L	SW846 8260A	
Chlorobenzene	ND	100	ug/L	SW846 8260A	
Ethylbenzene	ND	100	ug/L	SW846 8260A	
Styrene	ND	100	ug/L	SW846 8260A	
Xylenes (total)	ND	100	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: FIELD BLANK
Sample #: 008 Date Sampled: 01/22/98 10:11 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-8D
Sample #: 009 Date Sampled: 01/22/98 10:20 Date Received: 01/23/98 Matrix: WATER

Volatile Organics by GC/MS — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloromethane	ND	8.3	ug/L	SW846 8260A
Bromomethane	ND	8.3	ug/L	SW846 8260A
Vinyl chloride	ND	4.2	ug/L	SW846 8260A
Chloroethane	ND	8.3	ug/L	SW846 8260A
Methylene chloride	ND	4.2	ug/L	SW846 8260A
Acetone	ND	42	ug/L	SW846 8260A
Carbon disulfide	ND	4.2	ug/L	SW846 8260A
1,1-Dichloroethene	ND	4.2	ug/L	SW846 8260A
1,1-Dichloroethane	ND	4.2	ug/L	SW846 8260A
1,2-Dichloroethene (total)	15	4.2	ug/L	SW846 8260A
Chloroform	ND	4.2	ug/L	SW846 8260A
1,2-Dichloroethane	ND	4.2	ug/L	SW846 8260A
2-Butanone	ND	42	ug/L	SW846 8260A
1,1,1-Trichloroethane	7.2	4.2	ug/L	SW846 8260A
Carbon tetrachloride	ND	4.2	ug/L	SW846 8260A
Bromodichloromethane	ND	4.2	ug/L	SW846 8260A
1,2-Dichloropropane	ND	4.2	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	4.2	ug/L	SW846 8260A
Trichloroethene	91	4.2	ug/L	SW846 8260A
Dibromochloromethane	ND	4.2	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	4.2	ug/L	SW846 8260A
Benzene	ND	4.2	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	4.2	ug/L	SW846 8260A
Bromoform	ND	4.2	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	42	ug/L	SW846 8260A
2-Hexanone	ND	42	ug/L	SW846 8260A
Tetrachloroethene	38	4.2	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	4.2	ug/L	SW846 8260A
Toluene	ND	4.2	ug/L	SW846 8260A
Chlorobenzene	ND	4.2	ug/L	SW846 8260A
Ethylbenzene	ND	4.2	ug/L	SW846 8260A
Styrene	ND	4.2	ug/L	SW846 8260A
Xylenes (total)	ND	4.2	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: MW-10S
Sample #: 010 Date Sampled: 01/22/98 11:11 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	710	ug/L	SW846 8260A
Bromomethane	ND	710	ug/L	SW846 8260A
Vinyl chloride	ND	360	ug/L	SW846 8260A
Chloroethane	ND	710	ug/L	SW846 8260A
Methylene chloride	ND	360	ug/L	SW846 8260A
Acetone	ND	3600	ug/L	SW846 8260A
Carbon disulfide	ND	360	ug/L	SW846 8260A
1,1-Dichloroethene	ND	360	ug/L	SW846 8260A
1,1-Dichloroethane	ND	360	ug/L	SW846 8260A
1,2-Dichloroethene (total)	2400	360	ug/L	SW846 8260A
Chloroform	ND	360	ug/L	SW846 8260A
1,2-Dichloroethane	ND	360	ug/L	SW846 8260A
2-Butanone	ND	3600	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	360	ug/L	SW846 8260A
Carbon tetrachloride	ND	360	ug/L	SW846 8260A
Bromodichloromethane	ND	360	ug/L	SW846 8260A
1,2-Dichloropropane	ND	360	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	360	ug/L	SW846 8260A
Trichloroethene	12000	360	ug/L	SW846 8260A
Dibromochloromethane	ND	360	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	360	ug/L	SW846 8260A
Benzene	ND	360	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	360	ug/L	SW846 8260A
Bromoform	ND	360	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	3600	ug/L	SW846 8260A
2-Hexanone	ND	3600	ug/L	SW846 8260A
Tetrachloroethene	ND	360	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	360	ug/L	SW846 8260A
Toluene	ND	360	ug/L	SW846 8260A
Chlorobenzene	ND	360	ug/L	SW846 8260A
Ethylbenzene	ND	360	ug/L	SW846 8260A
Styrene	ND	360	ug/L	SW846 8260A
Xylenes (total)	ND	360	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-9D
Sample #: 011 Date Sampled: 01/22/98 11:21 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	200	ug/L	SW846 8260A	
Bromomethane	ND	200	ug/L	SW846 8260A	
Vinyl chloride	ND	100	ug/L	SW846 8260A	
Chloroethane	ND	200	ug/L	SW846 8260A	
Methylene chloride	ND	100	ug/L	SW846 8260A	
Acetone	ND	1000	ug/L	SW846 8260A	
Carbon disulfide	ND	100	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	210	100	ug/L	SW846 8260A	
Chloroform	ND	100	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A	
2-Butanone	ND	1000	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A	
Carbon tetrachloride	ND	100	ug/L	SW846 8260A	
Bromodichloromethane	ND	100	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A	
Trichloroethene	2800	100	ug/L	SW846 8260A	
Dibromochloromethane	ND	100	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A	
Benzene	ND	100	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A	
Bromoform	ND	100	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A	
2-Hexanone	ND	1000	ug/L	SW846 8260A	
Tetrachloroethene	ND	100	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A	
Toluene	ND	100	ug/L	SW846 8260A	
Chlorobenzene	ND	100	ug/L	SW846 8260A	
Ethylbenzene	ND	100	ug/L	SW846 8260A	
Styrene	ND	100	ug/L	SW846 8260A	
Xylenes (total)	ND	100	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-10I
Sample #: 012 Date Sampled: 01/22/98 11:33 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	500	ug/L	SW846 8260A	
Bromomethane	ND	500	ug/L	SW846 8260A	
Vinyl chloride	ND	250	ug/L	SW846 8260A	
Chloroethane	ND	500	ug/L	SW846 8260A	
Methylene chloride	ND	250	ug/L	SW846 8260A	
Acetone	ND	2500	ug/L	SW846 8260A	
Carbon disulfide	ND	250	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	250	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	250	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	3200	250	ug/L	SW846 8260A	
Chloroform	ND	250	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	250	ug/L	SW846 8260A	
2-Butanone	ND	2500	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	250	ug/L	SW846 8260A	
Carbon tetrachloride	ND	250	ug/L	SW846 8260A	
Bromodichloromethane	ND	250	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	250	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	250	ug/L	SW846 8260A	
Trichloroethene	7800	250	ug/L	SW846 8260A	
Dibromochloromethane	ND	250	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	250	ug/L	SW846 8260A	
Benzene	ND	250	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	250	ug/L	SW846 8260A	
Bromoform	ND	250	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	2500	ug/L	SW846 8260A	
2-Hexanone	ND	2500	ug/L	SW846 8260A	
Tetrachloroethene	ND	250	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	250	ug/L	SW846 8260A	
Toluene	ND	250	ug/L	SW846 8260A	
Chlorobenzene	ND	250	ug/L	SW846 8260A	
Ethylbenzene	ND	250	ug/L	SW846 8260A	
Styrene	ND	250	ug/L	SW846 8260A	
Xylenes (total)	ND	250	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: MWA-2
Sample #: 013 Date Sampled: 01/22/98 13:30 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	120	ug/L	SW846 8260A
Bromomethane	ND	120	ug/L	SW846 8260A
Vinyl chloride	ND	59	ug/L	SW846 8260A
Chloroethane	ND	120	ug/L	SW846 8260A
Methylene chloride	ND	59	ug/L	SW846 8260A
Acetone	ND	590	ug/L	SW846 8260A
Carbon disulfide	ND	59	ug/L	SW846 8260A
1,1-Dichloroethene	ND	59	ug/L	SW846 8260A
1,1-Dichloroethane	77	59	ug/L	SW846 8260A
1,2-Dichloroethene (total)	780	59	ug/L	SW846 8260A
Chloroform	ND	59	ug/L	SW846 8260A
1,2-Dichloroethane	ND	59	ug/L	SW846 8260A
2-Butanone	ND	590	ug/L	SW846 8260A
1,1,1-Trichloroethane	1800	59	ug/L	SW846 8260A
Carbon tetrachloride	ND	59	ug/L	SW846 8260A
Bromodichloromethane	ND	59	ug/L	SW846 8260A
1,2-Dichloropropane	ND	59	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	59	ug/L	SW846 8260A
Trichloroethene	870	59	ug/L	SW846 8260A
Dibromochloromethane	ND	59	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	59	ug/L	SW846 8260A
Benzene	ND	59	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	59	ug/L	SW846 8260A
Bromoform	ND	59	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	590	ug/L	SW846 8260A
2-Hexanone	ND	590	ug/L	SW846 8260A
Tetrachloroethene	1900	59	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	59	ug/L	SW846 8260A
Toluene	ND	59	ug/L	SW846 8260A
Chlorobenzene	ND	59	ug/L	SW846 8260A
Ethylbenzene	ND	59	ug/L	SW846 8260A
Styrene	ND	59	ug/L	SW846 8260A
Xylenes (total)	ND	59	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: PZ-16D
Sample #: 014 Date Sampled: 01/22/98 13:45 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	170	ug/L	SW846 8260A	
Bromomethane	ND	170	ug/L	SW846 8260A	
Vinyl chloride	ND	83	ug/L	SW846 8260A	
Chloroethane	ND	170	ug/L	SW846 8260A	
Methylene chloride	ND	83	ug/L	SW846 8260A	
Acetone	ND	830	ug/L	SW846 8260A	
Carbon disulfide	ND	83	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	83	ug/L	SW846 8260A	
1,1-Dichloroethane	86	83	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	890	83	ug/L	SW846 8260A	
Chloroform	ND	83	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	83	ug/L	SW846 8260A	
2-Butanone	ND	830	ug/L	SW846 8260A	
1,1,1-Trichloroethane	1900	83	ug/L	SW846 8260A	
Carbon tetrachloride	ND	83	ug/L	SW846 8260A	
Bromodichloromethane	ND	83	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	83	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A	
Trichloroethene	230	83	ug/L	SW846 8260A	
Dibromochloromethane	ND	83	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	83	ug/L	SW846 8260A	
Benzene	ND	83	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A	
Bromoform	ND	83	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	830	ug/L	SW846 8260A	
2-Hexanone	ND	830	ug/L	SW846 8260A	
Tetrachloroethene	97	83	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	83	ug/L	SW846 8260A	
Toluene	ND	83	ug/L	SW846 8260A	
Chlorobenzene	ND	83	ug/L	SW846 8260A	
Ethylbenzene	ND	83	ug/L	SW846 8260A	
Styrene	ND	83	ug/L	SW846 8260A	
Xylenes (total)	ND	83	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: MWA-4
Sample #: 015 Date Sampled: 01/22/98 14:27 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	3300	ug/L	SW846 8260A
Bromomethane	ND	3300	ug/L	SW846 8260A
Vinyl chloride	3200	1700	ug/L	SW846 8260A
Chloroethane	ND	3300	ug/L	SW846 8260A
Methylene chloride	ND	1700	ug/L	SW846 8260A
Acetone	ND	17000	ug/L	SW846 8260A
Carbon disulfide	ND	1700	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1700	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1700	ug/L	SW846 8260A
1,2-Dichloroethene (total)	19000	1700	ug/L	SW846 8260A
Chloroform	ND	1700	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1700	ug/L	SW846 8260A
2-Butanone	ND	17000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1700	ug/L	SW846 8260A
Carbon tetrachloride	ND	1700	ug/L	SW846 8260A
Bromodichloromethane	ND	1700	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1700	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1700	ug/L	SW846 8260A
Trichloroethene	51000	1700	ug/L	SW846 8260A
Dibromochloromethane	ND	1700	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1700	ug/L	SW846 8260A
Benzene	ND	1700	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1700	ug/L	SW846 8260A
Bromoform	ND	1700	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	17000	ug/L	SW846 8260A
2-Hexanone	ND	17000	ug/L	SW846 8260A
Tetrachloroethene	ND	1700	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1700	ug/L	SW846 8260A
Toluene	ND	1700	ug/L	SW846 8260A
Chlorobenzene	ND	1700	ug/L	SW846 8260A
Ethylbenzene	ND	1700	ug/L	SW846 8260A
Styrene	ND	1700	ug/L	SW846 8260A
Xylenes (total)	ND	1700	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230137 Date Reported: 1/29/98

Client Sample ID: TRIP BLANK
Sample #: 016 Date Sampled: 01/22/98 14:27 Date Received: 01/23/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

EPA Region 5 Records Ctr.
350059

Quanterra
Environmental Services

Quanterra Incorporated
4101 Shuffel Drive, NW
North Canton, Ohio 44720

330 497-9396 Telephone
330 497-0772 Fax

ANALYTICAL REPORT

PROJECT NO. YGQP9800203-T

DAYTON THERMAL

Lot #: A8A230105

Cathy Dover

CompuChem Environmental

QUANTERRA INCORPORATED

Jeffrey C. Smith
Project Manager

February 4, 1998

CASE NARRATIVE

The following report contains the analytical results for nineteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 22, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Samples were received at the laboratory at a temperature of 1.1° C.

One 40ml Volatile vial for sample Trip Blank was received with headspace.

GC/MS VOLATILES

The pH of samples MW-7S, PZ-7I, MW-15S, MW-11S and PZ-17D were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

The matrix spike/matrix spike duplicate associated with batch 8029121 failed recovery criteria. The laboratory control sample associated with this batch was in control. This is believed to be a matrix effect; therefore, no further corrective action was taken.

ANALYTICAL METHODS SUMMARY

A8A230105

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8A230105

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CF2CG	001	MWB-5	01/21/98	09:20
CF2CJ	002	MW-7S	01/21/98	09:40
CF2CK	003	PZ-7I	01/21/98	10:00
CF2CL	004	MW-15S	01/21/98	10:45
CF2CM	005	PZ-15I	01/21/98	10:50
CF2CN	006	PZ-12D	01/21/98	11:40
CF2CP	007	MWA-6	01/21/98	11:40
CF2CQ	008	PZ-12I	01/21/98	11:47
CF2CR	009	MWC-3	01/21/98	13:30
CF2CT	010	MWB-3	01/21/98	13:35
CF2CW	011	MW-11S	01/21/98	13:45
CF2D1	012	PZ-13I	01/21/98	14:27
CF2D2	013	MWA-5	01/21/98	14:30
CF2D3	014	MWA-1	01/21/98	14:55
CF2D4	015	PZ-17I	01/21/98	15:41
CF2D8	016	PZ-17D	01/21/98	16:24
CF2DA	017	FIELD BLANK	01/21/98	09:15
CF2DE	018	TRIP BLANK	01/21/98	00:00
CF2DG	019	PZ-13IDUP	01/21/98	14:27

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-5

GC/MS Volatiles

Lot-Sample #...: A8A230105-001 **Work Order #...:** CF2CG101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 09:20 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**1.1**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**8.5**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-7S

GC/MS Volatiles

Lot-Sample #...: A8A230105-002 **Work Order #...:** CF2CJ101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 09:40 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	4.0	ug/L	SW846 8260A
Bromomethane	ND	4.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	4.0	ug/L	SW846 8260A
Methylene chloride	ND	2.0	ug/L	SW846 8260A
Acetone	ND	20	ug/L	SW846 8260A
Carbon disulfide	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**2.6**	**2.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	2.0	ug/L	SW846 8260A
2-Butanone	ND	20	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	2.0	ug/L	SW846 8260A
Bromodichloromethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	2.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Trichloroethene	**70**	**2.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	2.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Benzene	ND	2.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Bromoform	ND	2.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/L	SW846 8260A
2-Hexanone	ND	20	ug/L	SW846 8260A
Tetrachloroethene	ND	2.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	SW846 8260A
Toluene	ND	2.0	ug/L	SW846 8260A
Chlorobenzene	ND	2.0	ug/L	SW846 8260A
Ethylbenzene	ND	2.0	ug/L	SW846 8260A
Styrene	ND	2.0	ug/L	SW846 8260A
Xylenes (total)	ND	2.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-7I

GC/MS Volatiles

Lot-Sample #...: A8A230105-003 **Work Order #...:** CF2CK101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 10:00 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**4.5**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**1.8**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	**1.2**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-15S

GC/MS Volatiles

Lot-Sample #...: A8A230105-004 **Work Order #...:** CF2CL101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 10:45 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	**120**	**5.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	93	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-15I

GC/MS Volatiles

Lot-Sample #...: A8A230105-005 **Work Order #...:** CF2CM101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 10:50 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	**4.9**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**2.0**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	**1.3**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	**8.5**	**1.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**16**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	**33**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-12D

GC/MS Volatiles

Lot-Sample #...: A8A230105-006 **Work Order #...:** CF2CN101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 11:40 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	20	ug/L	SW846 8260A
Bromomethane	ND	20	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	20	ug/L	SW846 8260A
Methylene chloride	ND	10	ug/L	SW846 8260A
Acetone	ND	100	ug/L	SW846 8260A
Carbon disulfide	ND	10	ug/L	SW846 8260A
1,1-Dichloroethene	ND	10	ug/L	SW846 8260A
1,1-Dichloroethane	ND	10	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**72**	**10**	**ug/L**	**SW846 8260A**
Chloroform	ND	10	ug/L	SW846 8260A
1,2-Dichloroethane	ND	10	ug/L	SW846 8260A
2-Butanone	ND	100	ug/L	SW846 8260A
1,1,1-Trichloroethane	**67**	**10**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	10	ug/L	SW846 8260A
Bromodichloromethane	ND	10	ug/L	SW846 8260A
1,2-Dichloropropane	ND	10	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Trichloroethene	**270**	**10**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	10	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	10	ug/L	SW846 8260A
Benzene	ND	10	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Bromoform	ND	10	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	100	ug/L	SW846 8260A
2-Hexanone	ND	100	ug/L	SW846 8260A
Tetrachloroethene	ND	10	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	10	ug/L	SW846 8260A
Toluene	ND	10	ug/L	SW846 8260A
Chlorobenzene	ND	10	ug/L	SW846 8260A
Ethylbenzene	ND	10	ug/L	SW846 8260A
Styrene	ND	10	ug/L	SW846 8260A
Xylenes (total)	ND	10	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-12I

GC/MS Volatiles

Lot-Sample #...: A8A230105-008 **Work Order #...:** CF2CQ101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 11:47 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 12.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	25	ug/L	SW846 8260A
Bromomethane	ND	25	ug/L	SW846 8260A
Vinyl chloride	ND	12	ug/L	SW846 8260A
Chloroethane	ND	25	ug/L	SW846 8260A
Methylene chloride	ND	12	ug/L	SW846 8260A
Acetone	ND	120	ug/L	SW846 8260A
Carbon disulfide	ND	12	ug/L	SW846 8260A
1,1-Dichloroethene	ND	12	ug/L	SW846 8260A
1,1-Dichloroethane	ND	12	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**210**	**12**	**ug/L**	**SW846 8260A**
Chloroform	ND	12	ug/L	SW846 8260A
1,2-Dichloroethane	ND	12	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	**69**	**12**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	12	ug/L	SW846 8260A
Bromodichloromethane	ND	12	ug/L	SW846 8260A
1,2-Dichloropropane	ND	12	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	12	ug/L	SW846 8260A
Trichloroethene	**310**	**12**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	12	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	12	ug/L	SW846 8260A
Benzene	ND	12	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	12	ug/L	SW846 8260A
Bromoform	ND	12	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	12	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	12	ug/L	SW846 8260A
Toluene	ND	12	ug/L	SW846 8260A
Chlorobenzene	ND	12	ug/L	SW846 8260A
Ethylbenzene	ND	12	ug/L	SW846 8260A
Styrene	ND	12	ug/L	SW846 8260A
Xylenes (total)	ND	12	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWC-3

GC/MS Volatiles

Lot-Sample #...: A8A230105-009 **Work Order #...:** CF2CR101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 13:30 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**3.7**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**5.7**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-3

GC/MS Volatiles

Lot-Sample #...: A8A230105-010 **Work Order #...:** CF2CT101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 13:35 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 16.66

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	33	ug/L	SW846 8260A
Bromomethane	ND	33	ug/L	SW846 8260A
Vinyl chloride	ND	17	ug/L	SW846 8260A
Chloroethane	ND	33	ug/L	SW846 8260A
Methylene chloride	ND	17	ug/L	SW846 8260A
Acetone	ND	170	ug/L	SW846 8260A
Carbon disulfide	ND	17	ug/L	SW846 8260A
1,1-Dichloroethene	ND	17	ug/L	SW846 8260A
1,1-Dichloroethane	ND	17	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**110**	**17**	**ug/L**	**SW846 8260A**
Chloroform	ND	17	ug/L	SW846 8260A
1,2-Dichloroethane	ND	17	ug/L	SW846 8260A
2-Butanone	ND	170	ug/L	SW846 8260A
1,1,1-Trichloroethane	**59**	**17**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	17	ug/L	SW846 8260A
Bromodichloromethane	ND	17	ug/L	SW846 8260A
1,2-Dichloropropane	ND	17	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	17	ug/L	SW846 8260A
Trichloroethene	**380**	**17**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	17	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	17	ug/L	SW846 8260A
Benzene	ND	17	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	17	ug/L	SW846 8260A
Bromoform	ND	17	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	170	ug/L	SW846 8260A
2-Hexanone	ND	170	ug/L	SW846 8260A
Tetrachloroethene	ND	17	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	17	ug/L	SW846 8260A
Toluene	ND	17	ug/L	SW846 8260A
Chlorobenzene	ND	17	ug/L	SW846 8260A
Ethylbenzene	ND	17	ug/L	SW846 8260A
Styrene	ND	17	ug/L	SW846 8260A
Xylenes (total)	ND	17	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-11S

GC/MS Volatiles

Lot-Sample #...: A8A230105-011 **Work Order #...:** CF2CW101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 13:45 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 71.42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	140	ug/L	SW846 8260A
Bromomethane	ND	140	ug/L	SW846 8260A
Vinyl chloride	ND	71	ug/L	SW846 8260A
Chloroethane	ND	140	ug/L	SW846 8260A
Methylene chloride	ND	71	ug/L	SW846 8260A
Acetone	ND	710	ug/L	SW846 8260A
Carbon disulfide	ND	71	ug/L	SW846 8260A
1,1-Dichloroethene	ND	71	ug/L	SW846 8260A
1,1-Dichloroethane	ND	71	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**380**	**71**	**ug/L**	**SW846 8260A**
Chloroform	ND	71	ug/L	SW846 8260A
1,2-Dichloroethane	ND	71	ug/L	SW846 8260A
2-Butanone	ND	710	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	71	ug/L	SW846 8260A
Carbon tetrachloride	ND	71	ug/L	SW846 8260A
Bromodichloromethane	ND	71	ug/L	SW846 8260A
1,2-Dichloropropane	ND	71	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Trichloroethene	**2200**	**71**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	71	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	71	ug/L	SW846 8260A
Benzene	ND	71	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Bromoform	ND	71	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	710	ug/L	SW846 8260A
2-Hexanone	ND	710	ug/L	SW846 8260A
Tetrachloroethene	ND	71	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	71	ug/L	SW846 8260A
Toluene	ND	71	ug/L	SW846 8260A
Chlorobenzene	ND	71	ug/L	SW846 8260A
Ethylbenzene	ND	71	ug/L	SW846 8260A
Styrene	ND	71	ug/L	SW846 8260A
Xylenes (total)	ND	71	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	108	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-13I

GC/MS Volatiles

Lot-Sample #...: A8A230105-012 **Work Order #...:** CF2D1101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:27 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	ND	50	ug/L	SW846 8260A
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	ND	50	ug/L	SW846 8260A
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**300**	**50**	**ug/L**	**SW846 8260A**
Chloroform	ND	50	ug/L	SW846 8260A
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	500	ug/L	SW846 8260A
1,1,1-Trichloroethane	**410**	**50**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	**1000**	**50**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	ND	50	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	500	ug/L	SW846 8260A
2-Hexanone	ND	500	ug/L	SW846 8260A
Tetrachloroethene	**770**	**50**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	ND	50	ug/L	SW846 8260A
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	ND	50	ug/L	SW846 8260A
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	ND	50	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	101	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-5

GC/MS Volatiles

Lot-Sample #...: A8A230105-013 **Work Order #...:** CF2D2101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:30 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	**400**	**100**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**130**	**100**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**170**	**100**	**ug/L**	**SW846 8260A**
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	**2900**	**100**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**2100**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	ND	100	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	101	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-1

GC/MS Volatiles

Lot-Sample #...: A8A230105-014 **Work Order #...:** CF2D3101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	67	ug/L	SW846 8260A
Bromomethane	ND	67	ug/L	SW846 8260A
Vinyl chloride	ND	33	ug/L	SW846 8260A
Chloroethane	ND	67	ug/L	SW846 8260A
Methylene chloride	ND	33	ug/L	SW846 8260A
Acetone	ND	330	ug/L	SW846 8260A
Carbon disulfide	ND	33	ug/L	SW846 8260A
1,1-Dichloroethene	ND	33	ug/L	SW846 8260A
1,1-Dichloroethane	**66**	**33**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**130**	**33**	**ug/L**	**SW846 8260A**
Chloroform	ND	33	ug/L	SW846 8260A
1,2-Dichloroethane	ND	33	ug/L	SW846 8260A
2-Butanone	ND	330	ug/L	SW846 8260A
1,1,1-Trichloroethane	**420**	**33**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	33	ug/L	SW846 8260A
Bromodichloromethane	ND	33	ug/L	SW846 8260A
1,2-Dichloropropane	ND	33	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Trichloroethene	**150**	**33**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	33	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	33	ug/L	SW846 8260A
Benzene	ND	33	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Bromoform	ND	33	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	330	ug/L	SW846 8260A
2-Hexanone	ND	330	ug/L	SW846 8260A
Tetrachloroethene	**700**	**33**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	33	ug/L	SW846 8260A
Toluene	ND	33	ug/L	SW846 8260A
Chlorobenzene	ND	33	ug/L	SW846 8260A
Ethylbenzene	ND	33	ug/L	SW846 8260A
Styrene	ND	33	ug/L	SW846 8260A
Xylenes (total)	ND	33	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-17I

GC/MS Volatiles

Lot-Sample #...: A8A230105-015 **Work Order #...:** CF2D4101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 15:41 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 71.42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	140	ug/L	SW846 8260A
Bromomethane	ND	140	ug/L	SW846 8260A
Vinyl chloride	ND	71	ug/L	SW846 8260A
Chloroethane	ND	140	ug/L	SW846 8260A
Methylene chloride	ND	71	ug/L	SW846 8260A
Acetone	ND	710	ug/L	SW846 8260A
Carbon disulfide	ND	71	ug/L	SW846 8260A
1,1-Dichloroethene	ND	71	ug/L	SW846 8260A
1,1-Dichloroethane	ND	71	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	71	ug/L	SW846 8260A
Chloroform	ND	71	ug/L	SW846 8260A
1,2-Dichloroethane	ND	71	ug/L	SW846 8260A
2-Butanone	ND	710	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	71	ug/L	SW846 8260A
Carbon tetrachloride	ND	71	ug/L	SW846 8260A
Bromodichloromethane	ND	71	ug/L	SW846 8260A
1,2-Dichloropropane	ND	71	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Trichloroethene	ND	71	ug/L	SW846 8260A
Dibromochloromethane	ND	71	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	71	ug/L	SW846 8260A
Benzene	ND	71	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Bromoform	ND	71	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	710	ug/L	SW846 8260A
2-Hexanone	ND	710	ug/L	SW846 8260A
Tetrachloroethene	**1600**	**71**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	71	ug/L	SW846 8260A
Toluene	ND	71	ug/L	SW846 8260A
Chlorobenzene	ND	71	ug/L	SW846 8260A
Ethylbenzene	ND	71	ug/L	SW846 8260A
Styrene	ND	71	ug/L	SW846 8260A
Xylenes (total)	ND	71	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	104	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-17D

GC/MS Volatiles

Lot-Sample #...: A8A230105-016 **Work Order #...:** CF2D8101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 16:24 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	5.0	ug/L	SW846 8260A
Bromomethane	ND	5.0	ug/L	SW846 8260A
Vinyl chloride	**10**	**2.5**	**ug/L**	**SW846 8260A**
Chloroethane	ND	5.0	ug/L	SW846 8260A
Methylene chloride	ND	2.5	ug/L	SW846 8260A
Acetone	ND	25	ug/L	SW846 8260A
Carbon disulfide	ND	2.5	ug/L	SW846 8260A
1,1-Dichloroethene	ND	2.5	ug/L	SW846 8260A
1,1-Dichloroethane	**4.5**	**2.5**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**3.5**	**2.5**	**ug/L**	**SW846 8260A**
Chloroform	ND	2.5	ug/L	SW846 8260A
1,2-Dichloroethane	ND	2.5	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	2.5	ug/L	SW846 8260A
Carbon tetrachloride	ND	2.5	ug/L	SW846 8260A
Bromodichloromethane	ND	2.5	ug/L	SW846 8260A
1,2-Dichloropropane	ND	2.5	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	2.5	ug/L	SW846 8260A
Trichloroethene	**8.0**	**2.5**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	2.5	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	2.5	ug/L	SW846 8260A
Benzene	ND	2.5	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	2.5	ug/L	SW846 8260A
Bromoform	ND	2.5	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	**67**	**2.5**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	SW846 8260A
Toluene	ND	2.5	ug/L	SW846 8260A
Chlorobenzene	ND	2.5	ug/L	SW846 8260A
Ethylbenzene	ND	2.5	ug/L	SW846 8260A
Styrene	ND	2.5	ug/L	SW846 8260A
Xylenes (total)	ND	2.5	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(69 - 127)
Toluene-d8	103	(90 - 112)
Bromofluorobenzene	100	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230105-017 **Work Order #...:** CF2DA101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 09:15 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(69 - 127)
Toluene-d8	104	(90 - 112)
Bromofluorobenzene	97	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230105-018 **Work Order #...:** CF2DE101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 00:00 **Date Received..:** 01/22/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1.42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.8	ug/L	SW846 8260A
Bromomethane	ND	2.8	ug/L	SW846 8260A
Vinyl chloride	ND	1.4	ug/L	SW846 8260A
Chloroethane	ND	2.8	ug/L	SW846 8260A
Methylene chloride	ND	1.4	ug/L	SW846 8260A
Acetone	ND	14	ug/L	SW846 8260A
Carbon disulfide	ND	1.4	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.4	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.4	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.4	ug/L	SW846 8260A
Chloroform	ND	1.4	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.4	ug/L	SW846 8260A
2-Butanone	ND	14	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.4	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.4	ug/L	SW846 8260A
Bromodichloromethane	ND	1.4	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.4	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.4	ug/L	SW846 8260A
Trichloroethene	ND	1.4	ug/L	SW846 8260A
Dibromochloromethane	ND	1.4	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.4	ug/L	SW846 8260A
Benzene	ND	1.4	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.4	ug/L	SW846 8260A
Bromoform	ND	1.4	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	14	ug/L	SW846 8260A
2-Hexanone	ND	14	ug/L	SW846 8260A
Tetrachloroethene	ND	1.4	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.4	ug/L	SW846 8260A
Toluene	ND	1.4	ug/L	SW846 8260A
Chlorobenzene	ND	1.4	ug/L	SW846 8260A
Ethylbenzene	ND	1.4	ug/L	SW846 8260A
Styrene	ND	1.4	ug/L	SW846 8260A
Xylenes (total)	ND	1.4	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-13IDUP

GC/MS Volatiles

Lot-Sample #...: A8A230105-019 **Work Order #...:** CF2DG101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:27 **Date Received..:** 01/22/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 31.25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	62	ug/L	SW846 8260A
Bromomethane	ND	62	ug/L	SW846 8260A
Vinyl chloride	ND	31	ug/L	SW846 8260A
Chloroethane	ND	62	ug/L	SW846 8260A
Methylene chloride	ND	31	ug/L	SW846 8260A
Acetone	ND	310	ug/L	SW846 8260A
Carbon disulfide	ND	31	ug/L	SW846 8260A
1,1-Dichloroethene	**43**	**31**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**31**	**31**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**290**	**31**	**ug/L**	**SW846 8260A**
Chloroform	ND	31	ug/L	SW846 8260A
1,2-Dichloroethane	ND	31	ug/L	SW846 8260A
2-Butanone	ND	310	ug/L	SW846 8260A
1,1,1-Trichloroethane	**400**	**31**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	31	ug/L	SW846 8260A
Bromodichloromethane	ND	31	ug/L	SW846 8260A
1,2-Dichloropropane	ND	31	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	31	ug/L	SW846 8260A
Trichloroethene	**960**	**31**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	31	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	31	ug/L	SW846 8260A
Benzene	ND	31	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	31	ug/L	SW846 8260A
Bromoform	ND	31	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	310	ug/L	SW846 8260A
2-Hexanone	ND	310	ug/L	SW846 8260A
Tetrachloroethene	**710**	**31**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	31	ug/L	SW846 8260A
Toluene	ND	31	ug/L	SW846 8260A
Chlorobenzene	ND	31	ug/L	SW846 8260A
Ethylbenzene	ND	31	ug/L	SW846 8260A
Styrene	ND	31	ug/L	SW846 8260A
Xylenes (total)	ND	31	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

QUALITY CONTROL SECTION

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

Quanterra® Incorporated conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. Quanterra requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). Failure of the RPDs to fall within the laboratory-generated acceptance windows requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the MS/MSD RPDs are within acceptance criteria, the batch is acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

* *for analyses run on TJA Trace ICP or GFAA only*

METHOD BLANK (continued)

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. The listed metals may be present in concentrations up to 2 times the reporting limit or must be twenty fold less than the results of the environmental samples. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. When these values fail to meet acceptance criteria, the data is reviewed to determine the cause. If, in the analyst's judgment, sample matrix effects are indicated, no corrective action is performed. Otherwise, the MS/MSD and the environmental sample used to prepare them are reprepared and reanalyzed.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

The acceptance criteria do not apply to samples that are diluted. If the dilution is more than 5X, the recoveries will be reported as diluted out. All other surrogate recoveries will be reported. If the LCS, LCSD, or the Method Blank surrogates fail to meet recovery criteria (exception for dilutions), the entire batch of samples is reprepared and reanalyzed.

If the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch may be acceptable based on the analyst's judgment that sample matrix effects are indicated.

For the GC/MS BNA methods, the surrogate criteria is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, TPH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3HN102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A260000-197
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	94	(87 - 113)	SW846 8260A
Trichloroethene	95	(89 - 115)	SW846 8260A
Chlorobenzene	100	(89 - 119)	SW846 8260A
Toluene	100	(81 - 117)	SW846 8260A
Benzene	97	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	102	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3N9102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-126
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	95	(87 - 113)	SW846 8260A
Trichloroethene	100	(89 - 115)	SW846 8260A
Chlorobenzene	101	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	103	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3WL102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-198
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	108	(87 - 113)	SW846 8260A
Trichloroethene	99	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	100	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF457102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A280000-118
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	97	(87 - 113)	SW846 8260A
Trichloroethene	103	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	101	(81 - 117)	SW846 8260A
Benzene	102	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF4M8102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A290000-121
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	98	(87 - 113)	SW846 8260A
Trichloroethene	102	(89 - 115)	SW846 8260A
Chlorobenzene	103	(89 - 119)	SW846 8260A
Toluene	104	(81 - 117)	SW846 8260A
Benzene	105	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	108	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3HN101 **Matrix.....:** WATER
MB Lot-Sample #: A8A260000-197

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	99	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3N9101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-126

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	106	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3WL101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-198

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	100	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF457101 **Matrix.....:** WATER
MB Lot-Sample #: A8A280000-118

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8028118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF4M8101 **Matrix.....:** WATER
MB Lot-Sample #: A8A290000-121

Prep Date.....: 01/28/98
Analysis Date..: 01/28/98 **Prep Batch #...:** 8029121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF19R107-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A210132-002 CF19R108-MSD
Date Sampled...: 01/20/98 13:00 **Date Received..:** 01/21/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 16.66

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	91	(75 - 113)			SW846 8260A
	92	(75 - 113)	1.3	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	100	(71 - 110)	1.1	(0-22)	SW846 8260A
Chlorobenzene	100	(81 - 115)			SW846 8260A
	98	(81 - 115)	2.7	(0-18)	SW846 8260A
Toluene	98	(78 - 126)			SW846 8260A
	92	(78 - 126)	4.7	(0-24)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	97	(78 - 117)	1.9	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(87 - 114)
	93	(87 - 114)
1,2-Dichloroethane-d4	105	(69 - 127)
	105	(69 - 127)
Toluene-d8	96	(90 - 112)
	95	(90 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2AJ102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230102-004 CF2AJ103-MSD
Date Sampled...: 01/20/98 14:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	87	(75 - 113)			SW846 8260A
	98	(75 - 113)	12	(0-20)	SW846 8260A
Trichloroethene	96	(71 - 110)			SW846 8260A
	108	(71 - 110)	7.6	(0-22)	SW846 8260A
Chlorobenzene	91	(81 - 115)			SW846 8260A
	101	(81 - 115)	10	(0-18)	SW846 8260A
Toluene	87	(78 - 126)			SW846 8260A
	97	(78 - 126)	11	(0-24)	SW846 8260A
Benzene	93	(78 - 117)			SW846 8260A
	103	(78 - 117)	11	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	108	(69 - 127)
Toluene-d8	92	(90 - 112)
	93	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2D8102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-016 CF2D8103-MSD
Date Sampled...: 01/21/98 16:24 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2.5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	89	(75 - 113)			SW846 8260A
	90	(75 - 113)	1.0	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	99	(71 - 110)	1.2	(0-22)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	101	(78 - 117)	1.6	(0-17)	SW846 8260A
Toluene	102	(78 - 126)			SW846 8260A
	101	(78 - 126)	0.86	(0-24)	SW846 8260A
Chlorobenzene	101	(81 - 115)			SW846 8260A
	103	(81 - 115)	2.0	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(69 - 127)
	101	(69 - 127)
Toluene-d8	100	(90 - 112)
	99	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	104	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2D3102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-014 CF2D3103-MSD
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(75 - 113)			SW846 8260A
	94	(75 - 113)	6.6	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	100	(71 - 110)	6.1	(0-22)	SW846 8260A
Benzene	89	(78 - 117)			SW846 8260A
	97	(78 - 117)	9.0	(0-17)	SW846 8260A
Toluene	83	(78 - 126)			SW846 8260A
	89	(78 - 126)	7.4	(0-24)	SW846 8260A
Chlorobenzene	87	(81 - 115)			SW846 8260A
	94	(81 - 115)	7.2	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	109	(69 - 127)
Toluene-d8	93	(90 - 112)
	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)
	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2M7102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230137-012 CF2M7103-MSD
Date Sampled...: 01/22/98 11:33 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 250

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	95	(75 - 113)			SW846 8260A
	100	(75 - 113)	5.4	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	128 a	(71 - 110)	8.6	(0-22)	SW846 8260A
Chlorobenzene	93	(81 - 115)			SW846 8260A
	102	(81 - 115)	8.7	(0-18)	SW846 8260A
Toluene	91	(78 - 126)			SW846 8260A
	100	(78 - 126)	8.9	(0-24)	SW846 8260A
Benzene	95	(78 - 117)			SW846 8260A
	103	(78 - 117)	7.9	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
	105	(69 - 127)
Toluene-d8	95	(90 - 112)
	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)
	104	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

CHRYSLER CORPORATION

Chain-of-Custody

00588 A

(3Chry4/Dayton)

CompuChem
501 Madison Avenue
Cary, NC 27513
Phone Number: 1-800-833-5097
Fax Number: (919) 379-4050

Project Name: Dayton Thermal
Site Location: Dayton, Ohio
Site Code: 9CC01
RFA Number: YGQP980203-T
Chrysler PM: GARY STANCZUK

Consultant: Leggette Brashears & Graham
Address: 1210 West County Rd E Ste 700 St. Paul MN 55112
Consultant PM: Ken Vogel
Phone: 612-490-2405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify) D.I. H_2O from LAB

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs 8260 - 40ml glass - HCL	Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
MW-11S	1/21/98	13:45	G	GW	3	X					
PZ-13I	↓	14:27	G	GW	3	X					
MWA-5		14:30	G	GW	3	X					
MWA-1		14:55	G	GW	3	X					
PZ-17I		15:41	G	GW	3	X					
PZ-17D	↓	16:24	G	GW	3	X					
FIELD BLANK	↓	09:15	G	O	3	X					
TRIP BLANK				O	1	X					
PZ-13I DUP	1/21/98	14:27	G	GW	3	X					

Lab Use Only

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # 82

Is RFA sampling complete? Yes No

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051090

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark R. Hemstreet	1/21/98	18:20				Yes No
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by: Jami Stephens	Date: 1-22-98	Time: 9:40	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SOG 203B IS COMPLETE, PROCEED WITH ANALYSIS.

CHRYSLER CORPORATION

Chain-of-Custody

00587 A

(3Chry4/Dayton)

CompuChem
501 Madison Avenue
Cary, NC 27513
Phone Number: 1-800-833-5097
Fax Number: (919) 379-4050

Project Name: Dayton Thermal
Site Location: Dayton, Ohio
Site Code: SC001
RFA Number: YGQP98CO203-T
Chrysler PM: GARY STANCZUK

Consultant: Leggette, Brashears & Graham
Address: 1210 West County Rd E Ste 700, St. Paul, MN 55112
Consultant PM: Ken Losel
Phone: 612-490-1405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Lab Use Only

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 40ml glass - HCL	Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other ___	Remarks
MWB-5	1/21/98	9:20	G	GW	3	X					
MW-7S	↓	9:40	G	GW	3	X					
PZ-7I		10:00	G	GW	3	X					
MW-15S		10:45	G	GW	3	X					
PZ-15I		10:50	G	GW	3	X					
PZ-12D		11:40	G	GW	3	X					
MWA-6		11:40	G	GW	3	X					
PZ-12I		11:47	G	GW	3	X					
MWC-3		13:30	G	GW	3	X					
MWB-3	↓	13:35	G	GW	3	X					

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # 82

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051090

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark R. Hemstreet	1/21/98	18:20				Yes No
						Yes No
			Received for Laboratory by: Jami Stephens	1.22.98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

SDG 203B IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No. 1

Quanterra

Quanterra Inc - North Canton OH
4101 Shuffel Drive NW
North Canton,OH 44720
Tel 330 497-9396
Fax 330 497-0772 FAX

Number: 24055720
Date: 04 FEB 98
Quanterra Project Number: A8A230105
Customer Number: 00389976
Terms: NET 30 DAYS

REMIT TO:
Quanterra Incorporated
P.O. Box 98301
Chicago, IL 60693-8301

Customer Contact:
SAMPLE RECEIVING DATE : 1/22/98
REPORT DATE : 2/04/98
Cathy Dover

Bill To:
Accounts Payable/Cathy Dover
CompuChem Environmental
a division of Liberty Analytical Co
501 Madison Ave
Cary,NC 27513

CompuChem Environmental
a division of Liberty Analytical Corp
501 Madison Ave
Cary,NC 27513

Line No	Qty	Matrix Code	Analysis Description	Unit Price	Extended Price
19		WATER	8260A, Volatile Organics - TCL	105.00	1,995.00

NOTE: **Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.**

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference:
YGQP9800203-T/DAYTON THERMAL

Quanterra Project Manager: Jeffrey C. Smith
Salesperson: BUZ

Sub Total
Tax 1,995.00
Total

P R O J E C T F I L E C O P Y

Federal Tax ID # 84-1

Quanterra Incorporated
4101 Shuffel Drive, NW
North Canton, Ohio 44720

330 497-9396 Telephone
330 497-0772 Fax

Quanterra
Environmental Services

ANALYTICAL REPORT

PROJECT NO. YGQP9800203-T

DAYTON THERMAL

Lot #: A8A230105

Cathy Dover

CompuChem Environmental

QUANTERRA INCORPORATED

Jeffrey C. Smith
Project Manager

February 4, 1998

CASE NARRATIVE

The following report contains the analytical results for nineteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 22, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Samples were received at the laboratory at a temperature of 1.1° C.

One 40ml Volatile vial for sample Trip Blank was received with headspace.

GC/MS VOLATILES

The pH of samples MW-7S, PZ-7I, MW-15S, MW-11S and PZ-17D were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

The matrix spike/matrix spike duplicate associated with batch 8029121 failed recovery criteria. The laboratory control sample associated with this batch was in control. This is believed to be a matrix effect; therefore, no further corrective action was taken.

ANALYTICAL METHODS SUMMARY

A8A230105

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8A230105

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CF2CG	001	MWB-5	01/21/98	09:20
CF2CJ	002	MW-7S	01/21/98	09:40
CF2CK	003	PZ-7I	01/21/98	10:00
CF2CL	004	MW-15S	01/21/98	10:45
CF2CM	005	PZ-15I	01/21/98	10:50
CF2CN	006	PZ-12D	01/21/98	11:40
CF2CP	007	MWA-6	01/21/98	11:40
CF2CQ	008	PZ-12I	01/21/98	11:47
CF2CR	009	MWC-3	01/21/98	13:30
CF2CT	010	MWB-3	01/21/98	13:35
CF2CW	011	MW-11S	01/21/98	13:45
CF2D1	012	PZ-13I	01/21/98	14:27
CF2D2	013	MWA-5	01/21/98	14:30
CF2D3	014	MWA-1	01/21/98	14:55
CF2D4	015	PZ-17I	01/21/98	15:41
CF2D8	016	PZ-17D	01/21/98	16:24
CF2DA	017	FIELD BLANK	01/21/98	09:15
CF2DE	018	TRIP BLANK	01/21/98	00:00
CF2DG	019	PZ-13IDUP	01/21/98	14:27

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-5

GC/MS Volatiles

Lot-Sample #...: A8A230105-001 **Work Order #...:** CF2CG101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 09:20 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**1.1**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**8.5**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-7S

GC/MS Volatiles

Lot-Sample #...: A8A230105-002 **Work Order #...:** CF2CJ101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 09:40 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	4.0	ug/L	SW846 8260A
Bromomethane	ND	4.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	4.0	ug/L	SW846 8260A
Methylene chloride	ND	2.0	ug/L	SW846 8260A
Acetone	ND	20	ug/L	SW846 8260A
Carbon disulfide	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**2.6**	**2.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	2.0	ug/L	SW846 8260A
2-Butanone	ND	20	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	2.0	ug/L	SW846 8260A
Bromodichloromethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	2.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Trichloroethene	**70**	**2.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	2.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Benzene	ND	2.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Bromoform	ND	2.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/L	SW846 8260A
2-Hexanone	ND	20	ug/L	SW846 8260A
Tetrachloroethene	ND	2.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	SW846 8260A
Toluene	ND	2.0	ug/L	SW846 8260A
Chlorobenzene	ND	2.0	ug/L	SW846 8260A
Ethylbenzene	ND	2.0	ug/L	SW846 8260A
Styrene	ND	2.0	ug/L	SW846 8260A
Xylenes (total)	ND	2.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-7I

GC/MS Volatiles

Lot-Sample #...: A8A230105-003 **Work Order #...:** CF2CK101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 10:00 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**4.5**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**1.8**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	**1.2**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-15S

GC/MS Volatiles

Lot-Sample #...: A8A230105-004 **Work Order #...:** CF2CL101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 10:45 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	**120**	**5.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	93	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-15I

GC/MS Volatiles

Lot-Sample #...: A8A230105-005 **Work Order #...:** CF2CM101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 10:50 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	**4.9**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**2.0**	**1.0**	**ug/L**	**SW846 8260A**
Chloroform	**1.3**	**1.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	**8.5**	**1.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**16**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	**33**	**1.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-12D

GC/MS Volatiles

Lot-Sample #...: A8A230105-006 **Work Order #...:** CF2CN101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 11:40 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	20	ug/L	SW846 8260A
Bromomethane	ND	20	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	20	ug/L	SW846 8260A
Methylene chloride	ND	10	ug/L	SW846 8260A
Acetone	ND	100	ug/L	SW846 8260A
Carbon disulfide	ND	10	ug/L	SW846 8260A
1,1-Dichloroethene	ND	10	ug/L	SW846 8260A
1,1-Dichloroethane	ND	10	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**72**	**10**	**ug/L**	**SW846 8260A**
Chloroform	ND	10	ug/L	SW846 8260A
1,2-Dichloroethane	ND	10	ug/L	SW846 8260A
2-Butanone	ND	100	ug/L	SW846 8260A
1,1,1-Trichloroethane	**67**	**10**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	10	ug/L	SW846 8260A
Bromodichloromethane	ND	10	ug/L	SW846 8260A
1,2-Dichloropropane	ND	10	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Trichloroethene	**270**	**10**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	10	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	10	ug/L	SW846 8260A
Benzene	ND	10	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Bromoform	ND	10	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	100	ug/L	SW846 8260A
2-Hexanone	ND	100	ug/L	SW846 8260A
Tetrachloroethene	ND	10	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	10	ug/L	SW846 8260A
Toluene	ND	10	ug/L	SW846 8260A
Chlorobenzene	ND	10	ug/L	SW846 8260A
Ethylbenzene	ND	10	ug/L	SW846 8260A
Styrene	ND	10	ug/L	SW846 8260A
Xylenes (total)	ND	10	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-6

GC/MS Volatiles

Lot-Sample #...: A8A230105-007 **Work Order #...:** CF2CP101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 11:40 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	ND	50	ug/L	SW846 8260A
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	ND	50	ug/L	SW846 8260A
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**72**	**50**	**ug/L**	**SW846 8260A**
Chloroform	ND	50	ug/L	SW846 8260A
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	500	ug/L	SW846 8260A
1,1,1-Trichloroethane	**180**	**50**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	**1600**	**50**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	ND	50	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	500	ug/L	SW846 8260A
2-Hexanone	ND	500	ug/L	SW846 8260A
Tetrachloroethene	ND	50	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	ND	50	ug/L	SW846 8260A
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	ND	50	ug/L	SW846 8260A
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	ND	50	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-12I

GC/MS Volatiles

Lot-Sample #...: A8A230105-008 **Work Order #...:** CF2CQ101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 11:47 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 12.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	25	ug/L	SW846 8260A
Bromomethane	ND	25	ug/L	SW846 8260A
Vinyl chloride	ND	12	ug/L	SW846 8260A
Chloroethane	ND	25	ug/L	SW846 8260A
Methylene chloride	ND	12	ug/L	SW846 8260A
Acetone	ND	120	ug/L	SW846 8260A
Carbon disulfide	ND	12	ug/L	SW846 8260A
1,1-Dichloroethene	ND	12	ug/L	SW846 8260A
1,1-Dichloroethane	ND	12	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**210**	**12**	**ug/L**	**SW846 8260A**
Chloroform	ND	12	ug/L	SW846 8260A
1,2-Dichloroethane	ND	12	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	**69**	**12**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	12	ug/L	SW846 8260A
Bromodichloromethane	ND	12	ug/L	SW846 8260A
1,2-Dichloropropane	ND	12	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	12	ug/L	SW846 8260A
Trichloroethene	**310**	**12**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	12	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	12	ug/L	SW846 8260A
Benzene	ND	12	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	12	ug/L	SW846 8260A
Bromoform	ND	12	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	12	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	12	ug/L	SW846 8260A
Toluene	ND	12	ug/L	SW846 8260A
Chlorobenzene	ND	12	ug/L	SW846 8260A
Ethylbenzene	ND	12	ug/L	SW846 8260A
Styrene	ND	12	ug/L	SW846 8260A
Xylenes (total)	ND	12	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWC-3

GC/MS Volatiles

Lot-Sample #...: A8A230105-009 **Work Order #...:** CF2CR101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 13:30 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	**3.7**	**1.0**	**ug/L**	**SW846 8260A**
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	**5.7**	**1.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-3

GC/MS Volatiles

Lot-Sample #...: A8A230105-010 **Work Order #...:** CF2CT101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 13:35 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 16.66

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	33	ug/L	SW846 8260A
Bromomethane	ND	33	ug/L	SW846 8260A
Vinyl chloride	ND	17	ug/L	SW846 8260A
Chloroethane	ND	33	ug/L	SW846 8260A
Methylene chloride	ND	17	ug/L	SW846 8260A
Acetone	ND	170	ug/L	SW846 8260A
Carbon disulfide	ND	17	ug/L	SW846 8260A
1,1-Dichloroethene	ND	17	ug/L	SW846 8260A
1,1-Dichloroethane	ND	17	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**110**	**17**	**ug/L**	**SW846 8260A**
Chloroform	ND	17	ug/L	SW846 8260A
1,2-Dichloroethane	ND	17	ug/L	SW846 8260A
2-Butanone	ND	170	ug/L	SW846 8260A
1,1,1-Trichloroethane	**59**	**17**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	17	ug/L	SW846 8260A
Bromodichloromethane	ND	17	ug/L	SW846 8260A
1,2-Dichloropropane	ND	17	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	17	ug/L	SW846 8260A
Trichloroethene	**380**	**17**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	17	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	17	ug/L	SW846 8260A
Benzene	ND	17	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	17	ug/L	SW846 8260A
Bromoform	ND	17	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	170	ug/L	SW846 8260A
2-Hexanone	ND	170	ug/L	SW846 8260A
Tetrachloroethene	ND	17	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	17	ug/L	SW846 8260A
Toluene	ND	17	ug/L	SW846 8260A
Chlorobenzene	ND	17	ug/L	SW846 8260A
Ethylbenzene	ND	17	ug/L	SW846 8260A
Styrene	ND	17	ug/L	SW846 8260A
Xylenes (total)	ND	17	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-11S

GC/MS Volatiles

Lot-Sample #...: A8A230105-011 **Work Order #...:** CF2CW101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 13:45 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 71.42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	140	ug/L	SW846 8260A
Bromomethane	ND	140	ug/L	SW846 8260A
Vinyl chloride	ND	71	ug/L	SW846 8260A
Chloroethane	ND	140	ug/L	SW846 8260A
Methylene chloride	ND	71	ug/L	SW846 8260A
Acetone	ND	710	ug/L	SW846 8260A
Carbon disulfide	ND	71	ug/L	SW846 8260A
1,1-Dichloroethene	ND	71	ug/L	SW846 8260A
1,1-Dichloroethane	ND	71	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**380**	**71**	**ug/L**	**SW846 8260A**
Chloroform	ND	71	ug/L	SW846 8260A
1,2-Dichloroethane	ND	71	ug/L	SW846 8260A
2-Butanone	ND	710	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	71	ug/L	SW846 8260A
Carbon tetrachloride	ND	71	ug/L	SW846 8260A
Bromodichloromethane	ND	71	ug/L	SW846 8260A
1,2-Dichloropropane	ND	71	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Trichloroethene	**2200**	**71**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	71	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	71	ug/L	SW846 8260A
Benzene	ND	71	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Bromoform	ND	71	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	710	ug/L	SW846 8260A
2-Hexanone	ND	710	ug/L	SW846 8260A
Tetrachloroethene	ND	71	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	71	ug/L	SW846 8260A
Toluene	ND	71	ug/L	SW846 8260A
Chlorobenzene	ND	71	ug/L	SW846 8260A
Ethylbenzene	ND	71	ug/L	SW846 8260A
Styrene	ND	71	ug/L	SW846 8260A
Xylenes (total)	ND	71	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	108	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-13I

GC/MS Volatiles

Lot-Sample #...: A8A230105-012 **Work Order #...:** CF2D1101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:27 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	ND	50	ug/L	SW846 8260A
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	ND	50	ug/L	SW846 8260A
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**300**	**50**	**ug/L**	**SW846 8260A**
Chloroform	ND	50	ug/L	SW846 8260A
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	500	ug/L	SW846 8260A
1,1,1-Trichloroethane	**410**	**50**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	**1000**	**50**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	ND	50	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	500	ug/L	SW846 8260A
2-Hexanone	ND	500	ug/L	SW846 8260A
Tetrachloroethene	**770**	**50**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	ND	50	ug/L	SW846 8260A
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	ND	50	ug/L	SW846 8260A
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	ND	50	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	101	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-5

GC/MS Volatiles

Lot-Sample #...: A8A230105-013 **Work Order #...:** CF2D2101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:30 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	**400**	**100**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**130**	**100**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**170**	**100**	**ug/L**	**SW846 8260A**
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	**2900**	**100**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**2100**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	ND	100	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	101	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-1

GC/MS Volatiles

Lot-Sample #...: A8A230105-014 **Work Order #...:** CF2D3101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	67	ug/L	SW846 8260A
Bromomethane	ND	67	ug/L	SW846 8260A
Vinyl chloride	ND	33	ug/L	SW846 8260A
Chloroethane	ND	67	ug/L	SW846 8260A
Methylene chloride	ND	33	ug/L	SW846 8260A
Acetone	ND	330	ug/L	SW846 8260A
Carbon disulfide	ND	33	ug/L	SW846 8260A
1,1-Dichloroethene	ND	33	ug/L	SW846 8260A
1,1-Dichloroethane	**66**	**33**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**130**	**33**	**ug/L**	**SW846 8260A**
Chloroform	ND	33	ug/L	SW846 8260A
1,2-Dichloroethane	ND	33	ug/L	SW846 8260A
2-Butanone	ND	330	ug/L	SW846 8260A
1,1,1-Trichloroethane	**420**	**33**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	33	ug/L	SW846 8260A
Bromodichloromethane	ND	33	ug/L	SW846 8260A
1,2-Dichloropropane	ND	33	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Trichloroethene	**150**	**33**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	33	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	33	ug/L	SW846 8260A
Benzene	ND	33	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Bromoform	ND	33	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	330	ug/L	SW846 8260A
2-Hexanone	ND	330	ug/L	SW846 8260A
Tetrachloroethene	**700**	**33**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	33	ug/L	SW846 8260A
Toluene	ND	33	ug/L	SW846 8260A
Chlorobenzene	ND	33	ug/L	SW846 8260A
Ethylbenzene	ND	33	ug/L	SW846 8260A
Styrene	ND	33	ug/L	SW846 8260A
Xylenes (total)	ND	33	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-17I

GC/MS Volatiles

Lot-Sample #...: A8A230105-015 **Work Order #...:** CF2D4101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 15:41 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 71.42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	140	ug/L	SW846 8260A
Bromomethane	ND	140	ug/L	SW846 8260A
Vinyl chloride	ND	71	ug/L	SW846 8260A
Chloroethane	ND	140	ug/L	SW846 8260A
Methylene chloride	ND	71	ug/L	SW846 8260A
Acetone	ND	710	ug/L	SW846 8260A
Carbon disulfide	ND	71	ug/L	SW846 8260A
1,1-Dichloroethene	ND	71	ug/L	SW846 8260A
1,1-Dichloroethane	ND	71	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	71	ug/L	SW846 8260A
Chloroform	ND	71	ug/L	SW846 8260A
1,2-Dichloroethane	ND	71	ug/L	SW846 8260A
2-Butanone	ND	710	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	71	ug/L	SW846 8260A
Carbon tetrachloride	ND	71	ug/L	SW846 8260A
Bromodichloromethane	ND	71	ug/L	SW846 8260A
1,2-Dichloropropane	ND	71	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Trichloroethene	ND	71	ug/L	SW846 8260A
Dibromochloromethane	ND	71	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	71	ug/L	SW846 8260A
Benzene	ND	71	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Bromoform	ND	71	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	710	ug/L	SW846 8260A
2-Hexanone	ND	710	ug/L	SW846 8260A
Tetrachloroethene	**1600**	**71**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	71	ug/L	SW846 8260A
Toluene	ND	71	ug/L	SW846 8260A
Chlorobenzene	ND	71	ug/L	SW846 8260A
Ethylbenzene	ND	71	ug/L	SW846 8260A
Styrene	ND	71	ug/L	SW846 8260A
Xylenes (total)	ND	71	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	104	(90 - 112)
Bromofluorobenzene	96	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-17D

GC/MS Volatiles

Lot-Sample #...: A8A230105-016 **Work Order #...:** CF2D8101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 16:24 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	5.0	ug/L	SW846 8260A
Bromomethane	ND	5.0	ug/L	SW846 8260A
Vinyl chloride	**10**	**2.5**	**ug/L**	**SW846 8260A**
Chloroethane	ND	5.0	ug/L	SW846 8260A
Methylene chloride	ND	2.5	ug/L	SW846 8260A
Acetone	ND	25	ug/L	SW846 8260A
Carbon disulfide	ND	2.5	ug/L	SW846 8260A
1,1-Dichloroethene	ND	2.5	ug/L	SW846 8260A
1,1-Dichloroethane	**4.5**	**2.5**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**3.5**	**2.5**	**ug/L**	**SW846 8260A**
Chloroform	ND	2.5	ug/L	SW846 8260A
1,2-Dichloroethane	ND	2.5	ug/L	SW846 8260A
2-Butanone	ND	25	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	2.5	ug/L	SW846 8260A
Carbon tetrachloride	ND	2.5	ug/L	SW846 8260A
Bromodichloromethane	ND	2.5	ug/L	SW846 8260A
1,2-Dichloropropane	ND	2.5	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	2.5	ug/L	SW846 8260A
Trichloroethene	**8.0**	**2.5**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	2.5	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	2.5	ug/L	SW846 8260A
Benzene	ND	2.5	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	2.5	ug/L	SW846 8260A
Bromoform	ND	2.5	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A
2-Hexanone	ND	25	ug/L	SW846 8260A
Tetrachloroethene	**67**	**2.5**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	SW846 8260A
Toluene	ND	2.5	ug/L	SW846 8260A
Chlorobenzene	ND	2.5	ug/L	SW846 8260A
Ethylbenzene	ND	2.5	ug/L	SW846 8260A
Styrene	ND	2.5	ug/L	SW846 8260A
Xylenes (total)	ND	2.5	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(69 - 127)
Toluene-d8	103	(90 - 112)
Bromofluorobenzene	100	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230105-017 **Work Order #...:** CF2DA101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 09:15 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(69 - 127)
Toluene-d8	104	(90 - 112)
Bromofluorobenzene	97	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230105-018 **Work Order #...:** CF2DE101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 00:00 **Date Received..:** 01/22/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1.42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.8	ug/L	SW846 8260A
Bromomethane	ND	2.8	ug/L	SW846 8260A
Vinyl chloride	ND	1.4	ug/L	SW846 8260A
Chloroethane	ND	2.8	ug/L	SW846 8260A
Methylene chloride	ND	1.4	ug/L	SW846 8260A
Acetone	ND	14	ug/L	SW846 8260A
Carbon disulfide	ND	1.4	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.4	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.4	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.4	ug/L	SW846 8260A
Chloroform	ND	1.4	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.4	ug/L	SW846 8260A
2-Butanone	ND	14	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.4	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.4	ug/L	SW846 8260A
Bromodichloromethane	ND	1.4	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.4	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.4	ug/L	SW846 8260A
Trichloroethene	ND	1.4	ug/L	SW846 8260A
Dibromochloromethane	ND	1.4	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.4	ug/L	SW846 8260A
Benzene	ND	1.4	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.4	ug/L	SW846 8260A
Bromoform	ND	1.4	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	14	ug/L	SW846 8260A
2-Hexanone	ND	14	ug/L	SW846 8260A
Tetrachloroethene	ND	1.4	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.4	ug/L	SW846 8260A
Toluene	ND	1.4	ug/L	SW846 8260A
Chlorobenzene	ND	1.4	ug/L	SW846 8260A
Ethylbenzene	ND	1.4	ug/L	SW846 8260A
Styrene	ND	1.4	ug/L	SW846 8260A
Xylenes (total)	ND	1.4	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-13IDUP

GC/MS Volatiles

Lot-Sample #...: A8A230105-019 **Work Order #...:** CF2DG101 **Matrix.....:** WATER
Date Sampled...: 01/21/98 14:27 **Date Received..:** 01/22/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 31.25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	62	ug/L	SW846 8260A
Bromomethane	ND	62	ug/L	SW846 8260A
Vinyl chloride	ND	31	ug/L	SW846 8260A
Chloroethane	ND	62	ug/L	SW846 8260A
Methylene chloride	ND	31	ug/L	SW846 8260A
Acetone	ND	310	ug/L	SW846 8260A
Carbon disulfide	ND	31	ug/L	SW846 8260A
1,1-Dichloroethene	**43**	**31**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**31**	**31**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**290**	**31**	**ug/L**	**SW846 8260A**
Chloroform	ND	31	ug/L	SW846 8260A
1,2-Dichloroethane	ND	31	ug/L	SW846 8260A
2-Butanone	ND	310	ug/L	SW846 8260A
1,1,1-Trichloroethane	**400**	**31**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	31	ug/L	SW846 8260A
Bromodichloromethane	ND	31	ug/L	SW846 8260A
1,2-Dichloropropane	ND	31	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	31	ug/L	SW846 8260A
Trichloroethene	**960**	**31**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	31	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	31	ug/L	SW846 8260A
Benzene	ND	31	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	31	ug/L	SW846 8260A
Bromoform	ND	31	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	310	ug/L	SW846 8260A
2-Hexanone	ND	310	ug/L	SW846 8260A
Tetrachloroethene	**710**	**31**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	31	ug/L	SW846 8260A
Toluene	ND	31	ug/L	SW846 8260A
Chlorobenzene	ND	31	ug/L	SW846 8260A
Ethylbenzene	ND	31	ug/L	SW846 8260A
Styrene	ND	31	ug/L	SW846 8260A
Xylenes (total)	ND	31	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

QUALITY CONTROL SECTION

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

Quanterra® Incorporated conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. Quanterra requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). Failure of the RPDs to fall within the laboratory-generated acceptance windows requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the MS/MSD RPDs are within acceptance criteria, the batch is acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

** for analyses run on TJA Trace ICP or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (continued)

METHOD BLANK (continued)

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. The listed metals may be present in concentrations up to 2 times the reporting limit or must be twenty fold less than the results of the environmental samples. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. When these values fail to meet acceptance criteria, the data is reviewed to determine the cause. If, in the analyst's judgment, sample matrix effects are indicated, no corrective action is performed. Otherwise, the MS/MSD and the environmental sample used to prepare them are reprepared and reanalyzed.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

The acceptance criteria do not apply to samples that are diluted. If the dilution is more than 5X, the recoveries will be reported as diluted out. All other surrogate recoveries will be reported. If the LCS, LCSD, or the Method Blank surrogates fail to meet recovery criteria (exception for dilutions), the entire batch of samples is reprepared and reanalyzed.

If the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch may be acceptable based on the analyst's judgment that sample matrix effects are indicated.

For the GC/MS BNA methods, the surrogate criteria is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, TPH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3HN102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A260000-197
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	94	(87 - 113)	SW846 8260A
Trichloroethene	95	(89 - 115)	SW846 8260A
Chlorobenzene	100	(89 - 119)	SW846 8260A
Toluene	100	(81 - 117)	SW846 8260A
Benzene	97	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	102	(90 - 112)
Bromofluorobenzene	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3N9102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-126
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	95	(87 - 113)	SW846 8260A
Trichloroethene	100	(89 - 115)	SW846 8260A
Chlorobenzene	101	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	103	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3WL102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-198
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	108	(87 - 113)	SW846 8260A
Trichloroethene	99	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	100	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF457102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A280000-118
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	97	(87 - 113)	SW846 8260A
Trichloroethene	103	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	101	(81 - 117)	SW846 8260A
Benzene	102	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF4M8102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A290000-121
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	98	(87 - 113)	SW846 8260A
Trichloroethene	102	(89 - 115)	SW846 8260A
Chlorobenzene	103	(89 - 119)	SW846 8260A
Toluene	104	(81 - 117)	SW846 8260A
Benzene	105	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	108	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3HN101 **Matrix.....:** WATER
MB Lot-Sample #: A8A260000-197

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8026197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	99	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3N9101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-126

Prep Date.....: 01/26/98
Analysis Date..: 01/26/98 **Prep Batch #...:** 8027126
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	106	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF3WL101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-198

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	100	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF457101 **Matrix.....:** WATER
MB Lot-Sample #: A8A280000-118

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8028118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF4M8101 **Matrix.....:** WATER
MB Lot-Sample #: A8A290000-121

Prep Date.....: 01/28/98
Analysis Date..: 01/28/98 **Prep Batch #...:** 8029121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF19R107-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A210132-002 CF19R108-MSD
Date Sampled...: 01/20/98 13:00 **Date Received..:** 01/21/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8026197
Dilution Factor: 16.66

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	91	(75 - 113)			SW846 8260A
	92	(75 - 113)	1.3	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	100	(71 - 110)	1.1	(0-22)	SW846 8260A
Chlorobenzene	100	(81 - 115)			SW846 8260A
	98	(81 - 115)	2.7	(0-18)	SW846 8260A
Toluene	98	(78 - 126)			SW846 8260A
	92	(78 - 126)	4.7	(0-24)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	97	(78 - 117)	1.9	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(87 - 114)
	93	(87 - 114)
1,2-Dichloroethane-d4	105	(69 - 127)
	105	(69 - 127)
Toluene-d8	96	(90 - 112)
	95	(90 - 112)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2AJ102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230102-004 CF2AJ103-MSD
Date Sampled...: 01/20/98 14:10 **Date Received..:** 01/22/98
Prep Date.....: 01/26/98 **Analysis Date..:** 01/26/98
Prep Batch #...: 8027126
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	87	(75 - 113)			SW846 8260A
	98	(75 - 113)	12	(0-20)	SW846 8260A
Trichloroethene	96	(71 - 110)			SW846 8260A
	108	(71 - 110)	7.6	(0-22)	SW846 8260A
Chlorobenzene	91	(81 - 115)			SW846 8260A
	101	(81 - 115)	10	(0-18)	SW846 8260A
Toluene	87	(78 - 126)			SW846 8260A
	97	(78 - 126)	11	(0-24)	SW846 8260A
Benzene	93	(78 - 117)			SW846 8260A
	103	(78 - 117)	11	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	108	(69 - 127)
Toluene-d8	92	(90 - 112)
	93	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	102	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2D8102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-016 CF2D8103-MSD
Date Sampled...: 01/21/98 16:24 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2.5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	89	(75 - 113)			SW846 8260A
	90	(75 - 113)	1.0	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	99	(71 - 110)	1.2	(0-22)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	101	(78 - 117)	1.6	(0-17)	SW846 8260A
Toluene	102	(78 - 126)			SW846 8260A
	101	(78 - 126)	0.86	(0-24)	SW846 8260A
Chlorobenzene	101	(81 - 115)			SW846 8260A
	103	(81 - 115)	2.0	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(69 - 127)
	101	(69 - 127)
Toluene-d8	100	(90 - 112)
	99	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	104	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2D3102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-014 CF2D3103-MSD
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(75 - 113)			SW846 8260A
	94	(75 - 113)	6.6	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	100	(71 - 110)	6.1	(0-22)	SW846 8260A
Benzene	89	(78 - 117)			SW846 8260A
	97	(78 - 117)	9.0	(0-17)	SW846 8260A
Toluene	83	(78 - 126)			SW846 8260A
	89	(78 - 126)	7.4	(0-24)	SW846 8260A
Chlorobenzene	87	(81 - 115)			SW846 8260A
	94	(81 - 115)	7.2	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	109	(69 - 127)
Toluene-d8	93	(90 - 112)
	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)
	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230105 **Work Order #...:** CF2M7102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230137-012 CF2M7103-MSD
Date Sampled...: 01/22/98 11:33 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 250

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	95	(75 - 113)			SW846 8260A
	100	(75 - 113)	5.4	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	128 a	(71 - 110)	8.6	(0-22)	SW846 8260A
Chlorobenzene	93	(81 - 115)			SW846 8260A
	102	(81 - 115)	8.7	(0-18)	SW846 8260A
Toluene	91	(78 - 126)			SW846 8260A
	100	(78 - 126)	8.9	(0-24)	SW846 8260A
Benzene	95	(78 - 117)			SW846 8260A
	103	(78 - 117)	7.9	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
	105	(69 - 127)
Toluene-d8	95	(90 - 112)
	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)
	104	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

CHRYSLER CORPORATION

Chain-of-Custody

00588 A

(3Chry4/Dayton)

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: 1-800-833-5097 Fax Number: (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: 9C001 RFA Number: YGQP98C0203-T Chrysler PM: GARY STANCZUK	Consultant: Leggette Brashears & Graham Address: 1210 West County Rd E Ste 200 St. Paul MN 55112 Consultant PM: Ken Vogel Phone: 612-490-1405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
(10 days)
28 days

Data Package Deliverables: (circle)
(Chrysler Level 1)
Chrysler Level 2
Other (specify):

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify) D.I. H_2O FROM LAB

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 - 40ml glass - HCL	Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
MW-11S	1/21/98	13:45	G	GW	3	X					
PZ-13I		14:27	G	GW	3	X					
MWA-5		14:30	G	GW	3	X					
MWA-1		14:55	G	GW	3	X					
PZ-17I		15:41	G	GW	3	X					
PZ-17O		16:24	G	GW	3	X					
FIELD BLANK		09:15	G	O	3	X					
TRIP BLANK				O	1	X					
PZ-13I DUP	1/21/98	14:27	G	GW	3	X					

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # 82

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051090

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark P. Hemstreet	1/21/98	18:20				Yes No
						Yes No
			Received for Laboratory by: Jami Stephens	1-22-98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SDG 203B IS COMPLETE, PROCEED WITH ANALYSIS.

Revision No 1
Created September 23, 1997

CHRYSLER CORPORATION

Chain-of-Custody

00587 A

(3Chry4/Dayton)

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: 1-800-833-5097 Fax Number: (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: SC001 RFA Number: YGQ P98C0203-T Chrysler PM: GARY STANCZUK	Consultant: Langette, Brashears & Grallam Address: 1210 West County Rd E Ste 700 St Paul, MN 55112 Consultant PM: Ken Losel Phone: 612-490-2405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
(10 days)
28 days

Data Package Deliverables: (circle)
(Chrysler Level 1)
Chrysler Level 2
Other (specify):

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
GW - Groundwater
Sed. - Sediment
O - Other (specify)
SW - Surface Water
A - Air

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC8260 40mlglass - HCL									Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
MWB-5	1/21/98	9:20	G	GW	3	X													
MW-7S	↓	9:40	G	GW	3	X													
PZ-7I		10:00	G	GW	3	X													
MW-15S		10:45	G	GW	3	X													
PZ-15I		10:50	G	GW	3	X													
PZ-12D		11:40	G	GW	3	X													
MWA-6		11:40	G	GW	3	X													
PZ-12I		11:47	G	GW	3	X													
MWC-3		13:30	G	GW	3	X													
MWB-3	↓	13:35	G	GW	3	X													

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # 82

Is RFA sampling complete? Yes (No)

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051090

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark R. Hemstreet	1/21/98	18:20				Yes No
						Yes No
			Received for Laboratory by: Jarni Stephens	1.22.98	9:40	(Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SDG 203B IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No. 1
Created September 23, 1997

Quanterra

Quanterra Inc - North Canton OH
4101 Shuffel Drive NW
North Canton,OH 44720
Tel 330 497-9396
Fax 330 497-0772 FAX

Number: **24055720**
Date: 04 FEB 98
Quanterra Project Number: A8A230105
Customer Number: 00389976
Terms: NET 30 DAYS
Customer Contact:
SAMPLE RECEIVING DATE : 1/22/98
REPORT DATE : 2/04/98
Cathy Dover

REMIT TO:
Quanterra Incorporated
P.O. Box 98301
Chicago, IL 60693-8301

Bill To:
Accounts Payable/Cathy Dover
CompuChem Environmental
a division of Liberty Analytical Co
501 Madison Ave
Cary,NC 27513

CompuChem Environmental
a division of Liberty Analytical Corp
501 Madison Ave
Cary,NC 27513

Line No	Qty	Matrix Code	Analysis Description	Unit Price	Extended Price
	19	WATER	8260A, Volatile Organics - TCL	105.00	1,995.00

NOTE: **Applicable samples will be stored at no extra charge for a period of 30 days following the final report. Samples will be properly disposed of after 30 days, unless notified otherwise in writing.**

Please reference Invoice number when remitting.

Customer P.O. Number / Contract Number / Reference:
YGQP9800203-T/DAYTON THERMAL
BUZ

Quanterra Project Manager:
Jeffrey C. Smith

Supervisor:

Sub Total
Tax 1,995.00
Total

P R O J E C T F I L E C O P Y

Federal Tax I.D. # 84 1.

Rec'd Feb 3, 98

Quanterra
Environmental Services

Date: 01/29/98
Time: 20:16:48
(Mountain Time)

From: Jeff Smith
Quanterra Inc.
4101 Shuffel Drive NW
North Canton, OH 44720

voice: 330-497-9396
fax: 330-497-0772

To: Cathy Dover
CompuChem Environmental

919-3794050

ENTERED IN DATABASE
BY/DATE DNS 2/3/98
CHECKED BY KEB
DATE 2/11/98

Number of Pages
Including Cover Sheet: 20

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Quote Number :21677
Project Number :YGQP9800203-T
Project Name/Site :DAYTON THERMAL JAN 98 GW SAMPLING

This is an automated feature provided by Quanterra Environmental Services.

QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MWB-5
Sample #: 001 Date Sampled: 01/21/98 09:20 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	1.1	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	8.5	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105

Date Reported: 1/29/98

Client Sample ID: MW-7S
Sample #: 002 Date Sampled: 01/21/98 09:40 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	4.0	ug/L	SW846 8260A
Bromomethane	ND	4.0	ug/L	SW846 8260A
Vinyl chloride	ND	2.0	ug/L	SW846 8260A
Chloroethane	ND	4.0	ug/L	SW846 8260A
Methylene chloride	ND	2.0	ug/L	SW846 8260A
Acetone	ND	20	ug/L	SW846 8260A
Carbon disulfide	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	2.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	2.6	2.0	ug/L	SW846 8260A
Chloroform	ND	2.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	2.0	ug/L	SW846 8260A
2-Butanone	ND	20	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	2.0	ug/L	SW846 8260A
Bromodichloromethane	ND	2.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	2.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Trichloroethene	70	2.0	ug/L	SW846 8260A
Dibromochloromethane	ND	2.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	2.0	ug/L	SW846 8260A
Benzene	ND	2.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	2.0	ug/L	SW846 8260A
Bromoform	ND	2.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	20	ug/L	SW846 8260A
2-Hexanone	ND	20	ug/L	SW846 8260A
Tetrachloroethene	ND	2.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	SW846 8260A
Toluene	ND	2.0	ug/L	SW846 8260A
Chlorobenzene	ND	2.0	ug/L	SW846 8260A
Ethylbenzene	ND	2.0	ug/L	SW846 8260A
Styrene	ND	2.0	ug/L	SW846 8260A
Xylenes (total)	ND	2.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-7I
Sample #: 003 Date Sampled: 01/21/98 10:00 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	4.5	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	1.8	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	1.2	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MW-15S
Sample #: 004 Date Sampled: 01/21/98 10:45 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260A
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	ND	5.0	ug/L	SW846 8260A
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	120	5.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-15I
Sample #: 005 Date Sampled: 01/21/98 10:50 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	4.9	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	2.0	1.0	ug/L	SW846 8260A
Chloroform	1.3	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	8.5	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	16	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	33	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-12D
Sample #: 006 Date Sampled: 01/21/98 11:40 Date Received: 01/22/98 Matrix: WATER

Volatile Organics by GC/MS — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloromethane	ND	20	ug/L	SW846 8260A
Bromomethane	ND	20	ug/L	SW846 8260A
Vinyl chloride	ND	10	ug/L	SW846 8260A
Chloroethane	ND	20	ug/L	SW846 8260A
Methylene chloride	ND	10	ug/L	SW846 8260A
Acetone	ND	100	ug/L	SW846 8260A
Carbon disulfide	ND	10	ug/L	SW846 8260A
1,1-Dichloroethene	ND	10	ug/L	SW846 8260A
1,1-Dichloroethane	ND	10	ug/L	SW846 8260A
1,2-Dichloroethene (total)	72	10	ug/L	SW846 8260A
Chloroform	ND	10	ug/L	SW846 8260A
1,2-Dichloroethane	ND	10	ug/L	SW846 8260A
2-Butanone	ND	100	ug/L	SW846 8260A
1,1,1-Trichloroethane	67	10	ug/L	SW846 8260A
Carbon tetrachloride	ND	10	ug/L	SW846 8260A
Bromodichloromethane	ND	10	ug/L	SW846 8260A
1,2-Dichloropropane	ND	10	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Trichloroethene	270	10	ug/L	SW846 8260A
Dibromochloromethane	ND	10	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	10	ug/L	SW846 8260A
Benzene	ND	10	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	10	ug/L	SW846 8260A
Bromoform	ND	10	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	100	ug/L	SW846 8260A
2-Hexanone	ND	100	ug/L	SW846 8260A
Tetrachloroethene	ND	10	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	10	ug/L	SW846 8260A
Toluene	ND	10	ug/L	SW846 8260A
Chlorobenzene	ND	10	ug/L	SW846 8260A
Ethylbenzene	ND	10	ug/L	SW846 8260A
Styrene	ND	10	ug/L	SW846 8260A
Xylenes (total)	ND	10	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MWA-6
Sample #: 007 Date Sampled: 01/21/98 11:40 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	ND	50	ug/L	SW846 8260A
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	ND	50	ug/L	SW846 8260A
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	72	50	ug/L	SW846 8260A
Chloroform	ND	50	ug/L	SW846 8260A
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	500	ug/L	SW846 8260A
1,1,1-Trichloroethane	180	50	ug/L	SW846 8260A
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	1600	50	ug/L	SW846 8260A
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	ND	50	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	500	ug/L	SW846 8260A
2-Hexanone	ND	500	ug/L	SW846 8260A
Tetrachloroethene	ND	50	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	ND	50	ug/L	SW846 8260A
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	ND	50	ug/L	SW846 8260A
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	ND	50	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-12I
Sample #: 008 Date Sampled: 01/21/98 11:47 Date Received: 01/22/98 Matrix: WATER

Volatile Organics by GC/MS — Reviewed

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Chloromethane	ND	25	ug/L	SW846 8260A
Bromomethane	ND	25	ug/L	SW846 8260A
Vinyl chloride	ND	12	ug/L	SW846 8260A
Chloroethane	ND	25	ug/L	SW846 8260A
Methylene chloride	ND	12	ug/L	SW846 8260A
Acetone	ND	120	ug/L	SW846 8260A
Carbon disulfide	ND	12	ug/L	SW846 8260A
1,1-Dichloroethene	ND	12	ug/L	SW846 8260A
1,1-Dichloroethane	ND	12	ug/L	SW846 8260A
1,2-Dichloroethene (total)	210	12	ug/L	SW846 8260A
Chloroform	ND	12	ug/L	SW846 8260A
1,2-Dichloroethane	ND	12	ug/L	SW846 8260A
2-Butanone	ND	120	ug/L	SW846 8260A
1,1,1-Trichloroethane	69	12	ug/L	SW846 8260A
Carbon tetrachloride	ND	12	ug/L	SW846 8260A
Bromodichloromethane	ND	12	ug/L	SW846 8260A
1,2-Dichloropropane	ND	12	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	12	ug/L	SW846 8260A
Trichloroethene	310	12	ug/L	SW846 8260A
Dibromochloromethane	ND	12	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	12	ug/L	SW846 8260A
Benzene	ND	12	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	12	ug/L	SW846 8260A
Bromoform	ND	12	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	120	ug/L	SW846 8260A
2-Hexanone	ND	120	ug/L	SW846 8260A
Tetrachloroethene	ND	12	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	12	ug/L	SW846 8260A
Toluene	ND	12	ug/L	SW846 8260A
Chlorobenzene	ND	12	ug/L	SW846 8260A
Ethylbenzene	ND	12	ug/L	SW846 8260A
Styrene	ND	12	ug/L	SW846 8260A
Xylenes (total)	ND	12	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MWC-3
Sample #: 009 Date Sampled: 01/21/98 13:30 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	3.7	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	5.7	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MWB-3
Sample #: 010 Date Sampled: 01/21/98 13:35 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	33	ug/L	SW846 8260A
Bromomethane	ND	33	ug/L	SW846 8260A
Vinyl chloride	ND	17	ug/L	SW846 8260A
Chloroethane	ND	33	ug/L	SW846 8260A
Methylene chloride	ND	17	ug/L	SW846 8260A
Acetone	ND	170	ug/L	SW846 8260A
Carbon disulfide	ND	17	ug/L	SW846 8260A
1,1-Dichloroethene	ND	17	ug/L	SW846 8260A
1,1-Dichloroethane	ND	17	ug/L	SW846 8260A
1,2-Dichloroethene (total)	110	17	ug/L	SW846 8260A
Chloroform	ND	17	ug/L	SW846 8260A
1,2-Dichloroethane	ND	17	ug/L	SW846 8260A
2-Butanone	ND	170	ug/L	SW846 8260A
1,1,1-Trichloroethane	59	17	ug/L	SW846 8260A
Carbon tetrachloride	ND	17	ug/L	SW846 8260A
Bromodichloromethane	ND	17	ug/L	SW846 8260A
1,2-Dichloropropane	ND	17	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	17	ug/L	SW846 8260A
Trichloroethene	380	17	ug/L	SW846 8260A
Dibromochloromethane	ND	17	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	17	ug/L	SW846 8260A
Benzene	ND	17	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	17	ug/L	SW846 8260A
Bromoform	ND	17	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	170	ug/L	SW846 8260A
2-Hexanone	ND	170	ug/L	SW846 8260A
Tetrachloroethene	ND	17	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	17	ug/L	SW846 8260A
Toluene	ND	17	ug/L	SW846 8260A
Chlorobenzene	ND	17	ug/L	SW846 8260A
Ethylbenzene	ND	17	ug/L	SW846 8260A
Styrene	ND	17	ug/L	SW846 8260A
Xylenes (total)	ND	17	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MW-11S
Sample #: 011 Date Sampled: 01/21/98 13:45 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	140	ug/L	SW846 8260A
Bromomethane	ND	140	ug/L	SW846 8260A
Vinyl chloride	ND	71	ug/L	SW846 8260A
Chloroethane	ND	140	ug/L	SW846 8260A
Methylene chloride	ND	71	ug/L	SW846 8260A
Acetone	ND	710	ug/L	SW846 8260A
Carbon disulfide	ND	71	ug/L	SW846 8260A
1,1-Dichloroethene	ND	71	ug/L	SW846 8260A
1,1-Dichloroethane	ND	71	ug/L	SW846 8260A
1,2-Dichloroethene (total)	380	71	ug/L	SW846 8260A
Chloroform	ND	71	ug/L	SW846 8260A
1,2-Dichloroethane	ND	71	ug/L	SW846 8260A
2-Butanone	ND	710	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	71	ug/L	SW846 8260A
Carbon tetrachloride	ND	71	ug/L	SW846 8260A
Bromodichloromethane	ND	71	ug/L	SW846 8260A
1,2-Dichloropropane	ND	71	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Trichloroethene	2200	71	ug/L	SW846 8260A
Dibromochloromethane	ND	71	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	71	ug/L	SW846 8260A
Benzene	ND	71	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A
Bromoform	ND	71	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	710	ug/L	SW846 8260A
2-Hexanone	ND	710	ug/L	SW846 8260A
Tetrachloroethene	ND	71	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	71	ug/L	SW846 8260A
Toluene	ND	71	ug/L	SW846 8260A
Chlorobenzene	ND	71	ug/L	SW846 8260A
Ethylbenzene	ND	71	ug/L	SW846 8260A
Styrene	ND	71	ug/L	SW846 8260A
Xylenes (total)	ND	71	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-13I
Sample #: 012 Date Sampled: 01/21/98 14:27 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	100	ug/L	SW846 8260A
Bromomethane	ND	100	ug/L	SW846 8260A
Vinyl chloride	ND	50	ug/L	SW846 8260A
Chloroethane	ND	100	ug/L	SW846 8260A
Methylene chloride	ND	50	ug/L	SW846 8260A
Acetone	ND	500	ug/L	SW846 8260A
Carbon disulfide	ND	50	ug/L	SW846 8260A
1,1-Dichloroethene	ND	50	ug/L	SW846 8260A
1,1-Dichloroethane	ND	50	ug/L	SW846 8260A
1,2-Dichloroethene (total)	300	50	ug/L	SW846 8260A
Chloroform	ND	50	ug/L	SW846 8260A
1,2-Dichloroethane	ND	50	ug/L	SW846 8260A
2-Butanone	ND	500	ug/L	SW846 8260A
1,1,1-Trichloroethane	410	50	ug/L	SW846 8260A
Carbon tetrachloride	ND	50	ug/L	SW846 8260A
Bromodichloromethane	ND	50	ug/L	SW846 8260A
1,2-Dichloropropane	ND	50	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Trichloroethene	1000	50	ug/L	SW846 8260A
Dibromochloromethane	ND	50	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	50	ug/L	SW846 8260A
Benzene	ND	50	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	50	ug/L	SW846 8260A
Bromoform	ND	50	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	500	ug/L	SW846 8260A
2-Hexanone	ND	500	ug/L	SW846 8260A
Tetrachloroethene	770	50	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	50	ug/L	SW846 8260A
Toluene	ND	50	ug/L	SW846 8260A
Chlorobenzene	ND	50	ug/L	SW846 8260A
Ethylbenzene	ND	50	ug/L	SW846 8260A
Styrene	ND	50	ug/L	SW846 8260A
Xylenes (total)	ND	50	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9806203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MWA-5
Sample #: 013 Date Sampled: 01/21/98 14:30 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	400	100	ug/L	SW846 8260A
1,1-Dichloroethane	130	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	170	100	ug/L	SW846 8260A
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	2900	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	2100	100	ug/L	SW846 8260A
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	ND	100	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: MWA-1
Sample #: 014 Date Sampled: 01/21/98 14:55 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	67	ug/L	SW846 8260A
Bromomethane	ND	67	ug/L	SW846 8260A
Vinyl chloride	ND	33	ug/L	SW846 8260A
Chloroethane	ND	67	ug/L	SW846 8260A
Methylene chloride	ND	33	ug/L	SW846 8260A
Acetone	ND	330	ug/L	SW846 8260A
Carbon disulfide	ND	33	ug/L	SW846 8260A
1,1-Dichloroethene	ND	33	ug/L	SW846 8260A
1,1-Dichloroethane	66	33	ug/L	SW846 8260A
1,2-Dichloroethene (total)	130	33	ug/L	SW846 8260A
Chloroform	ND	33	ug/L	SW846 8260A
1,2-Dichloroethane	ND	33	ug/L	SW846 8260A
2-Butanone	ND	330	ug/L	SW846 8260A
1,1,1-Trichloroethane	420	33	ug/L	SW846 8260A
Carbon tetrachloride	ND	33	ug/L	SW846 8260A
Bromodichloromethane	ND	33	ug/L	SW846 8260A
1,2-Dichloropropane	ND	33	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Trichloroethene	150	33	ug/L	SW846 8260A
Dibromochloromethane	ND	33	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	33	ug/L	SW846 8260A
Benzene	ND	33	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	33	ug/L	SW846 8260A
Bromoform	ND	33	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	330	ug/L	SW846 8260A
2-Hexanone	ND	330	ug/L	SW846 8260A
Tetrachloroethene	700	33	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	33	ug/L	SW846 8260A
Toluene	ND	33	ug/L	SW846 8260A
Chlorobenzene	ND	33	ug/L	SW846 8260A
Ethylbenzene	ND	33	ug/L	SW846 8260A
Styrene	ND	33	ug/L	SW846 8260A
Xylenes (total)	ND	33	ug/L	SW846 8260A

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-17I
Sample #: 015 Date Sampled: 01/21/98 15:41 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	140	ug/L	SW846 8260A	
Bromomethane	ND	140	ug/L	SW846 8260A	
Vinyl chloride	ND	71	ug/L	SW846 8260A	
Chloroethane	ND	140	ug/L	SW846 8260A	
Methylene chloride	ND	71	ug/L	SW846 8260A	
Acetone	ND	710	ug/L	SW846 8260A	
Carbon disulfide	ND	71	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	71	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	71	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	ND	71	ug/L	SW846 8260A	
Chloroform	ND	71	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	71	ug/L	SW846 8260A	
2-Butanone	ND	710	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	71	ug/L	SW846 8260A	
Carbon tetrachloride	ND	71	ug/L	SW846 8260A	
Bromodichloromethane	ND	71	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	71	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A	
Trichloroethene	ND	71	ug/L	SW846 8260A	
Dibromochloromethane	ND	71	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	71	ug/L	SW846 8260A	
Benzene	ND	71	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	71	ug/L	SW846 8260A	
Bromoform	ND	71	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	710	ug/L	SW846 8260A	
2-Hexanone	ND	710	ug/L	SW846 8260A	
Tetrachloroethene	1600	71	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	71	ug/L	SW846 8260A	
Toluene	ND	71	ug/L	SW846 8260A	
Chlorobenzene	ND	71	ug/L	SW846 8260A	
Ethylbenzene	ND	71	ug/L	SW846 8260A	
Styrene	ND	71	ug/L	SW846 8260A	
Xylenes (total)	ND	71	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105

Date Reported: 1/29/98

Client Sample ID: PZ-17D
Sample #: 016 Date Sampled: 01/21/98 16:24 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	5.0	ug/L	SW846 8260A	
Bromomethane	ND	5.0	ug/L	SW846 8260A	
Vinyl chloride	10	2.5	ug/L	SW846 8260A	
Chloroethane	ND	5.0	ug/L	SW846 8260A	
Methylene chloride	ND	2.5	ug/L	SW846 8260A	
Acetone	ND	25	ug/L	SW846 8260A	
Carbon disulfide	ND	2.5	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	2.5	ug/L	SW846 8260A	
1,1-Dichloroethane	4.5	2.5	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	3.5	2.5	ug/L	SW846 8260A	
Chloroform	ND	2.5	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	2.5	ug/L	SW846 8260A	
2-Butanone	ND	25	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	2.5	ug/L	SW846 8260A	
Carbon tetrachloride	ND	2.5	ug/L	SW846 8260A	
Bromodichloromethane	ND	2.5	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	2.5	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	2.5	ug/L	SW846 8260A	
Trichloroethene	8.0	2.5	ug/L	SW846 8260A	
Dibromochloromethane	ND	2.5	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	2.5	ug/L	SW846 8260A	
Benzene	ND	2.5	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	2.5	ug/L	SW846 8260A	
Bromoform	ND	2.5	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	25	ug/L	SW846 8260A	
2-Hexanone	ND	25	ug/L	SW846 8260A	
Tetrachloroethene	67	2.5	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	SW846 8260A	
Toluene	ND	2.5	ug/L	SW846 8260A	
Chlorobenzene	ND	2.5	ug/L	SW846 8260A	
Ethylbenzene	ND	2.5	ug/L	SW846 8260A	
Styrene	ND	2.5	ug/L	SW846 8260A	
Xylenes (total)	ND	2.5	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: FIELD BLANK
Sample #: 017 Date Sampled: 01/21/98 09:15 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	2.0	ug/L	SW846 8260A	
Bromomethane	ND	2.0	ug/L	SW846 8260A	
Vinyl chloride	ND	1.0	ug/L	SW846 8260A	
Chloroethane	ND	2.0	ug/L	SW846 8260A	
Methylene chloride	ND	1.0	ug/L	SW846 8260A	
Acetone	ND	10	ug/L	SW846 8260A	
Carbon disulfide	ND	1.0	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A	
Chloroform	ND	1.0	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A	
2-Butanone	ND	10	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A	
Trichloroethene	ND	1.0	ug/L	SW846 8260A	
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A	
Benzene	ND	1.0	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A	
Bromoform	ND	1.0	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A	
2-Hexanone	ND	10	ug/L	SW846 8260A	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A	
Toluene	ND	1.0	ug/L	SW846 8260A	
Chlorobenzene	ND	1.0	ug/L	SW846 8260A	
Ethylbenzene	ND	1.0	ug/L	SW846 8260A	
Styrene	ND	1.0	ug/L	SW846 8260A	
Xylenes (total)	ND	1.0	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: TRIP BLANK
Sample #: 018 Date Sampled: 01/21/98 09:15 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
Chloromethane	ND	2.8	ug/L	SW846 8260A	
Bromomethane	ND	2.8	ug/L	SW846 8260A	
Vinyl chloride	ND	1.4	ug/L	SW846 8260A	
Chloroethane	ND	2.8	ug/L	SW846 8260A	
Methylene chloride	ND	1.4	ug/L	SW846 8260A	
Acetone	ND	14	ug/L	SW846 8260A	
Carbon disulfide	ND	1.4	ug/L	SW846 8260A	
1,1-Dichloroethene	ND	1.4	ug/L	SW846 8260A	
1,1-Dichloroethane	ND	1.4	ug/L	SW846 8260A	
1,2-Dichloroethene (total)	ND	1.4	ug/L	SW846 8260A	
Chloroform	ND	1.4	ug/L	SW846 8260A	
1,2-Dichloroethane	ND	1.4	ug/L	SW846 8260A	
2-Butanone	ND	14	ug/L	SW846 8260A	
1,1,1-Trichloroethane	ND	1.4	ug/L	SW846 8260A	
Carbon tetrachloride	ND	1.4	ug/L	SW846 8260A	
Bromodichloromethane	ND	1.4	ug/L	SW846 8260A	
1,2-Dichloropropane	ND	1.4	ug/L	SW846 8260A	
cis-1,3-Dichloropropene	ND	1.4	ug/L	SW846 8260A	
Trichloroethene	ND	1.4	ug/L	SW846 8260A	
Dibromochloromethane	ND	1.4	ug/L	SW846 8260A	
1,1,2-Trichloroethane	ND	1.4	ug/L	SW846 8260A	
Benzene	ND	1.4	ug/L	SW846 8260A	
trans-1,3-Dichloropropene	ND	1.4	ug/L	SW846 8260A	
Bromoform	ND	1.4	ug/L	SW846 8260A	
4-Methyl-2-pentanone	ND	14	ug/L	SW846 8260A	
2-Hexanone	ND	14	ug/L	SW846 8260A	
Tetrachloroethene	ND	1.4	ug/L	SW846 8260A	
1,1,2,2-Tetrachloroethane	ND	1.4	ug/L	SW846 8260A	
Toluene	ND	1.4	ug/L	SW846 8260A	
Chlorobenzene	ND	1.4	ug/L	SW846 8260A	
Ethylbenzene	ND	1.4	ug/L	SW846 8260A	
Styrene	ND	1.4	ug/L	SW846 8260A	
Xylenes (total)	ND	1.4	ug/L	SW846 8260A	

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QUANTERRA INCORPORATED

PRELIMINARY DATA SUMMARY

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CompuChem Environmental
DAYTON THERMAL
Project Number: YGQP9800203-T

Lot #: A8A230105 Date Reported: 1/29/98

Client Sample ID: PZ-13IDUP
Sample #: 019 Date Sampled: 01/21/98 14:27 Date Received: 01/22/98 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Volatile Organics by GC/MS				Reviewed
Chloromethane	ND	62	ug/L	SW846 8260A
Bromomethane	ND	62	ug/L	SW846 8260A
Vinyl chloride	ND	31	ug/L	SW846 8260A
Chloroethane	ND	62	ug/L	SW846 8260A
Methylene chloride	ND	31	ug/L	SW846 8260A
Acetone	ND	310	ug/L	SW846 8260A
Carbon disulfide	ND	31	ug/L	SW846 8260A
1,1-Dichloroethene	43	31	ug/L	SW846 8260A
1,1-Dichloroethane	31	31	ug/L	SW846 8260A
1,2-Dichloroethene (total)	290	31	ug/L	SW846 8260A
Chloroform	ND	31	ug/L	SW846 8260A
1,2-Dichloroethane	ND	31	ug/L	SW846 8260A
2-Butanone	ND	310	ug/L	SW846 8260A
1,1,1-Trichloroethane	400	31	ug/L	SW846 8260A
Carbon tetrachloride	ND	31	ug/L	SW846 8260A
Bromodichloromethane	ND	31	ug/L	SW846 8260A
1,2-Dichloropropane	ND	31	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	31	ug/L	SW846 8260A
Trichloroethene	960	31	ug/L	SW846 8260A
Dibromochloromethane	ND	31	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	31	ug/L	SW846 8260A
Benzene	ND	31	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	31	ug/L	SW846 8260A
Bromoform	ND	31	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	310	ug/L	SW846 8260A
2-Hexanone	ND	310	ug/L	SW846 8260A
Tetrachloroethene	710	31	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	31	ug/L	SW846 8260A
Toluene	ND	31	ug/L	SW846 8260A
Chlorobenzene	ND	31	ug/L	SW846 8260A
Ethylbenzene	ND	31	ug/L	SW846 8260A
Styrene	ND	31	ug/L	SW846 8260A
Xylenes (total)	ND	31	ug/L	SW846 8260A

Quanterra Incorporated
4101 Shuffel Drive, NW
North Canton, Ohio 44720

330 497-9396 Telephone
330 497-0772 Fax

EPA Region 5 Records Ctr.
350060

Quanterra
Environmental Services

ENTERED IN DATABASE
BY/DATE DVS 2/3/98
CHECKED BY KRB
DATE 2/9/98

ANALYTICAL REPORT

PROJECT NO. YGQP9800203-T

DAYTON THERMAL

Lot #: A8A230137

Jan 98
GW sampling

Cathy Dover

CompuChem Environmental

QUANTERRA INCORPORATED

Jeffrey C. Smith
Project Manager

February 3, 1998

CASE NARRATIVE

The following report contains the analytical results for sixteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 23, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Samples were received at the laboratory at a temperature of 1.6° C.

One 40ml Volatile vial for sample MWA-3 was received with headspace.

GC/MS VOLATILES

The pH of samples MW-8S and MW-8SDUP were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

The matrix spike/matrix spike duplicate associated with batch 8029121 failed recovery criteria. The laboratory control sample associated with this batch was in control. This is believed to be a matrix effect; therefore, no further corrective action was taken.

ANALYTICAL METHODS SUMMARY

A8A230137

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8A230137

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CF2LE	001	MWA-3	01/22/98	08:34
CF2LN	002	PZ-14I	01/22/98	08:44
CF2LR	003	PZ-14IDUP	01/22/98	08:44
CF2LT	004	MWB-6	01/22/98	09:06
CF2LV	005	PZ-8I	01/22/98	09:57
CF2LX	006	MW-8S	01/22/98	10:05
CF2M1	007	MW-8SDUP	01/22/98	10:05
CF2M2	008	FIELD BLANK	01/22/98	10:11
CF2M3	009	PZ-8D	01/22/98	10:20
CF2M4	010	MW-10S	01/22/98	11:11
CF2M5	011	PZ-9D	01/22/98	11:21
CF2M7	012	PZ-10I	01/22/98	11:33
CF2M9	013	MWA-2	01/22/98	13:30
CF2MC	014	PZ-16D	01/22/98	13:45
CF2MD	015	MWA-4	01/22/98	14:27
CF2MF	016	TRIP BLANK	01/22/98	00:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-3

GC/MS Volatiles

Lot-Sample #...: A8A230137-001 **Work Order #...:** CF2LE101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 08:34 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 55.55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	110	ug/L	SW846 8260A
Bromomethane	ND	110	ug/L	SW846 8260A
Vinyl chloride	ND	56	ug/L	SW846 8260A
Chloroethane	ND	110	ug/L	SW846 8260A
Methylene chloride	ND	56	ug/L	SW846 8260A
Acetone	ND	560	ug/L	SW846 8260A
Carbon disulfide	ND	56	ug/L	SW846 8260A
1,1-Dichloroethene	**94**	**56**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**100**	**56**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**130**	**56**	**ug/L**	**SW846 8260A**
Chloroform	ND	56	ug/L	SW846 8260A
1,2-Dichloroethane	ND	56	ug/L	SW846 8260A
2-Butanone	ND	560	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1500**	**56**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	56	ug/L	SW846 8260A
Bromodichloromethane	ND	56	ug/L	SW846 8260A
1,2-Dichloropropane	ND	56	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	56	ug/L	SW846 8260A
Trichloroethene	**240**	**56**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	56	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	56	ug/L	SW846 8260A
Benzene	ND	56	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	56	ug/L	SW846 8260A
Bromoform	ND	56	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	560	ug/L	SW846 8260A
2-Hexanone	ND	560	ug/L	SW846 8260A
Tetrachloroethene	**1000**	**56**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	56	ug/L	SW846 8260A
Toluene	ND	56	ug/L	SW846 8260A
Chlorobenzene	ND	56	ug/L	SW846 8260A
Ethylbenzene	ND	56	ug/L	SW846 8260A
Styrene	ND	56	ug/L	SW846 8260A
Xylenes (total)	ND	56	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	94	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-14I

GC/MS Volatiles

Lot-Sample #...: A8A230137-002 **Work Order #...:** CF2LN101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 08:44 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	**13**	**5.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**39**	**5.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	**47**	**5.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	**150**	**5.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	**19**	**5.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-14IDUP

GC/MS Volatiles

Lot-Sample #...: A8A230137-003 **Work Order #...:** CF2LR101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 08:44 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	**13**	**5.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**41**	**5.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	**48**	**5.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	**150**	**5.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	**19**	**5.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-6

GC/MS Volatiles

Lot-Sample #...: A8A230137-004 **Work Order #...:** CF2LT101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 09:06 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 83.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	170	ug/L	SW846 8260A
Bromomethane	ND	170	ug/L	SW846 8260A
Vinyl chloride	ND	83	ug/L	SW846 8260A
Chloroethane	ND	170	ug/L	SW846 8260A
Methylene chloride	ND	83	ug/L	SW846 8260A
Acetone	ND	830	ug/L	SW846 8260A
Carbon disulfide	ND	83	ug/L	SW846 8260A
1,1-Dichloroethene	**410**	**83**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**760**	**83**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**360**	**83**	**ug/L**	**SW846 8260A**
Chloroform	ND	83	ug/L	SW846 8260A
1,2-Dichloroethane	ND	83	ug/L	SW846 8260A
2-Butanone	ND	830	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1300**	**83**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	83	ug/L	SW846 8260A
Bromodichloromethane	ND	83	ug/L	SW846 8260A
1,2-Dichloropropane	ND	83	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Trichloroethene	**1900**	**83**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	83	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	83	ug/L	SW846 8260A
Benzene	ND	83	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Bromoform	ND	83	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	830	ug/L	SW846 8260A
2-Hexanone	ND	830	ug/L	SW846 8260A
Tetrachloroethene	ND	83	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	83	ug/L	SW846 8260A
Toluene	ND	83	ug/L	SW846 8260A
Chlorobenzene	ND	83	ug/L	SW846 8260A
Ethylbenzene	ND	83	ug/L	SW846 8260A
Styrene	ND	83	ug/L	SW846 8260A
Xylenes (total)	ND	83	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-8I

GC/MS Volatiles

Lot-Sample #...: A8A230137-005 **Work Order #...:** CF2LV101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 09:57 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 500

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	1000	ug/L	SW846 8260A
Bromomethane	ND	1000	ug/L	SW846 8260A
Vinyl chloride	ND	500	ug/L	SW846 8260A
Chloroethane	ND	1000	ug/L	SW846 8260A
Methylene chloride	ND	500	ug/L	SW846 8260A
Acetone	ND	5000	ug/L	SW846 8260A
Carbon disulfide	ND	500	ug/L	SW846 8260A
1,1-Dichloroethene	ND	500	ug/L	SW846 8260A
1,1-Dichloroethane	ND	500	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	500	ug/L	SW846 8260A
Chloroform	ND	500	ug/L	SW846 8260A
1,2-Dichloroethane	ND	500	ug/L	SW846 8260A
2-Butanone	ND	5000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	500	ug/L	SW846 8260A
Carbon tetrachloride	ND	500	ug/L	SW846 8260A
Bromodichloromethane	ND	500	ug/L	SW846 8260A
1,2-Dichloropropane	ND	500	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A
Trichloroethene	**4700**	**500**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	500	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	500	ug/L	SW846 8260A
Benzene	ND	500	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A
Bromoform	ND	500	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5000	ug/L	SW846 8260A
2-Hexanone	ND	5000	ug/L	SW846 8260A
Tetrachloroethene	**10000**	**500**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	500	ug/L	SW846 8260A
Toluene	ND	500	ug/L	SW846 8260A
Chlorobenzene	ND	500	ug/L	SW846 8260A
Ethylbenzene	ND	500	ug/L	SW846 8260A
Styrene	ND	500	ug/L	SW846 8260A
Xylenes (total)	ND	500	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-8S

GC/MS Volatiles

Lot-Sample #...: A8A230137-006 **Work Order #...:** CF2LX101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:05 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	100	ug/L	SW846 8260A
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	µg/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**470**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	**2200**	**100**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-8SDUP

GC/MS Volatiles

Lot-Sample #...: A8A230137-007 **Work Order #...:** CF2M1101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:05 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	100	ug/L	SW846 8260A
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**450**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	**2200**	**100**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	106	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230137-008 **Work Order #...:** CF2M2101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:11 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(69 - 127)
Toluene-d8	103	(90 - 112)
Bromofluorobenzene	98	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-8D

GC/MS Volatiles

Lot-Sample #...: A8A230137-009 **Work Order #...:** CF2M3101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:20 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 4.16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	8.3	ug/L	SW846 8260A
Bromomethane	ND	8.3	ug/L	SW846 8260A
Vinyl chloride	ND	4.2	ug/L	SW846 8260A
Chloroethane	ND	8.3	ug/L	SW846 8260A
Methylene chloride	ND	4.2	ug/L	SW846 8260A
Acetone	ND	42	ug/L	SW846 8260A
Carbon disulfide	ND	4.2	ug/L	SW846 8260A
1,1-Dichloroethene	ND	4.2	ug/L	SW846 8260A
1,1-Dichloroethane	ND	4.2	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**15**	**4.2**	**ug/L**	**SW846 8260A**
Chloroform	ND	4.2	ug/L	SW846 8260A
1,2-Dichloroethane	ND	4.2	ug/L	SW846 8260A
2-Butanone	ND	42	ug/L	SW846 8260A
1,1,1-Trichloroethane	**7.2**	**4.2**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	4.2	ug/L	SW846 8260A
Bromodichloromethane	ND	4.2	ug/L	SW846 8260A
1,2-Dichloropropane	ND	4.2	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	4.2	ug/L	SW846 8260A
Trichloroethene	**91**	**4.2**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	4.2	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	4.2	ug/L	SW846 8260A
Benzene	ND	4.2	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	4.2	ug/L	SW846 8260A
Bromoform	ND	4.2	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	42	ug/L	SW846 8260A
2-Hexanone	ND	42	ug/L	SW846 8260A
Tetrachloroethene	**38**	**4.2**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	4.2	ug/L	SW846 8260A
Toluene	ND	4.2	ug/L	SW846 8260A
Chlorobenzene	ND	4.2	ug/L	SW846 8260A
Ethylbenzene	ND	4.2	ug/L	SW846 8260A
Styrene	ND	4.2	ug/L	SW846 8260A
Xylenes (total)	ND	4.2	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-10S

GC/MS Volatiles

Lot-Sample #...: A8A230137-010 **Work Order #...:** CF2M4101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 11:11 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 357.14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	710	ug/L	SW846 8260A
Bromomethane	ND	710	ug/L	SW846 8260A
Vinyl chloride	ND	360	ug/L	SW846 8260A
Chloroethane	ND	710	ug/L	SW846 8260A
Methylene chloride	ND	360	ug/L	SW846 8260A
Acetone	ND	3600	ug/L	SW846 8260A
Carbon disulfide	ND	360	ug/L	SW846 8260A
1,1-Dichloroethene	ND	360	ug/L	SW846 8260A
1,1-Dichloroethane	ND	360	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**2400**	**360**	**ug/L**	**SW846 8260A**
Chloroform	ND	360	ug/L	SW846 8260A
1,2-Dichloroethane	ND	360	ug/L	SW846 8260A
2-Butanone	ND	3600	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	360	ug/L	SW846 8260A
Carbon tetrachloride	ND	360	ug/L	SW846 8260A
Bromodichloromethane	ND	360	ug/L	SW846 8260A
1,2-Dichloropropane	ND	360	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	360	ug/L	SW846 8260A
Trichloroethene	**12000**	**360**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	360	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	360	ug/L	SW846 8260A
Benzene	ND	360	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	360	ug/L	SW846 8260A
Bromoform	ND	360	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	3600	ug/L	SW846 8260A
2-Hexanone	ND	3600	ug/L	SW846 8260A
Tetrachloroethene	ND	360	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	360	ug/L	SW846 8260A
Toluene	ND	360	ug/L	SW846 8260A
Chlorobenzene	ND	360	ug/L	SW846 8260A
Ethylbenzene	ND	360	ug/L	SW846 8260A
Styrene	ND	360	ug/L	SW846 8260A
Xylenes (total)	ND	360	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-9D

GC/MS Volatiles

Lot-Sample #...: A8A230137-011 **Work Order #...:** CF2M5101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 11:21 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**210**	**100**	**ug/L**	**SW846 8260A**
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**2800**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	ND	100	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-10I

GC/MS Volatiles

Lot-Sample #...: A8A230137-012 **Work Order #...:** CF2M7101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 11:33 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 250

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	500	ug/L	SW846 8260A
Bromomethane	ND	500	ug/L	SW846 8260A
Vinyl chloride	ND	250	ug/L	SW846 8260A
Chloroethane	ND	500	ug/L	SW846 8260A
Methylene chloride	ND	250	ug/L	SW846 8260A
Acetone	ND	2500	ug/L	SW846 8260A
Carbon disulfide	ND	250	ug/L	SW846 8260A
1,1-Dichloroethene	ND	250	ug/L	SW846 8260A
1,1-Dichloroethane	ND	250	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**3200**	**250**	**ug/L**	**SW846 8260A**
Chloroform	ND	250	ug/L	SW846 8260A
1,2-Dichloroethane	ND	250	ug/L	SW846 8260A
2-Butanone	ND	2500	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	250	ug/L	SW846 8260A
Carbon tetrachloride	ND	250	ug/L	SW846 8260A
Bromodichloromethane	ND	250	ug/L	SW846 8260A
1,2-Dichloropropane	ND	250	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	250	ug/L	SW846 8260A
Trichloroethene	**7800**	**250**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	250	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	250	ug/L	SW846 8260A
Benzene	ND	250	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	250	ug/L	SW846 8260A
Bromoform	ND	250	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	2500	ug/L	SW846 8260A
2-Hexanone	ND	2500	ug/L	SW846 8260A
Tetrachloroethene	ND	250	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	250	ug/L	SW846 8260A
Toluene	ND	250	ug/L	SW846 8260A
Chlorobenzene	ND	250	ug/L	SW846 8260A
Ethylbenzene	ND	250	ug/L	SW846 8260A
Styrene	ND	250	ug/L	SW846 8260A
Xylenes (total)	ND	250	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-2

GC/MS Volatiles

Lot-Sample #...: A8A230137-013 **Work Order #...:** CF2M9101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 13:30 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 58.82

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	120	ug/L	SW846 8260A
Bromomethane	ND	120	ug/L	SW846 8260A
Vinyl chloride	ND	59	ug/L	SW846 8260A
Chloroethane	ND	120	ug/L	SW846 8260A
Methylene chloride	ND	59	ug/L	SW846 8260A
Acetone	ND	590	ug/L	SW846 8260A
Carbon disulfide	ND	59	ug/L	SW846 8260A
1,1-Dichloroethene	ND	59	ug/L	SW846 8260A
1,1-Dichloroethane	**77**	**59**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**780**	**59**	**ug/L**	**SW846 8260A**
Chloroform	ND	59	ug/L	SW846 8260A
1,2-Dichloroethane	ND	59	ug/L	SW846 8260A
2-Butanone	ND	590	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1800**	**59**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	59	ug/L	SW846 8260A
Bromodichloromethane	ND	59	ug/L	SW846 8260A
1,2-Dichloropropane	ND	59	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	59	ug/L	SW846 8260A
Trichloroethene	**870**	**59**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	59	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	59	ug/L	SW846 8260A
Benzene	ND	59	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	59	ug/L	SW846 8260A
Bromoform	ND	59	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	590	ug/L	SW846 8260A
2-Hexanone	ND	590	ug/L	SW846 8260A
Tetrachloroethene	**1900**	**59**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	59	ug/L	SW846 8260A
Toluene	ND	59	ug/L	SW846 8260A
Chlorobenzene	ND	59	ug/L	SW846 8260A
Ethylbenzene	ND	59	ug/L	SW846 8260A
Styrene	ND	59	ug/L	SW846 8260A
Xylenes (total)	ND	59	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-16D

GC/MS Volatiles

Lot-Sample #...: A8A230137-014 **Work Order #...:** CF2MC101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 13:45 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 83.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	170	ug/L	SW846 8260A
Bromomethane	ND	170	ug/L	SW846 8260A
Vinyl chloride	ND	83	ug/L	SW846 8260A
Chloroethane	ND	170	ug/L	SW846 8260A
Methylene chloride	ND	83	ug/L	SW846 8260A
Acetone	ND	830	ug/L	SW846 8260A
Carbon disulfide	ND	83	ug/L	SW846 8260A
1,1-Dichloroethene	ND	83	ug/L	SW846 8260A
1,1-Dichloroethane	**86**	**83**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**890**	**83**	**ug/L**	**SW846 8260A**
Chloroform	ND	83	ug/L	SW846 8260A
1,2-Dichloroethane	ND	83	ug/L	SW846 8260A
2-Butanone	ND	830	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1900**	**83**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	83	ug/L	SW846 8260A
Bromodichloromethane	ND	83	ug/L	SW846 8260A
1,2-Dichloropropane	ND	83	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Trichloroethene	**230**	**83**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	83	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	83	ug/L	SW846 8260A
Benzene	ND	83	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Bromoform	ND	83	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	830	ug/L	SW846 8260A
2-Hexanone	ND	830	ug/L	SW846 8260A
Tetrachloroethene	**97**	**83**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	83	ug/L	SW846 8260A
Toluene	ND	83	ug/L	SW846 8260A
Chlorobenzene	ND	83	ug/L	SW846 8260A
Ethylbenzene	ND	83	ug/L	SW846 8260A
Styrene	ND	83	ug/L	SW846 8260A
Xylenes (total)	ND	83	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
Toluene-d8	91	(90 - 112)
Bromofluorobenzene	101	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-4

GC/MS Volatiles

Lot-Sample #...: A8A230137-015 **Work Order #...:** CF2MD101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 14:27 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1666.66

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	3300	ug/L	SW846 8260A
Bromomethane	ND	3300	ug/L	SW846 8260A
Vinyl chloride	**3200**	**1700**	**ug/L**	**SW846 8260A**
Chloroethane	ND	3300	ug/L	SW846 8260A
Methylene chloride	ND	1700	ug/L	SW846 8260A
Acetone	ND	17000	ug/L	SW846 8260A
Carbon disulfide	ND	1700	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1700	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1700	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**19000**	**1700**	**ug/L**	**SW846 8260A**
Chloroform	ND	1700	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1700	ug/L	SW846 8260A
2-Butanone	ND	17000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1700	ug/L	SW846 8260A
Carbon tetrachloride	ND	1700	ug/L	SW846 8260A
Bromodichloromethane	ND	1700	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1700	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1700	ug/L	SW846 8260A
Trichloroethene	**51000**	**1700**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1700	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1700	ug/L	SW846 8260A
Benzene	ND	1700	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1700	ug/L	SW846 8260A
Bromoform	ND	1700	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	17000	ug/L	SW846 8260A
2-Hexanone	ND	17000	ug/L	SW846 8260A
Tetrachloroethene	ND	1700	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1700	ug/L	SW846 8260A
Toluene	ND	1700	ug/L	SW846 8260A
Chlorobenzene	ND	1700	ug/L	SW846 8260A
Ethylbenzene	ND	1700	ug/L	SW846 8260A
Styrene	ND	1700	ug/L	SW846 8260A
Xylenes (total)	ND	1700	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230137-016 **Work Order #...:** CF2MF101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 00:00 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	97	(87 - 114)

QUALITY CONTROL SECTION

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

Quanterra® Incorporated conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. Quanterra requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). Failure of the RPDs to fall within the laboratory-generated acceptance windows requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the MS/MSD RPDs are within acceptance criteria, the batch is acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

* *for analyses run on TJA Trace ICP or GFAA only*

METHOD BLANK (continued)

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. The listed metals may be present in concentrations up to 2 times the reporting limit or must be twenty fold less than the results of the environmental samples. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. When these values fail to meet acceptance criteria, the data is reviewed to determine the cause. If, in the analyst's judgment, sample matrix effects are indicated, no corrective action is performed. Otherwise, the MS/MSD and the environmental sample used to prepare them are reprepared and reanalyzed.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

The acceptance criteria do not apply to samples that are diluted. If the dilution is more than 5X, the recoveries will be reported as diluted out. All other surrogate recoveries will be reported. If the LCS, LCSD, or the Method Blank surrogates fail to meet recovery criteria (exception for dilutions), the entire batch of samples is reprepared and reanalyzed.

If the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch may be acceptable based on the analyst's judgment that sample matrix effects are indicated.

For the GC/MS BNA methods, the surrogate criteria is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, TPH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF3WL102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-198
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	108	(87 - 113)	SW846 8260A
Trichloroethene	99	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	100	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF457102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A280000-118
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	97	(87 - 113)	SW846 8260A
Trichloroethene	103	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	101	(81 - 117)	SW846 8260A
Benzene	102	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF4M8102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A290000-121
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	98	(87 - 113)	SW846 8260A
Trichloroethene	102	(89 - 115)	SW846 8260A
Chlorobenzene	103	(89 - 119)	SW846 8260A
Toluene	104	(81 - 117)	SW846 8260A
Benzene	105	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	108	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF3WL101 **Matrix.....:** WATER
MB Lot-Sample #: A8A270000-198

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	100	(90 - 112)
Bromofluorobenzene	100	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF457101 **Matrix.....:** WATER
MB Lot-Sample #: A8A280000-118

Prep Date.....: 01/27/98
Analysis Date..: 01/27/98 **Prep Batch #...:** 8028118
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF4M8101 **Matrix.....:** WATER
MB Lot-Sample #: A8A290000-121

Prep Date.....: 01/28/98
Analysis Date..: 01/28/98 **Prep Batch #...:** 8029121
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF2D8102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-016 CF2D8103-MSD
Date Sampled...: 01/21/98 16:24 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 2.5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	89	(75 - 113)			SW846 8260A
	90	(75 - 113)	1.0	(0-20)	SW846 8260A
Trichloroethene	101	(71 - 110)			SW846 8260A
	99	(71 - 110)	1.2	(0-22)	SW846 8260A
Chlorobenzene	101	(81 - 115)			SW846 8260A
	103	(81 - 115)	2.0	(0-18)	SW846 8260A
Toluene	102	(78 - 126)			SW846 8260A
	101	(78 - 126)	0.86	(0-24)	SW846 8260A
Benzene	99	(78 - 117)			SW846 8260A
	101	(78 - 117)	1.6	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	92	(69 - 127)
	101	(69 - 127)
Toluene-d8	100	(90 - 112)
	99	(90 - 112)
Bromofluorobenzene	102	(87 - 114)
	104	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF2D3102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230105-014 CF2D3103-MSD
Date Sampled...: 01/21/98 14:55 **Date Received..:** 01/22/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 33.33

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	88	(75 - 113)			SW846 8260A
	94	(75 - 113)	6.6	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	100	(71 - 110)	6.1	(0-22)	SW846 8260A
Chlorobenzene	87	(81 - 115)			SW846 8260A
	94	(81 - 115)	7.2	(0-18)	SW846 8260A
Toluene	83	(78 - 126)			SW846 8260A
	89	(78 - 126)	7.4	(0-24)	SW846 8260A
Benzene	89	(78 - 117)			SW846 8260A
	97	(78 - 117)	9.0	(0-17)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
	109	(69 - 127)
Toluene-d8	93	(90 - 112)
	92	(90 - 112)
Bromofluorobenzene	103	(87 - 114)
	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF2M7102-MS **Matrix.....:** WATER
MS Lot-Sample #: A8A230137-012 CF2M7103-MSD
Date Sampled...: 01/22/98 11:33 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 250

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	95	(75 - 113)			SW846 8260A
	100	(75 - 113)	5.4	(0-20)	SW846 8260A
Trichloroethene	92	(71 - 110)			SW846 8260A
	128 a	(71 - 110)	8.6	(0-22)	SW846 8260A
Benzene	95	(78 - 117)			SW846 8260A
	103	(78 - 117)	7.9	(0-17)	SW846 8260A
Toluene	91	(78 - 126)			SW846 8260A
	100	(78 - 126)	8.9	(0-24)	SW846 8260A
Chlorobenzene	93	(81 - 115)			SW846 8260A
	102	(81 - 115)	8.7	(0-18)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
	105	(69 - 127)
Toluene-d8	95	(90 - 112)
	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)
	104	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

CHRYSLER CORPORATION

Chain-of-Custody

00589 A

(Cherry 4 / Dayton)

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: 1-800-833-5097 Fax Number: (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: 3C001 RFA Number: YGQ198000203-T Chrysler PM: GARY STANCZUK	Consultant: Lagette Brashears & Graham Address: 1270 West County Rd E Ste 700 St. Paul MN 55112 Consultant PM: Ken Vogel Phone: 612-490-4405 Fax: 612-490-1006

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
10 days
28 days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify):

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify) LAB DI H_2O

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC8260 - 40ml glass - HCL	Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other ___	Remarks
MWA-3	1/22/98	8:34	G	GW	3	X					
PZ-14I		8:44	G	GW	3	X					
PZ-14I DUP		8:44	G	GW	3	X					
MWB-6		9:06	G	GW	3	X					
PZ-8I		9:57	G	GW	3	X					HIGHLY CONTAMINATED
~~PZ-8S~~ MW-8S		10:05	G	GW	3	X					" "
MW ~~PZ~~-8S DUP		10:05	G	GW	3	X					" "
FIELD BLANK		10:17	G	O	3	X					
PZ-8D		10:20	G	GW	3	X					HIGHLY CONTAMINATED
MW-10S		11:11	G	GW	3	X					" "

Sampler(s): Chris Hoffman, Mark Hemstreet, Dave Strand

Cooler ID # D50

Is RFA sampling complete? Yes No

Bottles Relinquished under Airbill No. 4314770-810

Samples Relinquished under Airbill No. 3930051101

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Mark P. Hemstreet	1/22/98	16:30				Yes No
						Yes No
			Received for Laboratory by: Terri Stephens	1-23-98	9:45	Yes No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SDG 203C IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No. 1
Created September 23, 1997

CHRYSLER CORPORATION

Chain-of-Custody

00590 A

3CHRY4/DAYTON

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: 1-800-833-5097 Fax Number: (919) 379-4050	Project Name: DAYTON THERMAL Site Location: DAYTON, OHIO Site Code: SC.001 RFA Number: YGQP9800203-T Chrysler PM: GARY STANCZUK	Consultant: LEGLETTE, BRASHEARS & GRAHAM Address: 1210 WEST COUNTY ROAD E STE 700 ST. PAUL, MN 55112 Consultant PM: KEN VOGEL Phone: 612-490-1405 Fax: 612-490-1006	

Turn-around Time Request:
24 calendar hrs.
48 calendar hrs.
(10 days)
28 days

Data Package Deliverables: (circle)
(Chrysler Level 1)
Chrysler Level 2
Other (specify):

Matrix Codes
S - Soil SW - Surface Water
GW - Groundwater A - Air
Sed. - Sediment
O - Other (specify) LAB D.I. H_2O

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 - 40 ml GLASS - HCL								Lab Use Only: Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
PZ-9D	1/22/98	11:21	G	GW	3	X												HIGHLY CONTAMINATED
PZ-10I	↓	11:33	G	GW	3	X												" "
MWA-2		13:30	G	GW	3	X												" "
PZ-16D		13:45	G	GW	3	X												" "
MWA-4	↓	14:27	G	GW	3	X												" "
TRIP BLANK				O	1	X												

Sampler(s)	Bottles Relinquished under Airbill No. H314770-810			Samples Relinquished under Airbill No. 393005110			Temperature (corrected) ___ C
CHRIS HOFFMAN MARK HEMSTREET	Relinquished by: Mark P. Hemstreet	Date: 1/22/98	Time: 16:30	Received by:	Date:	Time:	Custody Seal Intact? Yes No
DAVE STRAND Cooler ID # D50	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by: Lani Stephens	Date: 1-23-98	Time: 9:45	Custody Seal Intact? (Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

SDG 203C IS COMPLETE. PROCEED WITH ANALYSIS.

Revision No 1
Created September 23, 1997

Quanterra Incorporated
4101 Shuffel Drive, NW
North Canton, Ohio 44720

330 497-9396 Telephone
330 497-0772 Fax

Quanterra
Environmental Services

ENTERED IN DATABASE
DATE DVS 2/3/98
VERIFIED BY ICP
DATE 1/9/98

ANALYTICAL REPORT

PROJECT NO. YGQP9800203-T

DAYTON THERMAL

Lot #: A8A230137

Jan 98
GW Sampling

Cathy Dover

CompuChem Environmental

QUANTERRA INCORPORATED

Jeffrey C. Smith
Project Manager

February 3, 1998

CASE NARRATIVE

The following report contains the analytical results for sixteen water samples submitted to Quanterra-North Canton by Compuchem Environmental from the Dayton Thermal Site, project number YGQP9800203-T. The samples were received January 23, 1998, according to documented sample acceptance procedures, and were analyzed in accordance with Ohio Voluntary Action Program protocols (Lab Certification CL0024).

Quanterra-North Canton utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated. Preliminary results were provided by facsimile transmission to Cathy Dover on January 29, 1998.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

Samples were received at the laboratory at a temperature of 1.6° C.

One 40ml Volatile vial for sample MWA-3 was received with headspace.

GC/MS VOLATILES

The pH of samples MW-8S and MW-8SDUP were greater than 2. The sample was analyzed within the normal 14-day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene, are susceptible to biological degradation if the sample is not preserved to a pH of 2.

The matrix spike/matrix spike duplicate associated with batch 8029121 failed recovery criteria. The laboratory control sample associated with this batch was in control. This is believed to be a matrix effect; therefore, no further corrective action was taken.

ANALYTICAL METHODS SUMMARY

A8A230137

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8A230137

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
CF2LE	001	MWA-3	01/22/98	08:34
CF2LN	002	PZ-14I	01/22/98	08:44
CF2LR	003	PZ-14IDUP	01/22/98	08:44
CF2LT	004	MWB-6	01/22/98	09:06
CF2LV	005	PZ-8I	01/22/98	09:57
CF2LX	006	MW-8S	01/22/98	10:05
CF2M1	007	MW-8SDUP	01/22/98	10:05
CF2M2	008	FIELD BLANK	01/22/98	10:11
CF2M3	009	PZ-8D	01/22/98	10:20
CF2M4	010	MW-10S	01/22/98	11:11
CF2M5	011	PZ-9D	01/22/98	11:21
CF2M7	012	PZ-10I	01/22/98	11:33
CF2M9	013	MWA-2	01/22/98	13:30
CF2MC	014	PZ-16D	01/22/98	13:45
CF2MD	015	MWA-4	01/22/98	14:27
CF2MF	016	TRIP BLANK	01/22/98	00:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-3

GC/MS Volatiles

Lot-Sample #...: A8A230137-001 **Work Order #...:** CF2LE101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 08:34 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 55.55

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	110	ug/L	SW846 8260A
Bromomethane	ND	110	ug/L	SW846 8260A
Vinyl chloride	ND	56	ug/L	SW846 8260A
Chloroethane	ND	110	ug/L	SW846 8260A
Methylene chloride	ND	56	ug/L	SW846 8260A
Acetone	ND	560	ug/L	SW846 8260A
Carbon disulfide	ND	56	ug/L	SW846 8260A
1,1-Dichloroethene	**94**	**56**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**100**	**56**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**130**	**56**	**ug/L**	**SW846 8260A**
Chloroform	ND	56	ug/L	SW846 8260A
1,2-Dichloroethane	ND	56	ug/L	SW846 8260A
2-Butanone	ND	560	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1500**	**56**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	56	ug/L	SW846 8260A
Bromodichloromethane	ND	56	ug/L	SW846 8260A
1,2-Dichloropropane	ND	56	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	56	ug/L	SW846 8260A
Trichloroethene	**240**	**56**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	56	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	56	ug/L	SW846 8260A
Benzene	ND	56	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	56	ug/L	SW846 8260A
Bromoform	ND	56	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	560	ug/L	SW846 8260A
2-Hexanone	ND	560	ug/L	SW846 8260A
Tetrachloroethene	**1000**	**56**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	56	ug/L	SW846 8260A
Toluene	ND	56	ug/L	SW846 8260A
Chlorobenzene	ND	56	ug/L	SW846 8260A
Ethylbenzene	ND	56	ug/L	SW846 8260A
Styrene	ND	56	ug/L	SW846 8260A
Xylenes (total)	ND	56	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	97	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	94	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-14I

GC/MS Volatiles

Lot-Sample #...: A8A230137-002 **Work Order #...:** CF2LN101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 08:44 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	**13**	**5.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**39**	**5.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	**47**	**5.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	**150**	**5.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	**19**	**5.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-14IDUP

GC/MS Volatiles

Lot-Sample #...: A8A230137-003 **Work Order #...:** CF2LR101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 08:44 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/L	SW846 8260A
Bromomethane	ND	10	ug/L	SW846 8260A
Vinyl chloride	ND	5.0	ug/L	SW846 8260A
Chloroethane	ND	10	ug/L	SW846 8260A
Methylene chloride	ND	5.0	ug/L	SW846 8260A
Acetone	ND	50	ug/L	SW846 8260A
Carbon disulfide	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260A
1,1-Dichloroethane	**13**	**5.0**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**41**	**5.0**	**ug/L**	**SW846 8260A**
Chloroform	ND	5.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260A
2-Butanone	ND	50	ug/L	SW846 8260A
1,1,1-Trichloroethane	**48**	**5.0**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260A
Bromodichloromethane	ND	5.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Trichloroethene	**150**	**5.0**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	5.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260A
Benzene	ND	5.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260A
Bromoform	ND	5.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260A
2-Hexanone	ND	50	ug/L	SW846 8260A
Tetrachloroethene	**19**	**5.0**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260A
Toluene	ND	5.0	ug/L	SW846 8260A
Chlorobenzene	ND	5.0	ug/L	SW846 8260A
Ethylbenzene	ND	5.0	ug/L	SW846 8260A
Styrene	ND	5.0	ug/L	SW846 8260A
Xylenes (total)	ND	5.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWB-6

GC/MS Volatiles

Lot-Sample #...: A8A230137-004 **Work Order #...:** CF2LT101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 09:06 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 83.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	170	ug/L	SW846 8260A
Bromomethane	ND	170	ug/L	SW846 8260A
Vinyl chloride	ND	83	ug/L	SW846 8260A
Chloroethane	ND	170	ug/L	SW846 8260A
Methylene chloride	ND	83	ug/L	SW846 8260A
Acetone	ND	830	ug/L	SW846 8260A
Carbon disulfide	ND	83	ug/L	SW846 8260A
1,1-Dichloroethene	**410**	**83**	**ug/L**	**SW846 8260A**
1,1-Dichloroethane	**760**	**83**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**360**	**83**	**ug/L**	**SW846 8260A**
Chloroform	ND	83	ug/L	SW846 8260A
1,2-Dichloroethane	ND	83	ug/L	SW846 8260A
2-Butanone	ND	830	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1300**	**83**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	83	ug/L	SW846 8260A
Bromodichloromethane	ND	83	ug/L	SW846 8260A
1,2-Dichloropropane	ND	83	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Trichloroethene	**1900**	**83**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	83	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	83	ug/L	SW846 8260A
Benzene	ND	83	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Bromoform	ND	83	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	830	ug/L	SW846 8260A
2-Hexanone	ND	830	ug/L	SW846 8260A
Tetrachloroethene	ND	83	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	83	ug/L	SW846 8260A
Toluene	ND	83	ug/L	SW846 8260A
Chlorobenzene	ND	83	ug/L	SW846 8260A
Ethylbenzene	ND	83	ug/L	SW846 8260A
Styrene	ND	83	ug/L	SW846 8260A
Xylenes (total)	ND	83	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	95	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-8I

GC/MS Volatiles

Lot-Sample #...: A8A230137-005 **Work Order #...:** CF2LV101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 09:57 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 500

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	1000	ug/L	SW846 8260A
Bromomethane	ND	1000	ug/L	SW846 8260A
Vinyl chloride	ND	500	ug/L	SW846 8260A
Chloroethane	ND	1000	ug/L	SW846 8260A
Methylene chloride	ND	500	ug/L	SW846 8260A
Acetone	ND	5000	ug/L	SW846 8260A
Carbon disulfide	ND	500	ug/L	SW846 8260A
1,1-Dichloroethene	ND	500	ug/L	SW846 8260A
1,1-Dichloroethane	ND	500	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	500	ug/L	SW846 8260A
Chloroform	ND	500	ug/L	SW846 8260A
1,2-Dichloroethane	ND	500	ug/L	SW846 8260A
2-Butanone	ND	5000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	500	ug/L	SW846 8260A
Carbon tetrachloride	ND	500	ug/L	SW846 8260A
Bromodichloromethane	ND	500	ug/L	SW846 8260A
1,2-Dichloropropane	ND	500	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A
Trichloroethene	**4700**	**500**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	500	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	500	ug/L	SW846 8260A
Benzene	ND	500	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	500	ug/L	SW846 8260A
Bromoform	ND	500	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	5000	ug/L	SW846 8260A
2-Hexanone	ND	5000	ug/L	SW846 8260A
Tetrachloroethene	**10000**	**500**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	500	ug/L	SW846 8260A
Toluene	ND	500	ug/L	SW846 8260A
Chlorobenzene	ND	500	ug/L	SW846 8260A
Ethylbenzene	ND	500	ug/L	SW846 8260A
Styrene	ND	500	ug/L	SW846 8260A
Xylenes (total)	ND	500	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-8S

GC/MS Volatiles

Lot-Sample #...: A8A230137-006 **Work Order #...:** CF2LX101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:05 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	100	ug/L	SW846 8260A
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**470**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	**2200**	**100**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	102	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-8SDUP

GC/MS Volatiles

Lot-Sample #...: A8A230137-007 **Work Order #...:** CF2M1101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:05 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	100	ug/L	SW846 8260A
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**450**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	**2200**	**100**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	106	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230137-008 **Work Order #...:** CF2M2101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:11 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(69 - 127)
Toluene-d8	103	(90 - 112)
Bromofluorobenzene	98	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-8D

GC/MS Volatiles

Lot-Sample #...: A8A230137-009 **Work Order #...:** CF2M3101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 10:20 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 4.16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	8.3	ug/L	SW846 8260A
Bromomethane	ND	8.3	ug/L	SW846 8260A
Vinyl chloride	ND	4.2	ug/L	SW846 8260A
Chloroethane	ND	8.3	ug/L	SW846 8260A
Methylene chloride	ND	4.2	ug/L	SW846 8260A
Acetone	ND	42	ug/L	SW846 8260A
Carbon disulfide	ND	4.2	ug/L	SW846 8260A
1,1-Dichloroethene	ND	4.2	ug/L	SW846 8260A
1,1-Dichloroethane	ND	4.2	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**15**	**4.2**	**ug/L**	**SW846 8260A**
Chloroform	ND	4.2	ug/L	SW846 8260A
1,2-Dichloroethane	ND	4.2	ug/L	SW846 8260A
2-Butanone	ND	42	ug/L	SW846 8260A
1,1,1-Trichloroethane	**7.2**	**4.2**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	4.2	ug/L	SW846 8260A
Bromodichloromethane	ND	4.2	ug/L	SW846 8260A
1,2-Dichloropropane	ND	4.2	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	4.2	ug/L	SW846 8260A
Trichloroethene	**91**	**4.2**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	4.2	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	4.2	ug/L	SW846 8260A
Benzene	ND	4.2	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	4.2	ug/L	SW846 8260A
Bromoform	ND	4.2	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	42	ug/L	SW846 8260A
2-Hexanone	ND	42	ug/L	SW846 8260A
Tetrachloroethene	**38**	**4.2**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	4.2	ug/L	SW846 8260A
Toluene	ND	4.2	ug/L	SW846 8260A
Chlorobenzene	ND	4.2	ug/L	SW846 8260A
Ethylbenzene	ND	4.2	ug/L	SW846 8260A
Styrene	ND	4.2	ug/L	SW846 8260A
Xylenes (total)	ND	4.2	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	95	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MW-10S

GC/MS Volatiles

Lot-Sample #...: A8A230137-010 **Work Order #...:** CF2M4101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 11:11 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 357.14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	710	ug/L	SW846 8260A
Bromomethane	ND	710	ug/L	SW846 8260A
Vinyl chloride	ND	360	ug/L	SW846 8260A
Chloroethane	ND	710	ug/L	SW846 8260A
Methylene chloride	ND	360	ug/L	SW846 8260A
Acetone	ND	3600	ug/L	SW846 8260A
Carbon disulfide	ND	360	ug/L	SW846 8260A
1,1-Dichloroethene	ND	360	ug/L	SW846 8260A
1,1-Dichloroethane	ND	360	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**2400**	**360**	**ug/L**	**SW846 8260A**
Chloroform	ND	360	ug/L	SW846 8260A
1,2-Dichloroethane	ND	360	ug/L	SW846 8260A
2-Butanone	ND	3600	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	360	ug/L	SW846 8260A
Carbon tetrachloride	ND	360	ug/L	SW846 8260A
Bromodichloromethane	ND	360	ug/L	SW846 8260A
1,2-Dichloropropane	ND	360	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	360	ug/L	SW846 8260A
Trichloroethene	**12000**	**360**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	360	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	360	ug/L	SW846 8260A
Benzene	ND	360	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	360	ug/L	SW846 8260A
Bromoform	ND	360	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	3600	ug/L	SW846 8260A
2-Hexanone	ND	3600	ug/L	SW846 8260A
Tetrachloroethene	ND	360	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	360	ug/L	SW846 8260A
Toluene	ND	360	ug/L	SW846 8260A
Chlorobenzene	ND	360	ug/L	SW846 8260A
Ethylbenzene	ND	360	ug/L	SW846 8260A
Styrene	ND	360	ug/L	SW846 8260A
Xylenes (total)	ND	360	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	98	(69 - 127)
Toluene-d8	99	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-9D

GC/MS Volatiles

Lot-Sample #...: A8A230137-011 **Work Order #...:** CF2M5101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 11:21 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 100

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	200	ug/L	SW846 8260A
Bromomethane	ND	200	ug/L	SW846 8260A
Vinyl chloride	ND	100	ug/L	SW846 8260A
Chloroethane	ND	200	ug/L	SW846 8260A
Methylene chloride	ND	100	ug/L	SW846 8260A
Acetone	ND	1000	ug/L	SW846 8260A
Carbon disulfide	ND	100	ug/L	SW846 8260A
1,1-Dichloroethene	ND	100	ug/L	SW846 8260A
1,1-Dichloroethane	ND	100	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**210**	**100**	**ug/L**	**SW846 8260A**
Chloroform	ND	100	ug/L	SW846 8260A
1,2-Dichloroethane	ND	100	ug/L	SW846 8260A
2-Butanone	ND	1000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	100	ug/L	SW846 8260A
Carbon tetrachloride	ND	100	ug/L	SW846 8260A
Bromodichloromethane	ND	100	ug/L	SW846 8260A
1,2-Dichloropropane	ND	100	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Trichloroethene	**2800**	**100**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	100	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	100	ug/L	SW846 8260A
Benzene	ND	100	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	100	ug/L	SW846 8260A
Bromoform	ND	100	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	1000	ug/L	SW846 8260A
2-Hexanone	ND	1000	ug/L	SW846 8260A
Tetrachloroethene	ND	100	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	100	ug/L	SW846 8260A
Toluene	ND	100	ug/L	SW846 8260A
Chlorobenzene	ND	100	ug/L	SW846 8260A
Ethylbenzene	ND	100	ug/L	SW846 8260A
Styrene	ND	100	ug/L	SW846 8260A
Xylenes (total)	ND	100	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(69 - 127)
Toluene-d8	92	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-10I

GC/MS Volatiles

Lot-Sample #...: A8A230137-012 **Work Order #...:** CF2M7101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 11:33 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 250

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	500	ug/L	SW846 8260A
Bromomethane	ND	500	ug/L	SW846 8260A
Vinyl chloride	ND	250	ug/L	SW846 8260A
Chloroethane	ND	500	ug/L	SW846 8260A
Methylene chloride	ND	250	ug/L	SW846 8260A
Acetone	ND	2500	ug/L	SW846 8260A
Carbon disulfide	ND	250	ug/L	SW846 8260A
1,1-Dichloroethene	ND	250	ug/L	SW846 8260A
1,1-Dichloroethane	ND	250	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**3200**	**250**	**ug/L**	**SW846 8260A**
Chloroform	ND	250	ug/L	SW846 8260A
1,2-Dichloroethane	ND	250	ug/L	SW846 8260A
2-Butanone	ND	2500	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	250	ug/L	SW846 8260A
Carbon tetrachloride	ND	250	ug/L	SW846 8260A
Bromodichloromethane	ND	250	ug/L	SW846 8260A
1,2-Dichloropropane	ND	250	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	250	ug/L	SW846 8260A
Trichloroethene	**7800**	**250**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	250	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	250	ug/L	SW846 8260A
Benzene	ND	250	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	250	ug/L	SW846 8260A
Bromoform	ND	250	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	2500	ug/L	SW846 8260A
2-Hexanone	ND	2500	ug/L	SW846 8260A
Tetrachloroethene	ND	250	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	250	ug/L	SW846 8260A
Toluene	ND	250	ug/L	SW846 8260A
Chlorobenzene	ND	250	ug/L	SW846 8260A
Ethylbenzene	ND	250	ug/L	SW846 8260A
Styrene	ND	250	ug/L	SW846 8260A
Xylenes (total)	ND	250	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	96	(90 - 112)
Bromofluorobenzene	104	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-2

GC/MS Volatiles

Lot-Sample #...: A8A230137-013 **Work Order #...:** CF2M9101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 13:30 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 58.82

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	120	ug/L	SW846 8260A
Bromomethane	ND	120	ug/L	SW846 8260A
Vinyl chloride	ND	59	ug/L	SW846 8260A
Chloroethane	ND	120	ug/L	SW846 8260A
Methylene chloride	ND	59	ug/L	SW846 8260A
Acetone	ND	590	ug/L	SW846 8260A
Carbon disulfide	ND	59	ug/L	SW846 8260A
1,1-Dichloroethene	ND	59	ug/L	SW846 8260A
1,1-Dichloroethane	**77**	**59**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**780**	**59**	**ug/L**	**SW846 8260A**
Chloroform	ND	59	ug/L	SW846 8260A
1,2-Dichloroethane	ND	59	ug/L	SW846 8260A
2-Butanone	ND	590	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1800**	**59**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	59	ug/L	SW846 8260A
Bromodichloromethane	ND	59	ug/L	SW846 8260A
1,2-Dichloropropane	ND	59	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	59	ug/L	SW846 8260A
Trichloroethene	**870**	**59**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	59	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	59	ug/L	SW846 8260A
Benzene	ND	59	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	59	ug/L	SW846 8260A
Bromoform	ND	59	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	590	ug/L	SW846 8260A
2-Hexanone	ND	590	ug/L	SW846 8260A
Tetrachloroethene	**1900**	**59**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	59	ug/L	SW846 8260A
Toluene	ND	59	ug/L	SW846 8260A
Chlorobenzene	ND	59	ug/L	SW846 8260A
Ethylbenzene	ND	59	ug/L	SW846 8260A
Styrene	ND	59	ug/L	SW846 8260A
Xylenes (total)	ND	59	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(69 - 127)
Toluene-d8	94	(90 - 112)
Bromofluorobenzene	105	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: PZ-16D

GC/MS Volatiles

Lot-Sample #...: A8A230137-014 **Work Order #...:** CF2MC101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 13:45 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 83.33

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	170	ug/L	SW846 8260A
Bromomethane	ND	170	ug/L	SW846 8260A
Vinyl chloride	ND	83	ug/L	SW846 8260A
Chloroethane	ND	170	ug/L	SW846 8260A
Methylene chloride	ND	83	ug/L	SW846 8260A
Acetone	ND	830	ug/L	SW846 8260A
Carbon disulfide	ND	83	ug/L	SW846 8260A
1,1-Dichloroethene	ND	83	ug/L	SW846 8260A
1,1-Dichloroethane	**86**	**83**	**ug/L**	**SW846 8260A**
1,2-Dichloroethene (total)	**890**	**83**	**ug/L**	**SW846 8260A**
Chloroform	ND	83	ug/L	SW846 8260A
1,2-Dichloroethane	ND	83	ug/L	SW846 8260A
2-Butanone	ND	830	ug/L	SW846 8260A
1,1,1-Trichloroethane	**1900**	**83**	**ug/L**	**SW846 8260A**
Carbon tetrachloride	ND	83	ug/L	SW846 8260A
Bromodichloromethane	ND	83	ug/L	SW846 8260A
1,2-Dichloropropane	ND	83	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Trichloroethene	**230**	**83**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	83	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	83	ug/L	SW846 8260A
Benzene	ND	83	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	83	ug/L	SW846 8260A
Bromoform	ND	83	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	830	ug/L	SW846 8260A
2-Hexanone	ND	830	ug/L	SW846 8260A
Tetrachloroethene	**97**	**83**	**ug/L**	**SW846 8260A**
1,1,2,2-Tetrachloroethane	ND	83	ug/L	SW846 8260A
Toluene	ND	83	ug/L	SW846 8260A
Chlorobenzene	ND	83	ug/L	SW846 8260A
Ethylbenzene	ND	83	ug/L	SW846 8260A
Styrene	ND	83	ug/L	SW846 8260A
Xylenes (total)	ND	83	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	108	(69 - 127)
Toluene-d8	91	(90 - 112)
Bromofluorobenzene	101	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: MWA-4

GC/MS Volatiles

Lot-Sample #...: A8A230137-015 **Work Order #...:** CF2MD101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 14:27 **Date Received..:** 01/23/98
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1666.66

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	3300	ug/L	SW846 8260A
Bromomethane	ND	3300	ug/L	SW846 8260A
Vinyl chloride	**3200**	**1700**	**ug/L**	**SW846 8260A**
Chloroethane	ND	3300	ug/L	SW846 8260A
Methylene chloride	ND	1700	ug/L	SW846 8260A
Acetone	ND	17000	ug/L	SW846 8260A
Carbon disulfide	ND	1700	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1700	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1700	ug/L	SW846 8260A
1,2-Dichloroethene (total)	**19000**	**1700**	**ug/L**	**SW846 8260A**
Chloroform	ND	1700	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1700	ug/L	SW846 8260A
2-Butanone	ND	17000	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1700	ug/L	SW846 8260A
Carbon tetrachloride	ND	1700	ug/L	SW846 8260A
Bromodichloromethane	ND	1700	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1700	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1700	ug/L	SW846 8260A
Trichloroethene	**51000**	**1700**	**ug/L**	**SW846 8260A**
Dibromochloromethane	ND	1700	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1700	ug/L	SW846 8260A
Benzene	ND	1700	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1700	ug/L	SW846 8260A
Bromoform	ND	1700	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	17000	ug/L	SW846 8260A
2-Hexanone	ND	17000	ug/L	SW846 8260A
Tetrachloroethene	ND	1700	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1700	ug/L	SW846 8260A
Toluene	ND	1700	ug/L	SW846 8260A
Chlorobenzene	ND	1700	ug/L	SW846 8260A
Ethylbenzene	ND	1700	ug/L	SW846 8260A
Styrene	ND	1700	ug/L	SW846 8260A
Xylenes (total)	ND	1700	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

COMPUCHEM ENVIRONMENTAL

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A8A230137-016 **Work Order #...:** CF2MF101 **Matrix.....:** WATER
Date Sampled...: 01/22/98 00:00 **Date Received..:** 01/23/98
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260A
Bromomethane	ND	2.0	ug/L	SW846 8260A
Vinyl chloride	ND	1.0	ug/L	SW846 8260A
Chloroethane	ND	2.0	ug/L	SW846 8260A
Methylene chloride	ND	1.0	ug/L	SW846 8260A
Acetone	ND	10	ug/L	SW846 8260A
Carbon disulfide	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260A
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260A
Chloroform	ND	1.0	ug/L	SW846 8260A
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260A
2-Butanone	ND	10	ug/L	SW846 8260A
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260A
Bromodichloromethane	ND	1.0	ug/L	SW846 8260A
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260A
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Trichloroethene	ND	1.0	ug/L	SW846 8260A
Dibromochloromethane	ND	1.0	ug/L	SW846 8260A
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260A
Benzene	ND	1.0	ug/L	SW846 8260A
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260A
Bromoform	ND	1.0	ug/L	SW846 8260A
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260A
2-Hexanone	ND	10	ug/L	SW846 8260A
Tetrachloroethene	ND	1.0	ug/L	SW846 8260A
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260A
Toluene	ND	1.0	ug/L	SW846 8260A
Chlorobenzene	ND	1.0	ug/L	SW846 8260A
Ethylbenzene	ND	1.0	ug/L	SW846 8260A
Styrene	ND	1.0	ug/L	SW846 8260A
Xylenes (total)	ND	1.0	ug/L	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	97	(87 - 114)

QUALITY CONTROL SECTION

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

Quanterra® Incorporated conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. Quanterra requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). Failure of the RPDs to fall within the laboratory-generated acceptance windows requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the MS/MSD RPDs are within acceptance criteria, the batch is acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

* *for analyses run on TJA Trace ICP or GFAA only*

METHOD BLANK (continued)

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. The listed metals may be present in concentrations up to 2 times the reporting limit or must be twenty fold less than the results of the environmental samples. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. When these values fail to meet acceptance criteria, the data is reviewed to determine the cause. If, in the analyst's judgment, sample matrix effects are indicated, no corrective action is performed. Otherwise, the MS/MSD and the environmental sample used to prepare them are reprepared and reanalyzed.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

The acceptance criteria do not apply to samples that are diluted. If the dilution is more than 5X, the recoveries will be reported as diluted out. All other surrogate recoveries will be reported. If the LCS, LCSD, or the Method Blank surrogates fail to meet recovery criteria (exception for dilutions), the entire batch of samples is reprepared and reanalyzed.

If the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch may be acceptable based on the analyst's judgment that sample matrix effects are indicated.

For the GC/MS BNA methods, the surrogate criteria is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, TPH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF3WL102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A270000-198
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8027198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	108	(87 - 113)	SW846 8260A
Trichloroethene	99	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	102	(81 - 117)	SW846 8260A
Benzene	100	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(69 - 127)
Toluene-d8	101	(90 - 112)
Bromofluorobenzene	103	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF457102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A280000-118
Prep Date.....: 01/27/98 **Analysis Date..:** 01/27/98
Prep Batch #...: 8028118
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	97	(87 - 113)	SW846 8260A
Trichloroethene	103	(89 - 115)	SW846 8260A
Chlorobenzene	102	(89 - 119)	SW846 8260A
Toluene	101	(81 - 117)	SW846 8260A
Benzene	102	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(69 - 127)
Toluene-d8	97	(90 - 112)
Bromofluorobenzene	107	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A8A230137 **Work Order #...:** CF4M8102 **Matrix.....:** WATER
LCS Lot-Sample#: A8A290000-121
Prep Date.....: 01/28/98 **Analysis Date..:** 01/28/98
Prep Batch #...: 8029121
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	98	(87 - 113)	SW846 8260A
Trichloroethene	102	(89 - 115)	SW846 8260A
Chlorobenzene	103	(89 - 119)	SW846 8260A
Toluene	104	(81 - 117)	SW846 8260A
Benzene	105	(77 - 126)	SW846 8260A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	101	(69 - 127)
Toluene-d8	98	(90 - 112)
Bromofluorobenzene	108	(87 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.