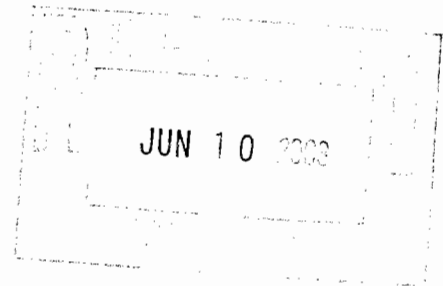


June 9, 2003

Mr. Joseph Jones
Bureau of Eastern Remedial Action
Division of Environmental Remediation
New York State Department of
Environmental Conservation
625 Broadway
Albany, NY 12233

Re: Site Numbers 1-30-009 and 1-30-053A
First Quarter 2003 Progress Report

File: 643.001



Dear Mr. Jones:

Enclosed please find three copies of the First Quarter 2003 Progress Report for the subject sites.

Should you have any questions regarding the enclosed, please feel free to contact Charlie Nehrig at 516-609-1052. Thank you.

Very truly yours,

BARTON & LOGUIDICE, P. C.

Handwritten signature of Andrew J. Barber.

Andrew J. Barber
Senior Managing Environmental Scientist

AJB/mfg

cc: G. Anders Carlson, Ph.D., NYSDOH, Albany, NY (2 copies)
Robert Becherer, NYSDEC, Region 1, Stony Brook, NY (1 copy)
John F. Byrne, Esq., NYSDEC-DEE, Tarrytown, NY (1 copy)
James Harrington, NYSDEC, Albany, NY (1 copy)
Charlie Nehrig, Photocircuits (1 copy)
Louis Stans, Photocircuits (1 copy)
Mark Pennington, Esq., Morgan, Lewis & Bockius (1 copy)

S:\PROJECTS\600\643_001\Q1_03 Qtrly Rpt\Cov Ltr_Q1_3 Qtrly Rpt.wbk





**FIRST QUARTER 2003
PROGRESS REPORT**

**PHOTOCIRCUITS AND FORMER PASS & SEYMOUR SITES
31 & 45 SEA CLIFF AVENUE**

SITE NUMBERS 1-30-009 AND 1-30-053A

Prepared for:
Photocircuits Corporation
31 Sea Cliff Avenue
Glen Cove, New York 11542

Prepared by:
Barton and Loguidice, P.C.
2 Corporate Plaza
264 Washington Avenue Extension
Albany, New York 12203

June, 2003

1.0 Introduction

This First Quarter 2003 Progress Report (1Q03) is being submitted pursuant to the 1997 Order on Consent between Photocircuits Corporation and the New York State Department of Environmental Conservation (NYSDEC).

During the First Quarter of 2003, the following was accomplished:

- One groundwater sampling event was conducted for monitoring wells located on both the 31 and 45A Sea Cliff Avenue sites during the period of January 13-15.
- The Soil Vapor Extraction (SVE) and Air Sparging (AS) system at the 45A Sea Cliff Avenue site was continued through the first quarter of 2003.
- Four recovery wells for the hydraulic control program at the 31 Sea Cliff Avenue site were installed in mid-January.

2.0 Discussion of Results

2.1 SVE System at 31 Sea Cliff Avenue

The SVE system at the 31 Sea Cliff Avenue site was installed as an Interim Remedial Measure (IRM), and started operation in April 2000. The SVE system, equipped with the CatOx/scrubber for extracted vapor treatment, was restarted on July 21, 2000 and was operated continuously until August 2001 (except for a few brief periods for maintenance activities, and in March to mid-May, 2001 because of high water-table conditions). As discussed in the 2Q01 report, the results of vapor sample analyses and the photoionization detector (PID) readings demonstrate that contaminant mass removal versus time has clearly become asymptotic. We conclude that we have demonstrated that there is little or no residual contamination in the unsaturated zone, and that further contaminant removal from the unsaturated zone is infeasible. The SVE system is in the process of being decommissioned.

2.2 Bioremediation Pilot Test

The bioremediation pilot test was started during the week of August 28, 2000 when Terra Systems conducted the injection of a nutrient solution (substrate) into the subsurface at the 31 Sea Cliff Avenue site. Following the injection, groundwater samples were collected from the following monitoring wells/points: MW-7, MW-14, SMP-1, DMP-1, SMP-3, DMP-3, SMP-4 and DMP-4. These wells/points were sampled again on October 18-19, December 20, 2000, March 27-28, 2001 and July 11-12, 2001; the March and July

sampling events included several wells located along Sea Cliff Avenue (MW-8, MW-9, MW-12 and MW-13) along with the wells sampled during the previous events. By letter dated October 25, 2001, NYSDEC authorized an additional injection of substrate that had been recommended by Photocircuits. A first phase of additional substrate injection was conducted during the period of February 25 to March 3, 2002; during this period, slightly over 5,000 gallons of substrate was injected (as reported in the 1Q 02 report). On April 29, 2002, an additional injection of 5,777 gallons of substrate was injected using the injection points that had been installed during the February-March injection event. Sampling events conducted in 2002 were January 8-10, April 2-4, June 25-26 and October 2-3.

Sampling in 2003 was conducted on January 13-15; the results from the January 2003 sampling event are provided in Appendix A of this report (Note: well MW-7 was not sampled during this event as it was filled with oil substrate).

A status report on the pilot test (including the data from the samples collected in January 2003) was prepared by Terra Systems and is included as Appendix B of this report. The main conclusion of the report are as follows

- The addition of the edible oil substrate has enhanced the extent and rate of chlorinated solvent biodegradation at the site; degradation rates as high as 268 ug/L per day of total volatile organic compounds (TVOCs) have been observed in areas of higher concentration.
- A first order degradation half life of 462 days was calculated for the average total VOC concentration within the pilot cell area (January 2003 data); this degradation rate suggests that 90% of the total VOC mass within the pilot test cell will be removed within 43 months.
- The newly injected edible oil substrate appears to be adequately distributed.
- Bioremediation will be the primary treatment technology for contaminant destruction at the site.

2.3 IRM at 45 Sea Cliff Avenue

As discussed in the 4Q 2000 report, SVE/AS equipment was procured and delivered to the site. The SVE/AS system consists of a 10 horsepower (hp) regenerative blower and 5 hp compressor, along with electrical controls, filters, moisture separators, and valves; the system is contained within an insulated trailer, which has been located just outside of Building 7. Following delivery, the system components were connected to the piping networks for the AS and SVE wells. Two 1200 lb activated carbon adsorbers were attached in series to the blower outlet to treat recovered vapors. The SVE system was started on November 1, 2000; because the initial contaminant concentrations were

relatively high, the AS portion of the system was not started. The AS component of this system was started on March 28, 2001. The system was down from April 20-24 due to an electrical problem. The system was down most of June and July due to equipment overheating; the system was re-started on July 30 and shut down on September 20.

Monitoring data was presented in the 2Q01 report, including data from sampling of individual SVE wells (March 2001) and sampling of total SVE system effluent over time. Prior to the start of the AS component, the relationship of total contaminant mass removal versus time was clearly becoming asymptotic. The start of the AS component increased contaminant mass recovery somewhat (see the April 2001 sample results). However, the results of the May vapor sample indicate that mass removal versus time relationship became asymptotic. We concluded at that time that we demonstrated that there is little or no residual contamination at that location, and that further contaminant removal is infeasible.

Monitoring wells located on the 45A Sea Cliff Avenue site (MW-1S, MW-2S, MW-3S and MW-4S) and near the 45A Sea Cliff Avenue site (MW-9, MW-10 and MW-11) were sampled in January 2002, and the results are attached. Based on results from the January sampling event, Photocircuits proposed extending the SVE/AS system at the 45A Sea Cliff Avenue site from the west side to the east side of Building 7. The basis for the extension of the system and the proposed piping and equipment layout were provided in the February 13 letter to NYSDEC.

The SVE wells and AS points were installed at the proposed locations on the east side of Building 7 in late February, 2002 in preparation for the extension of the system. After field evaluation, it was decided that it would be more efficient to move the aboveground portions of the system (equipment trailer, carbon vessels) to the east side of Building 7 rather than to extend their operation by piping from the west side to the east side of Building 7, as originally proposed. The trailer and carbon vessels were moved in April, and electrical service was also provided to the new location April. Piping and mechanical connections were completed in early May; the original blower malfunctioned and a smaller replacement blower was installed.

The SVE portion system was started on May 8, 2002, and a sample of the total system effluent, prior to treatment, was collected; tetrachloroethene was detected at a concentration of 5.3 ppmv. Another effluent sample was collected on June 26; tetrachloroethene was detected at a concentration of 142 ppmv and trichloroethene was detected at a concentration of 2 ppmv. Further sampling in 2002 was conducted on October 3, December 12 (tetrachloroethene was detected at 1.2 and 1.1 ppmv in these two samples, respectively). The AS portion of the system was started on December 11, 2002. A sample was collected on January 15, 2003, with tetrachloroethene detected at 1.0 ppmv; analytical results for this recent sample are provided in Appendix A of this report

2.4 Hydraulic Control along Sea Cliff Avenue

A meeting was held with NYSDEC on October 11, 2001 to discuss the progress of the bioremediation pilot test. Although there was substantial disagreement between Photocircuits and the NYSDEC over the progress of the bioremediation pilot test and the need for groundwater remediation, Photocircuits agreed to review available options for containment of groundwater along the northern boundary of the Photocircuits site (31 Sea Cliff Avenue). Photocircuits conducted the review of remedial options, and by letter dated October 26, 2001, Photocircuits presented the results of the review. The recommended approach for the conditions at the Photocircuits site is the use of hydraulic control. Photocircuits submitted a work plan for the performance of pumping tests necessary for the design of a hydraulic control system on November 13, 2001; following receipt of verbal comments from NYSDEC, Photocircuits submitted a revised work plan on December 7, 2001. Approval for implementation of the work plan was received from NYSDEC by letter dated December 19, 2001. The pumping tests were performed in January, 2002 and the remedial design report was submitted to NYSDEC on April 11, 2002. NYSDEC approval of the remedial design was received in a letter dated September 19, 2002.

Four recovery wells were installed in January, 2003. The fifth recovery well could not be installed due to the proximity of numerous underground utility lines. Groundwater modeling conducted for the design of the hydraulic control system (appended to the remedial design report/work plan) indicates that configuration of the four wells is also capable of providing hydraulic control in the subject area. The wells were installed to depths of 80 feet below grade and were constructed as described in the work plan. The pumps, piping and control systems will be installed in the second quarter 2003, after which the system will be started.

3.0 Schedule

The planned schedule of activities for the next few months is attached.

MAIN BUILDING
PHOTOCIRCUITS

DRUM
STORAGE
AREA

WOODEN BUILDING

METAL BUILDING

BLOCK BUILDING

DRUM STORAGE
PAD

ACID/BASE/
SOLVENT
TANK FARM

MW-14

15

MW-7

14

19

SMP-1/DMP-1

SAS/DAS

12

SMP-3/DMP-3

11

SMP-4/DMP-4

10

9

8

1

SIE
SYSTEM

LEGEND

- UTILITY LINE
- ⊕ MONITOR WELL
- EOS INJECTION POINT
- PILOT STUDY INJECTION POINT
- SHALLOW/DEEP MONITORING POINT



SCALE 1" = 20'



June 6, 2003

Charlie Nehrig
Photocircuits Corporation
31 Sea Cliff Avenue
Glen Cove, NY 11542

RE: January 2003 Status Report Photocircuits Accelerated Anaerobic Bioremediation Pilot

Dear Charlie:

Attached is the January 2003 Status Report for the Photocircuits Accelerated Anaerobic Bioremediation Project. Data from the beginning of the project in August 2000 through January 2003 is provided and discussed. Please let me know if you have any questions.

Sincerely,
TERRA SYSTEMS, INC.

Michael D. Lee, Ph.D.
Vice-President

cc: Andy Barber

FILE#
COPY TO
Baron & Leguid, PC
JUN 09 '03
ROUTE TO

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

Custody Document: P7335

Received: 01/15/2003 16:21

Sampled by: David Harry

Client: Photo Circuits

31 Sea Cliff Avenue
Glen Cove,
NY 11542

Project: Photocircuits Corp.

31 Sea Cliff Avenue
Glen Cove,
NY 11542

JAN 30 03

Manager: Andy Barber

Respectfully submitted,



Laboratory Manager

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

Volatiles - EPA 8260B

Sample: P7335-1

Client Sample ID: MW-3S

Collected: 01/15/2003 11:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1063-8466	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1063-8466	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1063-8466	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1063-8466	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1063-8466	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1063-8466	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B 1063-8466	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1063-8466	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1063-8466	0.63	0.63	ppb	U
67-64-1	Acetone	B 1063-8466	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1063-8466	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1063-8466	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1063-8466	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B 1063-8466	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B 1063-8466	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B 1063-8466	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1063-8466	0.42	0.42	ppb	U
78-93-3	2-Butanone	B 1063-8466	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1063-8466	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1063-8466	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1063-8466	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B 1063-8466	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1063-8466	0.47	0.47	ppb	U
71-43-2	Benzene	B 1063-8466	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1063-8466	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 1063-8466	0.46	29.1	ppb	B
78-87-5	1,2-Dichloropropane	B 1063-8466	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1063-8466	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1063-8466	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1063-8466	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1063-8466	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1063-8466	3.08	3.08	ppb	U
108-88-3	Toluene	B 1063-8466	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1063-8466	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

Volatiles - EPA 8260B

Sample: P7335-1...continue

Client Sample ID: MW-3S

Collected: 01/15/2003 11:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B1063-8466	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B1063-8466	0.62	5.10	ppb	
142-28-9	1,3-Dichloropropane	B1063-8466	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B1063-8466	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B1063-8466	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B1063-8466	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B1063-8466	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1063-8466	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B1063-8466	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1063-8466	0.76	0.76	ppb	U
95-47-6	o-xylene	B1063-8466	0.33	0.33	ppb	U
100-42-5	Styrene	B1063-8466	0.40	0.40	ppb	U
75-25-2	Bromoform	B1063-8466	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B1063-8466	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B1063-8466	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1063-8466	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B1063-8466	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B1063-8466	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B1063-8466	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1063-8466	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B1063-8466	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B1063-8466	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B1063-8466	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1063-8466	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B1063-8466	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B1063-8466	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B1063-8466	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B1063-8466	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B1063-8466	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B1063-8466	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B1063-8466	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1063-8466	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1063-8466	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1063-8466	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

Volatiles - EPA 8260B

Sample: P7335-1...continue

Client Sample ID: MW-3S

Collected: 01/15/2003 11:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1063-8466	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1063-8466	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1063-8466	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1063-8466	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1063-8466	105.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1063-8466	103.0 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

Volatiles - EPA 8260B

Sample: P7335-2

Client Sample ID: MW-4S

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Type: Grab

Collected: 01/15/2003 14:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1063-8467	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1063-8467	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1063-8467	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1063-8467	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1063-8467	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1063-8467	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B 1063-8467	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1063-8467	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1063-8467	0.63	0.63	ppb	U
67-64-1	Acetone	B 1063-8467	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1063-8467	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1063-8467	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1063-8467	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B 1063-8467	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B 1063-8467	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B 1063-8467	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1063-8467	0.42	6.40	ppb	
78-93-3	2-Butanone	B 1063-8467	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1063-8467	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1063-8467	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1063-8467	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B 1063-8467	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1063-8467	0.47	0.47	ppb	U
71-43-2	Benzene	B 1063-8467	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1063-8467	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 1063-8467	0.46	51.9	ppb	B
78-87-5	1,2-Dichloropropane	B 1063-8467	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1063-8467	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1063-8467	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1063-8467	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1063-8467	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1063-8467	3.08	3.08	ppb	U
108-88-3	Toluene	B 1063-8467	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1063-8467	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

Volatiles - EPA 8260B

Sample: P7335-2...continue

Client Sample ID: MW-4S

Collected: 01/15/2003 14:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1063-8467	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1065-8507	62.0	3600	ppb	
142-28-9	1,3-Dichloropropane	B 1063-8467	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1063-8467	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1063-8467	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1063-8467	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1063-8467	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1063-8467	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1063-8467	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1063-8467	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1063-8467	0.33	0.33	ppb	U
100-42-5	Styrene	B 1063-8467	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1063-8467	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1063-8467	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1063-8467	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1063-8467	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1063-8467	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1063-8467	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1063-8467	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1063-8467	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1063-8467	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B 1063-8467	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1063-8467	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1063-8467	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1063-8467	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1063-8467	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1063-8467	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1063-8467	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1063-8467	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1063-8467	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1063-8467	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1063-8467	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1063-8467	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1063-8467	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

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01/22/2003

Volatiles - EPA 8260B

Sample: P7335-2...continue

Client Sample ID: MW-4S

Collected: 01/15/2003 14:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1063-8467	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1063-8467	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1063-8467	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	1-BROMOFLUOROBENZENE	B1063-8467	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1063-8467	104.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1063-8467	104.0 %	(88 - 114)	
460-00-4	1-BROMOFLUOROBENZENE	B1065-8507	107.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1065-8507	107.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1065-8507	104.0 %	(88 - 114)	



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01/22/2003

Volatiles - EPA 8260B

Sample: P7335-4

Client Sample ID: Trip Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Blank

Collected: 01/15/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1063-8463	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1063-8463	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1063-8463	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1063-8463	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1063-8463	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1063-8463	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B 1063-8463	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1063-8463	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1063-8463	0.63	0.63	ppb	U
67-64-1	Acetone	B 1063-8463	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1063-8463	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1063-8463	0.63	7.10	ppb	
156-60-5	t-1,2-Dichloroethene	B 1063-8463	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B 1063-8463	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B 1063-8463	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B 1063-8463	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1063-8463	0.42	0.42	ppb	U
78-93-3	2-Butanone	B 1063-8463	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1063-8463	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1063-8463	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1063-8463	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B 1063-8463	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1063-8463	0.47	0.47	ppb	U
71-43-2	Benzene	B 1063-8463	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1063-8463	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 1063-8463	0.46	0.46	ppb	U
78-87-5	1,2-Dichloropropane	B 1063-8463	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1063-8463	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1063-8463	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1063-8463	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1063-8463	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1063-8463	3.08	3.08	ppb	U
108-88-3	Toluene	B 1063-8463	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1063-8463	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

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01/22/2003

Volatiles - EPA 8260B

Sample: P7335-4...continue

Client Sample ID: Trip Blank

Collected: 01/15/2003

Matrix: Liquid

Type: Blank

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B1063-8463	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B1063-8463	0.62	0.62	ppb	U
142-28-9	1,3-Dichloropropane	B1063-8463	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B1063-8463	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B1063-8463	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B1063-8463	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B1063-8463	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1063-8463	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B1063-8463	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1063-8463	0.76	0.76	ppb	U
95-47-6	o-xylene	B1063-8463	0.33	0.33	ppb	U
100-42-5	Styrene	B1063-8463	0.40	0.40	ppb	U
75-25-2	Bromoform	B1063-8463	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B1063-8463	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B1063-8463	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1063-8463	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B1063-8463	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B1063-8463	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B1063-8463	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1063-8463	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B1063-8463	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B1063-8463	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B1063-8463	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1063-8463	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B1063-8463	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B1063-8463	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B1063-8463	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B1063-8463	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B1063-8463	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B1063-8463	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B1063-8463	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1063-8463	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1063-8463	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1063-8463	0.70	0.70	ppb	U



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01/22/2003

Volatiles - EPA 8260B

Sample: P7335-4...continue

Client Sample ID: Trip Blank

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Collected: 01/15/2003

Type: Blank

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1063-8463	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1063-8463	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1063-8463	0.61	0.61	ppb	U

Surrogate Results

Gas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1063-8463	106.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1063-8463	103.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1063-8463	103.0 %	(88 - 114)	



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01/22/2003

Volatiles - EPA 8260B in AIR

Sample: P7335-3

Client Sample ID: Pre-Treatment

Matrix: Air

Remarks:

Analyzed Date: 01/21/2003

Type: Grab

Collected: 01/15/2003 14:00

Volume: 5 L

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1067-8549	0.0066	0.0066	mg/M3	U
74-87-3	Chloromethane	B1067-8549	0.011	0.011	mg/M3	U
75-01-4	Vinyl Chloride	B1067-8549	0.012	0.012	mg/M3	U
74-83-9	Bromomethane	B1067-8549	0.011	0.011	mg/M3	U
75-00-3	Chloroethane	B1067-8549	0.012	0.012	mg/M3	U
75-69-4	Trichlorofluoromethane	B1067-8549	0.018	0.018	mg/M3	U
75-35-4	1,1-Dichloroethene	B1067-8549	0.015	0.015	mg/M3	U
75-09-2	Methylene Chloride	B1067-8549	0.013	0.013	mg/M3	U
156-60-5	t-1,2-Dichloroethene	B1067-8549	0.010	0.010	mg/M3	U
75-34-3	1,1-Dichloroethane	B1067-8549	0.012	0.012	mg/M3	U
590-20-7	2,2-Dichloropropane	B1067-8549	0.0099	0.0099	mg/M3	U
156-59-2	c-1,2-Dichloroethene	B1067-8549	0.011	0.011	mg/M3	U
67-66-3	Chloroform	B1067-8549	0.011	0.011	mg/M3	U
74-97-5	Bromochloromethane	B1067-8549	0.014	0.014	mg/M3	U
71-55-6	1,1,1-Trichloroethane	B1067-8549	0.013	0.013	mg/M3	U
563-58-6	1,1-Dichloropropene	B1067-8549	0.016	0.016	mg/M3	U
56-23-5	Carbon Tetrachloride	B1067-8549	0.011	0.011	mg/M3	U
107-06-2	1,2 Dichloroethane	B1067-8549	0.011	0.011	mg/M3	U
71-43-2	Benzene	B1067-8549	0.011	0.011	mg/M3	U
79-01-6	Trichloroethene	B1067-8549	0.014	0.13	mg/M3	
78-87-5	1,2-Dichloropropane	B1067-8549	0.011	0.011	mg/M3	U
75-27-4	Bromodichloromethane	B1067-8549	0.011	0.011	mg/M3	U
74-95-3	Dibromomethane	B1067-8549	0.015	0.015	mg/M3	U
10061-01-5	c-1,3-Dichloropropene	B1067-8549	0.011	0.011	mg/M3	U
108-88-3	Toluene	B1067-8549	0.011	0.011	mg/M3	U
10061-02-6	t-1,3-Dichloropropene	B1067-8549	0.0078	0.0078	mg/M3	U
79-00-5	1,1,2-Trichloroethane	B1067-8549	0.013	0.013	mg/M3	U
142-28-9	1,3-Dichloropropane	B1067-8549	0.015	0.015	mg/M3	U
127-18-4	Tetrachloroethene	B1068-8562	0.034	5.74	mg/M3	
124-48-1	Dibromochloromethane	B1067-8549	0.012	0.012	mg/M3	U
106-93-4	1,2-Dibromoethane	B1067-8549	0.011	0.011	mg/M3	U
108-90-7	Chlorobenzene	B1067-8549	0.012	0.012	mg/M3	U
630-20-6	1,1,1,2-Tetrachloroethane	B1067-8549	0.010	0.010	mg/M3	U
100-41-4	Ethylbenzene	B1067-8549	0.012	0.012	mg/M3	U



Environmental Testing Laboratories, Inc.

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01/22/2003

Volatiles - EPA 8260B in AIR

Sample: P7335-3...continue

Client Sample ID: Pre-Treatment

Matrix: Air

Remarks:

Analyzed Date: 01/21/2003

Type: Grab

Collected: 01/15/2003 14:00

Volume: 5 L

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
108-38-3	m,p-xylene	B1067-8549	0.026	0.026	mg/M3	U
95-47-6	o-xylene	B1067-8549	0.010	0.010	mg/M3	U
100-42-5	Styrene	B1067-8549	0.012	0.012	mg/M3	U
98-82-8	Isopropylbenzene	B1067-8549	0.0099	0.0099	mg/M3	U
75-25-2	Bromoform	B1067-8549	0.0087	0.0087	mg/M3	U
79-34-5	1,1,2,2-Tetrachloroethane	B1067-8549	0.011	0.011	mg/M3	U
96-18-4	1,2,3-Trichloropropane	B1067-8549	0.018	0.018	mg/M3	U
103-65-1	n-Propylbenzene	B1067-8549	0.010	0.010	mg/M3	U
108-86-1	Bromobenzene	B1067-8549	0.010	0.010	mg/M3	U
108-67-8	1,3,5-Trimethylbenzene	B1067-8549	0.0084	0.0084	mg/M3	U
95-49-8	2-Chlorotoluene	B1067-8549	0.012	0.012	mg/M3	U
106-43-4	4-Chlorotoluene	B1067-8549	0.014	0.014	mg/M3	U
99-87-6	4-Isopropyltoluene	B1067-8549	0.013	0.013	mg/M3	U
95-63-6	1,2,4-trimethylbenzene	B1067-8549	0.012	0.012	mg/M3	U
135-98-8	sec-Butylbenzene	B1067-8549	0.011	0.011	mg/M3	U
98-06-6	tert-Butylbenzene	B1067-8549	0.017	0.017	mg/M3	U
541-73-1	1,3 Dichlorobenzene	B1067-8549	0.014	0.014	mg/M3	U
106-46-7	1,4-Dichlorobenzene	B1067-8549	0.011	0.011	mg/M3	U
104-51-8	n-Butylbenzene	B1067-8549	0.014	0.034	mg/M3	
95-50-1	1,2-Dichlorobenzene	B1067-8549	0.012	0.012	mg/M3	U
96-12-8	1,2-Dibromo-3-chloropropane	B1067-8549	0.021	0.021	mg/M3	U
120-82-1	1,2,4-Trichlorobenzene	B1067-8549	0.014	0.014	mg/M3	U
87-68-3	Hexachlorobutadiene	B1067-8549	0.028	0.028	mg/M3	U
91-20-3	Naphthalene	B1067-8549	0.023	0.023	mg/M3	U
87-61-6	1,2,3-Trichlorobenzene	B1067-8549	0.029	0.029	mg/M3	U
1634-04-4	MTBE	B1067-8549	0.023	0.023	mg/M3	U



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01/22/2003

Volatiles - EPA 8260B in AIR

Sample: P7335-3...continue

Client Sample ID: Pre-Treatment

Matrix: Air

Remarks:

Analyzed Date: 01/21/2003

Type: Grab

Collected: 01/15/2003 14:00

Volume: 5 L

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1067-8549	104.0 %	(77 - 128)	
4774-33-8	DIBROMOFLUOROMETHANE	B1067-8549	90.0 %	(69 - 157)	
2037-26-5	TOLUENE-D8	B1067-8549	98.4 %	(70 - 124)	
460-00-4	4-BROMOFLUOROBENZENE	B1068-8562	92.8 %	(77 - 128)	
4774-33-8	DIBROMOFLUOROMETHANE	B1068-8562	88.6 %	(69 - 157)	
2037-26-5	TOLUENE-D8	B1068-8562	95.5 %	(70 - 124)	



Environmental Testing Laboratories, Inc.

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01/22/2003

Case Narrative

VOLATILES by EPA 8260:

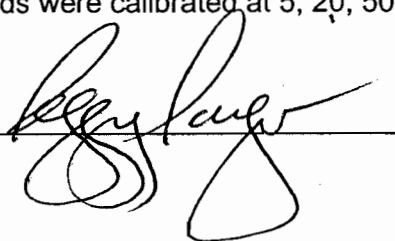
The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Reviewed by: _____

A handwritten signature in black ink, written over a horizontal line. The signature is cursive and appears to read "B. J. Lawrence".

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/22/2003

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is a non-detect.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution. In the case of a surrogate this flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- * - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

OTHER

- All soil and sediment samples are reported on a dry weight basis.



03-00343
P7335

Rec'd Date: 01/15/03 16:21

CHAIN OF CUSTODY DOCUMENT



P 07335

Project Name: <i>Phthalic Acids</i>		Project Manager: <i>Andy Baerlein</i>		Sampler (Signature): <i>David Henry</i> (Print): <i>David Henry 315 457 5200</i>	
Project Address: <i>3145 Sea Cliff Ave</i>		Client: <i>Phthalic Acids JUN-643001</i>		418-1 - TRPH	
Type: <i>SS = Split Spoon; G = Grab; C = Composite; B = Blank</i>		Matrix: <i>L = Liquid; S = Soil; SL = Sludge; A = Air; W = Wipe</i>		PH/Flash/React	
SAMPLE INFO		Rush by: <i>1 1</i>		BCRA Metals	
ID	Date	Time	Type	Matrix	Sample Location
1	1/15/03	1100	G	L	MW-35
2	1/15/03	1430	G	L	MW-45
3	1/15/03	1400	G	A	Acc-Treatment
4	-	-	-	-	TRIP Blank
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Relinquished by (Signature): <i>David Henry</i>		Date: <i>1/15/03</i>		Received by (Signature):	
Relinquished by (Signature): <i>David Henry</i>		Time: <i>1605</i>		Date:	
Relinquished by (Signature):		Date:		Time:	
Comments & Special Instructions: <i>15 day TAT</i>		QA/QC Type:		Printed Name & Agent:	
Received for Lab by (Signature): <i>David Henry</i>		Date: <i>1-15-03</i>		Date:	
Number & Type of Containers: <i>7-Vials 1-Tedlar Bag</i>		Time: <i>16:31</i>		Time:	
Preservatives: <i>HCl-Vials</i>		Printed Name: <i>David Henry</i>		Printed Name & Agent:	
Temp: <i>50c</i>		Temp: <i>50c</i>		Temp:	

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2 of 2

P 07335

Project Name: <i>Pharmaceuticals</i>		Project Manager: <i>Andy Barone</i>		Sampler (Signature): <i>David Hunny</i>		(Print): <i>David Hunny 315 457 5300</i>	
Project Address: <i>31 Five Year City Ave</i>		Rush by: <i>1 1</i>		601/602 BTX/BTEX MTBE 624/8260/8021 625/8270/BN PCB/Pesticides Pet. Prods./8100M RCRA Metals pH/Flash/React 418.1 - TRPH			
Client: <i>Pharmaceuticals JN613001</i>							
Type: SS = Spill Spoon, G = Grab, C = Composite, B = Blank Matrix: L = Liquid, S = Soil, SL = Sludge, A = Air, W = Wipe *Ar - Vol. (liters), Include: Flow (CFM)							
ID	Date	Time	Type	Matrix	Sample Location	Total # Cont.	
1	1/15/03	1100	L	L	MMW-35	2	
2	1/15/03	1430	S	L	MMW-45	2	
3	1/15/03	1400	S	A	Pre-treatment	1	
4	-	-	-	-	TRIP Blank	3	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
Relinquished by (Signature): <i>David Hunny</i>		Date	Printed Name & Agent:		Received by (Signature):		
		1/15/03	<i>David Hunny</i>		Date		
Relinquished by (Signature):		Time	Printed Name & Agent:		Time		
		1605	<i>David Hunny</i>		Printed Name & Agent:		
Comments & Special Instructions:		Date	QA/QC Type:		Received for Lab by (Signature):		
<i>5 day TAT</i>					Date		
		Time			Time		
					Printed Name		
					Temp:		
					<i>50c</i>		

03-00343

P7335

Rec'd Date: 01/15/03 16:21

CHAIN OF CUSTODY DOCUMENT



2 of 2

P 07335

Project Name: *Phthalic Acids* Project Manager: *Andy Bazzell*

Project Address: *3145 Sea Cliff Ave*

Client: *Phthalic Acids* JN: *643001* Rush by *1 1*

SAMPLE INFO Type: *SS = Spill Spoon; G = Grab; C = Composite; B = Blank* *Air - Vol. (Liters) Matrix: *L = Liquid; S = Soil; SL = Sludge; A = Air; W = Wipe* Include Flow (CFM)

ID Date Time Type Matrix Sample Location Total # Cont.

1 *1/15/03* *1100* *G* *L* *MW-35* 2

2 *1/15/03* *1430* *G* *L* *MW-45* 2

3 *1/15/03* *1400* *G* *A* *Pre-Treatment* 1

4 *-* *-* *-* *-* *Trip Blank* 3

5

6

7

8

9

10

11

12

13

14

15

Relinquished by (Signature):

Date: *1/15/03* Printed Name & Agent: *David Henry Barber Recyclables*

Relinquished by (Signature):

Date: *1/15/03* Printed Name & Agent:

Comments & Special Instructions: *45 day TAT*

Sampler (Signature): *David Henry* (Print): *David Henry 315 457 5200*

- 601/602
- BTX/BTEX
- MTBE
- 624 (6260) 8021 *LD*
- 625/8270/BN
- PCB/Pesticides
- Pet. Prods./8100M
- RCRA Metals
- pH/Flash/React
- 418.1 - TRPH

Received by (Signature):

Date: *1-15-03* Printed Name & Agent: *Ken Bous*

Received for (Signature):

Date: *1-15-03* Printed Name: *Ken Bous*

Number & Type of Containers: *7-Vials 1-Tedlar Bag* Preservatives: *HCl-Veal's* Temp: *50c*

Environmental Testing Laboratories, Inc.

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01/24/2003

Custody Document: P7334

Received: 01/15/2003 16:21

Sampled by: David Harry

Client: Photo Circuits

31 Sea Cliff Avenue
Glen Cove,
NY 11542

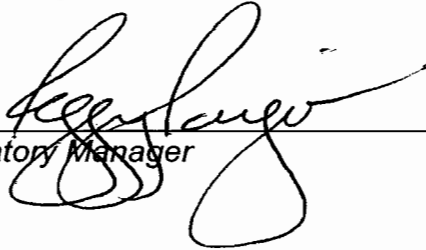
JAN 30 03

Project: Photocircuits Corp.

31 Sea Cliff Avenue
Glen Cove,
NY 11542

Manager: Andy Barber

Respectfully submitted,



Laboratory Manager

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/24/2003

Volatiles - EPA 8260B

Sample: P7334-1

Client Sample ID: SMP-1

Collected: 01/13/2003 15:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8440	3.76	3.76	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8440	2.00	2.00	ppb	U
74-87-3	Chloromethane	B 1062-8440	2.24	2.24	ppb	U
75-01-4	Vinyl Chloride	B 1062-8440	2.04	2.04	ppb	U
74-83-9	Bromomethane	B 1062-8440	3.72	3.72	ppb	U
75-00-3	Chloroethane	B 1062-8440	1.96	38.7	ppb	
75-69-4	Trichlorofluoromethane	B 1062-8440	2.36	2.36	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8440	2.08	2.08	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8440	2.52	2.52	ppb	U
67-64-1	Acetone	B 1062-8440	45.3	45.3	ppb	U
75-15-0	Carbon disulfide	B 1062-8440	2.16	2.16	ppb	U
75-09-2	Methylene Chloride	B 1062-8440	2.52	2.52	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8440	1.84	1.84	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8440	2.32	2.32	ppb	U
75-34-3	1,1-Dichloroethane	B 1062-8440	1.72	29.5	ppb	
590-20-7	2,2-Dichloropropane	B 1062-8440	3.28	3.28	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1062-8440	1.68	1.68	ppb	U
78-93-3	2-Butanone	B 1062-8440	66.1	66.1	ppb	U
74-97-5	Bromochloromethane	B 1062-8440	2.00	2.00	ppb	U
67-66-3	Chloroform	B 1062-8440	2.80	2.80	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1062-8440	1.40	1.40	ppb	U
56-23-5	Carbon Tetrachloride	B 1062-8440	2.08	2.08	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8440	1.88	1.88	ppb	U
71-43-2	Benzene	B 1062-8440	1.60	22.8	ppb	
107-06-2	1,2-Dichloroethane	B 1062-8440	0.92	0.92	ppb	U
79-01-6	Trichloroethene	B 1062-8440	1.84	1.84	ppb	U
78-87-5	1,2-Dichloropropane	B 1062-8440	1.08	1.08	ppb	U
74-95-3	Dibromomethane	B 1062-8440	0.80	0.80	ppb	U
75-27-4	Bromodichloromethane	B 1062-8440	1.00	1.00	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8440	4.16	4.16	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8440	1.60	1.60	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8440	12.3	12.3	ppb	U
108-88-3	Toluene	B 1062-8440	1.52	25.7	ppb	
10061-02-6	t-1,3-Dichloropropene	B 1062-8440	1.12	1.12	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-1...continue

Client Sample ID: SMP-1

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/13/2003 15:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8440	2.04	2.04	ppb	U
127-18-4	Tetrachloroethene	B 1062-8440	2.48	2.48	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8440	1.04	1.04	ppb	U
591-78-6	2-Hexanone	B 1062-8440	6.60	6.60	ppb	U
124-48-1	Dibromochloromethane	B 1062-8440	1.00	1.00	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8440	0.92	0.92	ppb	U
108-90-7	Chlorobenzene	B 1062-8440	1.68	1.68	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8440	1.36	1.36	ppb	U
100-41-4	Ethylbenzene	B 1062-8440	2.12	2.12	ppb	U
108-38-3	m,p-xylene	B 1062-8440	3.04	3.04	ppb	U
95-47-6	o-xylene	B 1062-8440	1.32	1.32	ppb	U
100-42-5	Styrene	B 1062-8440	1.60	1.60	ppb	U
75-25-2	Bromoform	B 1062-8440	1.04	1.04	ppb	U
98-82-8	Isopropylbenzene	B 1062-8440	1.72	1.72	ppb	U
108-86-1	Bromobenzene	B 1062-8440	1.88	1.88	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8440	2.32	2.32	ppb	U
103-65-1	n-Propylbenzene	B 1062-8440	2.48	2.48	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8440	1.88	1.88	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8440	2.48	2.48	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8440	2.28	2.28	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8440	1.52	1.52	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8440	2.20	2.20	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8440	2.20	2.20	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8440	2.40	2.40	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8440	2.44	2.44	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8440	2.68	2.68	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8440	2.12	2.12	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8440	2.04	2.04	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8440	1.80	1.80	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8440	2.76	2.76	ppb	U
104-51-8	n-Butylbenzene	B 1062-8440	2.92	2.92	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8440	3.44	3.44	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8440	1.84	1.84	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8440	2.80	2.80	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-1...continue

Client Sample ID: SMP-1

Collected: 01/13/2003 15:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8440	11.8	11.8	ppb	U
91-20-3	Naphthalene	B1062-8440	3.76	3.76	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8440	2.44	2.44	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8440	104.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8440	102.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8440	103.0 %	(88 - 114)	



Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-2

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8441	4.70	4.70	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8441	2.50	2.50	ppb	U
74-87-3	Chloromethane	B1062-8441	2.80	2.80	ppb	U
75-01-4	Vinyl Chloride	B1064-8492	10.2	1780	ppb	
74-83-9	Bromomethane	B1062-8441	4.65	4.65	ppb	U
75-00-3	Chloroethane	B1062-8441	2.45	2.45	ppb	U
75-69-4	Trichlorofluoromethane	B1062-8441	2.95	2.95	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8441	2.60	2.60	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8441	3.15	3.15	ppb	U
67-64-1	Acetone	B1062-8441	56.6	56.6	ppb	U
75-15-0	Carbon disulfide	B1062-8441	2.70	2.70	ppb	U
75-09-2	Methylene Chloride	B1062-8441	3.15	3.15	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8441	2.30	2.30	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8441	2.90	2.90	ppb	U
75-34-3	1,1-Dichloroethane	B1062-8441	2.15	486	ppb	
590-20-7	2,2-Dichloropropane	B1062-8441	4.10	4.10	ppb	U
156-59-2	c-1,2-Dichloroethene	B1064-8492	8.40	1610	ppb	
78-93-3	2-Butanone	B1062-8441	82.7	82.7	ppb	U
74-97-5	Bromochloromethane	B1062-8441	2.50	2.50	ppb	U
67-66-3	Chloroform	B1062-8441	3.50	3.50	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8441	1.75	1.75	ppb	U
56-23-5	Carbon Tetrachloride	B1062-8441	2.60	2.60	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8441	2.35	2.35	ppb	U
71-43-2	Benzene	B1062-8441	2.00	98.0	ppb	
107-06-2	1,2-Dichloroethane	B1062-8441	1.15	1.15	ppb	U
79-01-6	Trichloroethene	B1062-8441	2.30	2.30	ppb	U
78-87-5	1,2-Dichloropropane	B1062-8441	1.35	1.35	ppb	U
74-95-3	Dibromomethane	B1062-8441	1.00	1.00	ppb	U
75-27-4	Bromodichloromethane	B1062-8441	1.25	1.25	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8441	5.20	5.20	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8441	2.00	2.00	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8441	15.4	15.4	ppb	U
108-88-3	Toluene	B1062-8441	1.90	14.4	ppb	
10061-02-6	t-1,3-Dichloropropene	B1062-8441	1.40	1.40	ppb	U



Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-2...continue

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8441	2.55	2.55	ppb	U
127-18-4	Tetrachloroethene	B 1062-8441	3.10	3.10	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8441	1.30	1.30	ppb	U
591-78-6	2-Hexanone	B 1062-8441	8.25	8.25	ppb	U
124-48-1	Dibromochloromethane	B 1062-8441	1.25	1.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8441	1.15	1.15	ppb	U
108-90-7	Chlorobenzene	B 1062-8441	2.10	2.10	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8441	1.70	1.70	ppb	U
100-41-4	Ethylbenzene	B 1062-8441	2.65	2.65	ppb	U
108-38-3	m,p-xylene	B 1062-8441	3.80	3.80	ppb	U
95-47-6	o-xylene	B 1062-8441	1.65	1.65	ppb	U
100-42-5	Styrene	B 1062-8441	2.00	2.00	ppb	U
75-25-2	Bromoform	B 1062-8441	1.30	1.30	ppb	U
98-82-8	Isopropylbenzene	B 1062-8441	2.15	2.15	ppb	U
108-86-1	Bromobenzene	B 1062-8441	2.35	2.35	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8441	2.90	2.90	ppb	U
103-65-1	n-Propylbenzene	B 1062-8441	3.10	3.10	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8441	2.35	2.35	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8441	3.10	3.10	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8441	2.85	2.85	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8441	1.90	36.2	ppb	
106-43-4	4-Chlorotoluene	B 1062-8441	2.75	2.75	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8441	2.75	2.75	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8441	3.00	3.00	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8441	3.05	3.05	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8441	3.35	3.35	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8441	2.65	2.65	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8441	2.55	2.55	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8441	2.25	2.25	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8441	3.45	3.45	ppb	U
104-51-8	n-Butylbenzene	B 1062-8441	3.65	3.65	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8441	4.30	4.30	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8441	2.30	2.30	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8441	3.50	3.50	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-2...continue

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8441	14.8	14.8	ppb	U
91-20-3	Naphthalene	B1062-8441	4.70	4.70	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8441	3.05	3.05	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8441	104.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8441	102.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8441	102.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8492	107.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8492	108.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8492	105.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-3

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8442	9.40	9.40	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8442	5.00	5.00	ppb	U
74-87-3	Chloromethane	B 1062-8442	5.60	5.60	ppb	U
75-01-4	Vinyl Chloride	B 1062-8442	5.10	5.10	ppb	U
74-83-9	Bromomethane	B 1062-8442	9.30	9.30	ppb	U
75-00-3	Chloroethane	B 1062-8442	4.90	519	ppb	
75-69-4	Trichlorofluoromethane	B 1062-8442	5.90	5.90	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8442	5.20	5.20	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8442	6.30	312	ppb	
67-64-1	Acetone	B 1062-8442	113	113	ppb	U
75-15-0	Carbon disulfide	B 1062-8442	5.40	5.40	ppb	U
75-09-2	Methylene Chloride	B 1062-8442	6.30	6.30	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8442	4.60	4.60	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8442	5.80	5.80	ppb	U
75-34-3	1,1-Dichloroethane	B 1064-8493	21.5	7160	ppb	
590-20-7	2,2-Dichloropropane	B 1062-8442	8.20	8.20	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1062-8442	4.20	4.20	ppb	U
78-93-3	2-Butanone	B 1062-8442	165	165	ppb	U
74-97-5	Bromochloromethane	B 1062-8442	5.00	5.00	ppb	U
67-66-3	Chloroform	B 1062-8442	7.00	7.00	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1064-8493	17.5	5780	ppb	
56-23-5	Carbon Tetrachloride	B 1062-8442	5.20	5.20	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8442	4.70	4.70	ppb	U
71-43-2	Benzene	B 1062-8442	4.00	4.00	ppb	U
107-06-2	1,2-Dichloroethane	B 1062-8442	2.30	2.30	ppb	U
79-01-6	Trichloroethene	B 1062-8442	4.60	4.60	ppb	U
78-87-5	1,2-Dichloropropane	B 1062-8442	2.70	2.70	ppb	U
74-95-3	Dibromomethane	B 1062-8442	2.00	2.00	ppb	U
75-27-4	Bromodichloromethane	B 1062-8442	2.50	2.50	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8442	10.4	10.4	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8442	4.00	4.00	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8442	30.8	30.8	ppb	U
108-88-3	Toluene	B 1062-8442	3.80	33.2	ppb	
10061-02-6	t-1,3-Dichloropropene	B 1062-8442	2.80	2.80	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-3...continue

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8442	5.10	5.10	ppb	U
127-18-4	Tetrachloroethene	B 1062-8442	6.20	6.20	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8442	2.60	2.60	ppb	U
591-78-6	2-Hexanone	B 1062-8442	16.5	16.5	ppb	U
124-48-1	Dibromochloromethane	B 1062-8442	2.50	2.50	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8442	2.30	2.30	ppb	U
108-90-7	Chlorobenzene	B 1062-8442	4.20	4.20	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8442	3.40	3.40	ppb	U
100-41-4	Ethylbenzene	B 1062-8442	5.30	5.30	ppb	U
108-38-3	m,p-xylene	B 1062-8442	7.60	7.60	ppb	U
95-47-6	o-xylene	B 1062-8442	3.30	3.30	ppb	U
100-42-5	Styrene	B 1062-8442	4.00	4.00	ppb	U
75-25-2	Bromoform	B 1062-8442	2.60	2.60	ppb	U
98-82-8	Isopropylbenzene	B 1062-8442	4.30	4.30	ppb	U
108-86-1	Bromobenzene	B 1062-8442	4.70	4.70	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	B 1062-8442	5.80	5.80	ppb	U
103-65-1	n-Propylbenzene	B 1062-8442	6.20	6.20	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8442	4.70	4.70	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8442	6.20	6.20	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8442	5.70	5.70	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8442	3.80	3.80	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8442	5.50	5.50	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8442	5.50	5.50	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8442	6.00	6.00	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8442	6.10	6.10	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8442	6.70	6.70	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8442	5.30	5.30	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8442	5.10	5.10	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8442	4.50	4.50	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8442	6.90	6.90	ppb	U
104-51-8	n-Butylbenzene	B 1062-8442	7.30	7.30	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8442	8.60	8.60	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8442	4.60	4.60	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8442	7.00	7.00	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-3...continue

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8442	29.5	29.5	ppb	U
91-20-3	Naphthalene	B1062-8442	9.40	9.40	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8442	6.10	6.10	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8442	106.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8442	104.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8442	103.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8493	107.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8493	109.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8493	105.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-4

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8443	47.0	47.0	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8443	25.0	25.0	ppb	U
74-87-3	Chloromethane	B 1062-8443	28.0	28.0	ppb	U
75-01-4	Vinyl Chloride	B 1062-8443	25.5	25.5	ppb	U
74-83-9	Bromomethane	B 1062-8443	46.5	46.5	ppb	U
75-00-3	Chloroethane	B 1064-8494	49.0	9050	ppb	
75-69-4	Trichlorofluoromethane	B 1062-8443	29.5	29.5	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8443	26.0	26.0	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8443	31.5	31.5	ppb	U
67-64-1	Acetone	B 1062-8443	566	566	ppb	U
75-15-0	Carbon disulfide	B 1062-8443	27.0	27.0	ppb	U
75-09-2	Methylene Chloride	B 1062-8443	31.5	31.5	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8443	23.0	23.0	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8443	29.0	29.0	ppb	U
75-34-3	1,1-Dichloroethane	B 1064-8494	43.0	10800	ppb	
590-20-7	2,2-Dichloropropane	B 1062-8443	41.0	41.0	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1062-8443	21.0	21.0	ppb	U
78-93-3	2-Butanone	B 1062-8443	826	826	ppb	U
74-97-5	Bromochloromethane	B 1062-8443	25.0	25.0	ppb	U
67-66-3	Chloroform	B 1062-8443	35.0	35.0	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1062-8443	17.5	5970	ppb	
56-23-5	Carbon Tetrachloride	B 1062-8443	26.0	26.0	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8443	23.5	23.5	ppb	U
71-43-2	Benzene	B 1062-8443	20.0	20.0	ppb	U
107-06-2	1,2-Dichloroethane	B 1062-8443	11.5	11.5	ppb	U
79-01-6	Trichloroethene	B 1062-8443	23.0	23.0	ppb	U
78-87-5	1,2-Dichloropropane	B 1062-8443	13.5	13.5	ppb	U
74-95-3	Dibromomethane	B 1062-8443	10.0	10.0	ppb	U
75-27-4	Bromodichloromethane	B 1062-8443	12.5	12.5	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8443	52.0	52.0	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8443	20.0	20.0	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8443	154	154	ppb	U
108-88-3	Toluene	B 1062-8443	19.0	56.5	ppb	
10061-02-6	t-1,3-Dichloropropene	B 1062-8443	14.0	14.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-4...continue

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8443	25.5	25.5	ppb	U
127-18-4	Tetrachloroethene	B 1062-8443	31.0	31.0	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8443	13.0	13.0	ppb	U
591-78-6	2-Hexanone	B 1062-8443	82.5	82.5	ppb	U
124-48-1	Dibromochloromethane	B 1062-8443	12.5	12.5	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8443	11.5	11.5	ppb	U
108-90-7	Chlorobenzene	B 1062-8443	21.0	21.0	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8443	17.0	17.0	ppb	U
100-41-4	Ethylbenzene	B 1062-8443	26.5	26.5	ppb	U
108-38-3	m,p-xylene	B 1062-8443	38.0	38.0	ppb	U
95-47-6	o-xylene	B 1062-8443	16.5	16.5	ppb	U
100-42-5	Styrene	B 1062-8443	20.0	20.0	ppb	U
75-25-2	Bromoform	B 1062-8443	13.0	13.0	ppb	U
98-82-8	Isopropylbenzene	B 1062-8443	21.5	21.5	ppb	U
108-86-1	Bromobenzene	B 1062-8443	23.5	23.5	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8443	29.0	29.0	ppb	U
103-65-1	n-Propylbenzene	B 1062-8443	31.0	31.0	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8443	23.5	23.5	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8443	31.0	31.0	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8443	28.5	28.5	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8443	19.0	19.0	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8443	27.5	27.5	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8443	27.5	27.5	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8443	30.0	30.0	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8443	30.5	30.5	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8443	33.5	33.5	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8443	26.5	26.5	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8443	25.5	25.5	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8443	22.5	22.5	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8443	34.5	34.5	ppb	U
104-51-8	n-Butylbenzene	B 1062-8443	36.5	36.5	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8443	43.0	43.0	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8443	23.0	23.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8443	35.0	35.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-4...continue

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8443	148	148	ppb	U
91-20-3	Naphthalene	B1062-8443	47.0	47.0	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8443	30.5	30.5	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8443	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8443	103.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8443	104.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8494	108.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8494	110.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8494	103.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-5

Client Sample ID: SMP-4

Collected: 01/13/2003 15:40

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8444	47.0	47.0	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8444	25.0	25.0	ppb	U
74-87-3	Chloromethane	B1062-8444	28.0	28.0	ppb	U
75-01-4	Vinyl Chloride	B1062-8444	25.5	25.5	ppb	U
74-83-9	Bromomethane	B1062-8444	46.5	46.5	ppb	U
75-00-3	Chloroethane	B1062-8444	24.5	1060	ppb	
75-69-4	Trichlorofluoromethane	B1062-8444	29.5	29.5	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8444	26.0	26.0	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8444	31.5	31.5	ppb	U
67-64-1	Acetone	B1062-8444	566	1650	ppb	
75-15-0	Carbon disulfide	B1062-8444	27.0	27.0	ppb	U
75-09-2	Methylene Chloride	B1062-8444	31.5	31.5	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8444	23.0	23.0	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8444	29.0	29.0	ppb	U
75-34-3	1,1-Dichloroethane	B1062-8444	21.5	184	ppb	
590-20-7	2,2-Dichloropropane	B1062-8444	41.0	41.0	ppb	U
156-59-2	c-1,2-Dichloroethene	B1062-8444	21.0	21.0	ppb	U
78-93-3	2-Butanone	B1062-8444	826	826	ppb	U
74-97-5	Bromochloromethane	B1062-8444	25.0	25.0	ppb	U
67-66-3	Chloroform	B1062-8444	35.0	35.0	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8444	17.5	17.5	ppb	U
56-23-5	Carbon Tetrachloride	B1062-8444	26.0	26.0	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8444	23.5	23.5	ppb	U
71-43-2	Benzene	B1062-8444	20.0	20.0	ppb	U
107-06-2	1,2-Dichloroethane	B1062-8444	11.5	11.5	ppb	U
79-01-6	Trichloroethene	B1062-8444	23.0	23.0	ppb	U
78-87-5	1,2-Dichloropropane	B1062-8444	13.5	13.5	ppb	U
74-95-3	Dibromomethane	B1062-8444	10.0	10.0	ppb	U
75-27-4	Bromodichloromethane	B1062-8444	12.5	12.5	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8444	52.0	52.0	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8444	20.0	20.0	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8444	154	154	ppb	U
108-88-3	Toluene	B1062-8444	19.0	19.0	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1062-8444	14.0	14.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-5...continue

Client Sample ID: SMP-4

Collected: 01/13/2003 15:40

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8444	25.5	25.5	ppb	U
127-18-4	Tetrachloroethene	B 1062-8444	31.0	31.0	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8444	13.0	13.0	ppb	U
591-78-6	2-Hexanone	B 1062-8444	82.5	82.5	ppb	U
124-48-1	Dibromochloromethane	B 1062-8444	12.5	12.5	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8444	11.5	11.5	ppb	U
108-90-7	Chlorobenzene	B 1062-8444	21.0	21.0	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8444	17.0	17.0	ppb	U
100-41-4	Ethylbenzene	B 1062-8444	26.5	26.5	ppb	U
108-38-3	m,p-xylene	B 1062-8444	38.0	38.0	ppb	U
95-47-6	o-xylene	B 1062-8444	16.5	16.5	ppb	U
100-42-5	Styrene	B 1062-8444	20.0	20.0	ppb	U
75-25-2	Bromoform	B 1062-8444	13.0	13.0	ppb	U
98-82-8	Isopropylbenzene	B 1062-8444	21.5	21.5	ppb	U
108-86-1	Bromobenzene	B 1062-8444	23.5	23.5	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8444	29.0	29.0	ppb	U
103-65-1	n-Propylbenzene	B 1062-8444	31.0	31.0	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8444	23.5	23.5	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8444	31.0	31.0	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8444	28.5	28.5	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8444	19.0	19.0	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8444	27.5	27.5	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8444	27.5	27.5	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8444	30.0	30.0	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8444	30.5	30.5	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8444	33.5	33.5	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8444	26.5	26.5	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8444	25.5	25.5	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8444	22.5	22.5	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8444	34.5	34.5	ppb	U
104-51-8	n-Butylbenzene	B 1062-8444	36.5	36.5	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8444	43.0	43.0	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8444	23.0	23.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8444	35.0	35.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-5...continue

Client Sample ID: SMP-4

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/13/2003 15:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8444	148	148	ppb	U
91-20-3	Naphthalene	B1062-8444	47.0	47.0	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8444	30.5	30.5	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8444	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8444	102.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8444	104.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-6

Client Sample ID: DMP-4

Collected: 01/13/2003 15:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8446	47.0	47.0	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8446	25.0	25.0	ppb	U
74-87-3	Chloromethane	B 1062-8446	28.0	28.0	ppb	U
75-01-4	Vinyl Chloride	B 1062-8446	25.5	25.5	ppb	U
74-83-9	Bromomethane	B 1062-8446	46.5	46.5	ppb	U
75-00-3	Chloroethane	B 1062-8446	24.5	3510	ppb	
75-69-4	Trichlorofluoromethane	B 1062-8446	29.5	29.5	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8446	26.0	26.0	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8446	31.5	31.5	ppb	U
67-64-1	Acetone	B 1062-8446	566	566	ppb	U
75-15-0	Carbon disulfide	B 1062-8446	27.0	27.0	ppb	U
75-09-2	Methylene Chloride	B 1062-8446	31.5	31.5	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8446	23.0	23.0	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8446	29.0	29.0	ppb	U
75-34-3	1,1-Dichloroethane	B 1062-8446	21.5	21.5	ppb	U
590-20-7	2,2-Dichloropropane	B 1062-8446	41.0	41.0	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1062-8446	21.0	21.0	ppb	U
78-93-3	2-Butanone	B 1062-8446	826	826	ppb	U
74-97-5	Bromochloromethane	B 1062-8446	25.0	25.0	ppb	U
67-66-3	Chloroform	B 1062-8446	35.0	35.0	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1062-8446	17.5	17.5	ppb	U
56-23-5	Carbon Tetrachloride	B 1062-8446	26.0	26.0	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8446	23.5	23.5	ppb	U
71-43-2	Benzene	B 1062-8446	20.0	20.0	ppb	U
107-06-2	1,2-Dichloroethane	B 1062-8446	11.5	11.5	ppb	U
79-01-6	Trichloroethene	B 1062-8446	23.0	23.0	ppb	U
78-87-5	1,2-Dichloropropane	B 1062-8446	13.5	13.5	ppb	U
74-95-3	Dibromomethane	B 1062-8446	10.0	10.0	ppb	U
75-27-4	Bromodichloromethane	B 1062-8446	12.5	12.5	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8446	52.0	52.0	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8446	20.0	20.0	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8446	154	154	ppb	U
108-88-3	Toluene	B 1062-8446	19.0	19.0	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1062-8446	14.0	14.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-6...continue

Client Sample ID: DMP-4

Collected: 01/13/2003 15:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8446	25.5	25.5	ppb	U
127-18-4	Tetrachloroethene	B 1062-8446	31.0	31.0	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8446	13.0	13.0	ppb	U
591-78-6	2-Hexanone	B 1062-8446	82.5	82.5	ppb	U
124-48-1	Dibromochloromethane	B 1062-8446	12.5	12.5	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8446	11.5	11.5	ppb	U
108-90-7	Chlorobenzene	B 1062-8446	21.0	21.0	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8446	17.0	17.0	ppb	U
100-41-4	Ethylbenzene	B 1062-8446	26.5	26.5	ppb	U
108-38-3	m,p-xylene	B 1062-8446	38.0	38.0	ppb	U
95-47-6	o-xylene	B 1062-8446	16.5	16.5	ppb	U
100-42-5	Styrene	B 1062-8446	20.0	20.0	ppb	U
75-25-2	Bromoform	B 1062-8446	13.0	13.0	ppb	U
98-82-8	Isopropylbenzene	B 1062-8446	21.5	21.5	ppb	U
108-86-1	Bromobenzene	B 1062-8446	23.5	23.5	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8446	29.0	29.0	ppb	U
103-65-1	n-Propylbenzene	B 1062-8446	31.0	31.0	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8446	23.5	23.5	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8446	31.0	31.0	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8446	28.5	28.5	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8446	19.0	19.0	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8446	27.5	27.5	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8446	27.5	27.5	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8446	30.0	30.0	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8446	30.5	30.5	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8446	33.5	33.5	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8446	26.5	26.5	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8446	25.5	25.5	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8446	22.5	22.5	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8446	34.5	34.5	ppb	U
104-51-8	n-Butylbenzene	B 1062-8446	36.5	36.5	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8446	43.0	43.0	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8446	23.0	23.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8446	35.0	35.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-6...continue

Client Sample ID: DMP-4

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/13/2003 15:15

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8446	148	148	ppb	U
91-20-3	Naphthalene	B1062-8446	47.0	47.0	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8446	30.5	30.5	ppb	U

Surrogate Results

Gas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8446	104.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8446	103.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8446	103.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-7

Client Sample ID: MW-8

Collected: 01/15/2003 15:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8447	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8447	0.50	0.50	ppb	U
74-87-3	Chloromethane	B1062-8447	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B1062-8447	0.51	0.51	ppb	U
74-83-9	Bromomethane	B1062-8447	0.93	0.93	ppb	U
75-00-3	Chloroethane	B1062-8447	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B1062-8447	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8447	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8447	0.63	0.63	ppb	U
67-64-1	Acetone	B1062-8447	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B1062-8447	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B1062-8447	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8447	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8447	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B1062-8447	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B1062-8447	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B1062-8447	0.42	0.42	ppb	U
78-93-3	2-Butanone	B1062-8447	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B1062-8447	0.50	0.50	ppb	U
67-66-3	Chloroform	B1062-8447	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8447	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B1062-8447	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8447	0.47	0.47	ppb	U
71-43-2	Benzene	B1062-8447	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B1062-8447	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B1062-8447	0.46	0.46	ppb	U
78-87-5	1,2-Dichloropropane	B1062-8447	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B1062-8447	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B1062-8447	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8447	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8447	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8447	3.08	3.08	ppb	U
108-88-3	Toluene	B1062-8447	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1062-8447	0.28	0.28	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-7...continue

Client Sample ID: MW-8

Collected: 01/15/2003 15:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8447	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1062-8447	0.62	0.62	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8447	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1062-8447	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1062-8447	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8447	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1062-8447	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8447	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1062-8447	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1062-8447	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1062-8447	0.33	0.33	ppb	U
100-42-5	Styrene	B 1062-8447	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1062-8447	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1062-8447	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1062-8447	0.47	0.47	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	B 1062-8447	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1062-8447	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8447	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8447	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8447	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8447	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8447	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8447	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8447	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8447	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8447	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8447	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8447	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8447	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8447	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1062-8447	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8447	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8447	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8447	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-7...continue

Client Sample ID: MW-8

Collected: 01/15/2003 15:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8447	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1062-8447	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8447	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8447	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8447	101.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8447	102.0 %	(88 - 114)	



ENVIRONMENTAL TESTING Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

01/24/2003

Volatiles - EPA 8260B**Sample: P7334-8**

Client Sample ID: MW-9

Collected: 01/14/2003 14:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8448	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8448	0.50	0.50	ppb	U
74-87-3	Chloromethane	B1062-8448	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B1062-8448	0.51	0.51	ppb	U
74-83-9	Bromomethane	B1062-8448	0.93	0.93	ppb	U
75-00-3	Chloroethane	B1062-8448	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B1062-8448	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8448	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8448	0.63	0.63	ppb	U
67-64-1	Acetone	B1062-8448	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B1062-8448	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B1062-8448	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8448	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8448	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B1062-8448	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B1062-8448	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B1062-8448	0.42	0.42	ppb	U
78-93-3	2-Butanone	B1062-8448	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B1062-8448	0.50	0.50	ppb	U
67-66-3	Chloroform	B1062-8448	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8448	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B1062-8448	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8448	0.47	0.47	ppb	U
71-43-2	Benzene	B1062-8448	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B1062-8448	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B1062-8448	0.46	0.46	ppb	U
78-87-5	1,2-Dichloropropane	B1062-8448	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B1062-8448	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B1062-8448	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8448	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8448	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8448	3.08	3.08	ppb	U
108-88-3	Toluene	B1062-8448	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1062-8448	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-8...continue

Client Sample ID: MW-9

Collected: 01/14/2003 14:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8448	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1062-8448	0.62	0.62	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8448	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1062-8448	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1062-8448	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8448	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1062-8448	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8448	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1062-8448	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1062-8448	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1062-8448	0.33	0.33	ppb	U
100-42-5	Styrene	B 1062-8448	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1062-8448	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1062-8448	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1062-8448	0.47	0.47	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	B 1062-8448	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1062-8448	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8448	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8448	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8448	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8448	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8448	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8448	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8448	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8448	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8448	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8448	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8448	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8448	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8448	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1062-8448	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8448	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8448	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8448	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-8...continue

Client Sample ID: MW-9

Collected: 01/14/2003 14:15

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8448	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1062-8448	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8448	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8448	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8448	103.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8448	103.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-9

Client Sample ID: MW-10

Collected: 01/14/2003 16:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8449	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8449	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1062-8449	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1062-8449	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1062-8449	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1062-8449	0.49	13.5	ppb	
75-69-4	Trichlorofluoromethane	B 1062-8449	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8449	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8449	0.63	40.8	ppb	
67-64-1	Acetone	B 1062-8449	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1062-8449	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1062-8449	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8449	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8449	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B 1064-8495	4.30	190	ppb	
590-20-7	2,2-Dichloropropane	B 1062-8449	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1064-8495	4.20	244	ppb	
78-93-3	2-Butanone	B 1062-8449	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1062-8449	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1062-8449	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1062-8449	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B 1062-8449	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8449	0.47	0.47	ppb	U
71-43-2	Benzene	B 1062-8449	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1062-8449	0.23	5.80	ppb	
79-01-6	Trichloroethene	B 1062-8449	0.46	4.70	ppb	B
78-87-5	1,2-Dichloropropane	B 1062-8449	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1062-8449	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1062-8449	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8449	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8449	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8449	3.08	3.08	ppb	U
108-88-3	Toluene	B 1062-8449	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1062-8449	0.28	0.28	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-9...continue

Client Sample ID: MW-10

Collected: 01/14/2003 16:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8449	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1062-8449	0.62	0.62	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8449	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1062-8449	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1062-8449	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8449	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1062-8449	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8449	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1062-8449	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1062-8449	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1062-8449	0.33	0.33	ppb	U
100-42-5	Styrene	B 1062-8449	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1062-8449	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1062-8449	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1062-8449	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8449	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1062-8449	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8449	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8449	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8449	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8449	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8449	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8449	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8449	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8449	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8449	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8449	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8449	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8449	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8449	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1062-8449	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8449	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8449	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8449	0.70	0.70	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-9...continue

Client Sample ID: MW-10

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/14/2003 16:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8449	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1062-8449	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8449	0.61	0.61	ppb	U

Surrogate Results

Gas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8449	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8449	104.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8449	103.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8495	107.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8495	109.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8495	104.0 %	(88 - 114)	



ENVIRONMENTAL TESTING Laboratories, Inc.

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Phone - 631-249-1456 Fax - 631-249-8344

01/24/2003

Volatiles - EPA 8260B**Sample: P7334-10**

Client Sample ID: MW-11

Collected: 01/14/2003 19:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8450	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8450	0.50	0.50	ppb	U
74-87-3	Chloromethane	B 1062-8450	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B 1062-8450	0.51	0.51	ppb	U
74-83-9	Bromomethane	B 1062-8450	0.93	0.93	ppb	U
75-00-3	Chloroethane	B 1062-8450	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B 1062-8450	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8450	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8450	0.63	0.63	ppb	U
67-64-1	Acetone	B 1062-8450	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B 1062-8450	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B 1062-8450	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8450	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8450	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B 1062-8450	0.43	6.30	ppb	
590-20-7	2,2-Dichloropropane	B 1062-8450	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1062-8450	0.42	18.1	ppb	
78-93-3	2-Butanone	B 1062-8450	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B 1062-8450	0.50	0.50	ppb	U
67-66-3	Chloroform	B 1062-8450	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1062-8450	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B 1062-8450	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8450	0.47	0.47	ppb	U
71-43-2	Benzene	B 1062-8450	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B 1062-8450	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B 1062-8450	0.46	9.90	ppb	B
78-87-5	1,2-Dichloropropane	B 1062-8450	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B 1062-8450	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B 1062-8450	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8450	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8450	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8450	3.08	3.08	ppb	U
108-88-3	Toluene	B 1062-8450	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1062-8450	0.28	0.28	ppb	U



Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/24/2003

Volatiles - EPA 8260B

Sample: P7334-10...continue

Client Sample ID: MW-11

Collected: 01/14/2003 19:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8450	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1062-8450	0.62	0.62	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8450	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1062-8450	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1062-8450	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8450	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1062-8450	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8450	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1062-8450	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1062-8450	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1062-8450	0.33	0.33	ppb	U
100-42-5	Styrene	B 1062-8450	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1062-8450	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1062-8450	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1062-8450	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8450	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1062-8450	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8450	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8450	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8450	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8450	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B 1062-8450	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8450	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8450	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8450	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8450	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8450	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8450	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8450	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8450	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1062-8450	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8450	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8450	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8450	0.70	0.70	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-10...continue

Client Sample ID: MW-11

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/14/2003 19:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B 1062-8450	2.95	2.95	ppb	U
91-20-3	Naphthalene	B 1062-8450	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B 1062-8450	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B 1062-8450	106.0 %	(86-118)	
4774-33-8	DIBROMOFLUOROMETHANE	B 1062-8450	102.0 %	(64-149)	
2037-26-5	TOLUENE-D8	B 1062-8450	103.0 %	(88-114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-11

Client Sample ID: MW-12

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/15/2003 09:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8451	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8451	0.50	0.50	ppb	U
74-87-3	Chloromethane	B1062-8451	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B1062-8451	0.51	48.8	ppb	
74-83-9	Bromomethane	B1062-8451	0.93	0.93	ppb	U
75-00-3	Chloroethane	B1062-8451	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B1062-8451	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8451	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8451	0.63	0.63	ppb	U
67-64-1	Acetone	B1062-8451	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B1062-8451	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B1062-8451	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8451	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8451	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B1062-8451	0.43	38.6	ppb	
590-20-7	2,2-Dichloropropane	B1062-8451	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B1064-8496	4.20	311	ppb	
78-93-3	2-Butanone	B1062-8451	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B1062-8451	0.50	0.50	ppb	U
67-66-3	Chloroform	B1062-8451	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8451	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B1062-8451	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8451	0.47	0.47	ppb	U
71-43-2	Benzene	B1062-8451	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B1062-8451	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B1062-8451	0.46	48.7	ppb	B
78-87-5	1,2-Dichloropropane	B1062-8451	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B1062-8451	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B1062-8451	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8451	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8451	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8451	3.08	3.08	ppb	U
108-88-3	Toluene	B1062-8451	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1062-8451	0.28	0.28	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-11...continue

Client Sample ID: MW-12

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/15/2003 09:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8451	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1062-8451	0.62	0.62	ppb	U
142-28-9	1,3-Dichloropropane	B 1062-8451	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1062-8451	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1062-8451	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8451	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1062-8451	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8451	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1062-8451	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1062-8451	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1062-8451	0.33	0.33	ppb	U
100-42-5	Styrene	B 1062-8451	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1062-8451	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1062-8451	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1062-8451	0.47	0.47	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	B 1062-8451	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1062-8451	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8451	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8451	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8451	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8451	0.38	68.0	ppb	
106-43-4	4-Chlorotoluene	B 1062-8451	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8451	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8451	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8451	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8451	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8451	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8451	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8451	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8451	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1062-8451	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8451	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8451	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8451	0.70	0.70	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-11...continue

Client Sample ID: MW-12

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/15/2003 09:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8451	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1062-8451	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8451	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8451	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8451	105.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8451	103.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8496	108.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8496	107.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8496	105.0 %	(88 - 114)	



01/24/2003

Volatiles - EPA 8260B

Sample: P7334-12

Client Sample ID: MW-13

Collected: 01/14/2003 11:45

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8452	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8452	0.50	0.50	ppb	U
74-87-3	Chloromethane	B1062-8452	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B1062-8452	0.51	16.3	ppb	
74-83-9	Bromomethane	B1062-8452	0.93	0.93	ppb	U
75-00-3	Chloroethane	B1062-8452	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B1062-8452	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8452	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8452	0.63	10.5	ppb	
67-64-1	Acetone	B1062-8452	11.3	11.3	ppb	U
75-15-0	Carbon disulfide	B1062-8452	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B1062-8452	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8452	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8452	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B1062-8452	0.43	95.1	ppb	
590-20-7	2,2-Dichloropropane	B1062-8452	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B1064-8497	4.20	697	ppb	
78-93-3	2-Butanone	B1062-8452	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B1062-8452	0.50	0.50	ppb	U
67-66-3	Chloroform	B1062-8452	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8452	0.35	3.90	ppb	
56-23-5	Carbon Tetrachloride	B1062-8452	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8452	0.47	0.47	ppb	U
71-43-2	Benzene	B1062-8452	0.40	2.10	ppb	
107-06-2	1,2-Dichloroethane	B1062-8452	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B1062-8452	0.46	69.8	ppb	B
78-87-5	1,2-Dichloropropane	B1062-8452	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B1062-8452	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B1062-8452	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8452	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8452	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8452	3.08	3.08	ppb	U
108-88-3	Toluene	B1062-8452	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1062-8452	0.28	0.28	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-12...continue

Client Sample ID: MW-13

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/14/2003 11:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1062-8452	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B 1062-8452	0.62	69.0	ppb	
142-28-9	1,3-Dichloropropane	B 1062-8452	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B 1062-8452	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B 1062-8452	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B 1062-8452	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B 1062-8452	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1062-8452	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B 1062-8452	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1062-8452	0.76	0.76	ppb	U
95-47-6	o-xylene	B 1062-8452	0.33	0.33	ppb	U
100-42-5	Styrene	B 1062-8452	0.40	0.40	ppb	U
75-25-2	Bromoform	B 1062-8452	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B 1062-8452	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B 1062-8452	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1062-8452	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B 1062-8452	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1062-8452	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B 1062-8452	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1062-8452	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B 1062-8452	0.38	4.60	ppb	
106-43-4	4-Chlorotoluene	B 1062-8452	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B 1062-8452	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1062-8452	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B 1062-8452	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B 1062-8452	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1062-8452	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1062-8452	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1062-8452	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B 1062-8452	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B 1062-8452	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1062-8452	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1062-8452	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1062-8452	0.70	0.70	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-12...continue

Client Sample ID: MW-13

Collected: 01/14/2003 11:45

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8452	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1062-8452	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8452	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8452	106.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8452	105.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8452	102.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8497	108.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8497	108.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8497	104.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-13

Client Sample ID: MW-14

Collected: 01/14/2003 10:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1062-8453	47.0	47.0	ppb	U
75-45-6	Chlorodifluoromethane	B1062-8453	25.0	25.0	ppb	U
74-87-3	Chloromethane	B1062-8453	28.0	28.0	ppb	U
75-01-4	Vinyl Chloride	B1062-8453	25.5	25.5	ppb	U
74-83-9	Bromomethane	B1062-8453	46.5	46.5	ppb	U
75-00-3	Chloroethane	B1062-8453	24.5	848	ppb	
75-69-4	Trichlorofluoromethane	B1062-8453	29.5	29.5	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1062-8453	26.0	26.0	ppb	U
75-35-4	1,1-Dichloroethene	B1062-8453	31.5	323	ppb	
67-64-1	Acetone	B1062-8453	566	566	ppb	U
75-15-0	Carbon disulfide	B1062-8453	27.0	27.0	ppb	U
75-09-2	Methylene Chloride	B1062-8453	31.5	31.5	ppb	U
156-60-5	t-1,2-Dichloroethene	B1062-8453	23.0	23.0	ppb	U
1634-04-4	Methyl t-butyl ether	B1062-8453	29.0	29.0	ppb	U
75-34-3	1,1-Dichloroethane	B1064-8498	43.0	8580	ppb	
590-20-7	2,2-Dichloropropane	B1062-8453	41.0	41.0	ppb	U
156-59-2	c-1,2-Dichloroethene	B1062-8453	21.0	21.0	ppb	U
78-93-3	2-Butanone	B1062-8453	826	826	ppb	U
74-97-5	Bromochloromethane	B1062-8453	25.0	25.0	ppb	U
67-66-3	Chloroform	B1062-8453	35.0	35.0	ppb	U
71-55-6	1,1,1-Trichloroethane	B1062-8453	17.5	1020	ppb	
56-23-5	Carbon Tetrachloride	B1062-8453	26.0	26.0	ppb	U
563-58-6	1,1-Dichloropropene	B1062-8453	23.5	23.5	ppb	U
71-43-2	Benzene	B1062-8453	20.0	20.0	ppb	U
107-06-2	1,2-Dichloroethane	B1062-8453	11.5	11.5	ppb	U
79-01-6	Trichloroethene	B1062-8453	23.0	23.0	ppb	U
78-87-5	1,2-Dichloropropane	B1062-8453	13.5	13.5	ppb	U
74-95-3	Dibromomethane	B1062-8453	10.0	10.0	ppb	U
75-27-4	Bromodichloromethane	B1062-8453	12.5	12.5	ppb	U
110-75-8	2-Chloroethylvinylether	B1062-8453	52.0	52.0	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1062-8453	20.0	20.0	ppb	U
108-10-1	4-Methyl-2-pentanone	B1062-8453	154	154	ppb	U
108-88-3	Toluene	B1062-8453	19.0	19.0	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1062-8453	14.0	14.0	ppb	U



Environmental Testing Laboratories, Inc.

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-13...continue

Client Sample ID: MW-14

Collected: 01/14/2003 10:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B1062-8453	25.5	25.5	ppb	U
127-18-4	Tetrachloroethene	B1062-8453	31.0	31.0	ppb	U
142-28-9	1,3-Dichloropropane	B1062-8453	13.0	13.0	ppb	U
591-78-6	2-Hexanone	B1062-8453	82.5	82.5	ppb	U
124-48-1	Dibromochloromethane	B1062-8453	12.5	12.5	ppb	U
106-93-4	1,2-Dibromoethane	B1062-8453	11.5	11.5	ppb	U
108-90-7	Chlorobenzene	B1062-8453	21.0	21.0	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1062-8453	17.0	17.0	ppb	U
100-41-4	Ethylbenzene	B1062-8453	26.5	26.5	ppb	U
108-38-3	m,p-xylene	B1062-8453	38.0	38.0	ppb	U
95-47-6	o-xylene	B1062-8453	16.5	16.5	ppb	U
100-42-5	Styrene	B1062-8453	20.0	20.0	ppb	U
75-25-2	Bromoform	B1062-8453	13.0	13.0	ppb	U
98-82-8	Isopropylbenzene	B1062-8453	21.5	21.5	ppb	U
108-86-1	Bromobenzene	B1062-8453	23.5	23.5	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	B1062-8453	29.0	29.0	ppb	U
103-65-1	n-Propylbenzene	B1062-8453	31.0	31.0	ppb	U
96-18-4	1,2,3-Trichloropropane	B1062-8453	23.5	23.5	ppb	U
622-96-8	p-Ethyltoluene	B1062-8453	31.0	31.0	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1062-8453	28.5	28.5	ppb	U
95-49-8	2-Chlorotoluene	B1062-8453	19.0	19.0	ppb	U
106-43-4	4-Chlorotoluene	B1062-8453	27.5	27.5	ppb	U
98-06-6	tert-Butylbenzene	B1062-8453	27.5	27.5	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1062-8453	30.0	30.0	ppb	U
135-98-8	sec-Butylbenzene	B1062-8453	30.5	30.5	ppb	U
99-87-6	4-Isopropyltoluene	B1062-8453	33.5	33.5	ppb	U
541-73-1	1,3-Dichlorobenzene	B1062-8453	26.5	26.5	ppb	U
106-46-7	1,4-Dichlorobenzene	B1062-8453	25.5	25.5	ppb	U
95-50-1	1,2-Dichlorobenzene	B1062-8453	22.5	22.5	ppb	U
105-05-5	p-Diethylbenzene	B1062-8453	34.5	34.5	ppb	U
104-51-8	n-Butylbenzene	B1062-8453	36.5	36.5	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1062-8453	43.0	43.0	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1062-8453	23.0	23.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1062-8453	35.0	35.0	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-13...continue

Client Sample ID: MW-14

Collected: 01/14/2003 10:30

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8453	148	148	ppb	U
91-20-3	Naphthalene	B1062-8453	47.0	47.0	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8453	30.5	30.5	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8453	105.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1062-8453	103.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8453	103.0 %	(88 - 114)	
460-00-4	4-BROMOFLUOROBENZENE	B1064-8498	108.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8498	108.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8498	103.0 %	(88 - 114)	



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-14

Client Sample ID: MW-15

Collected: 01/15/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B1064-8499	0.94	0.94	ppb	U
75-45-6	Chlorodifluoromethane	B1064-8499	0.50	0.50	ppb	U
74-87-3	Chloromethane	B1064-8499	0.56	0.56	ppb	U
75-01-4	Vinyl Chloride	B1064-8499	0.51	0.51	ppb	U
74-83-9	Bromomethane	B1064-8499	0.93	0.93	ppb	U
75-00-3	Chloroethane	B1064-8499	0.49	0.49	ppb	U
75-69-4	Trichlorofluoromethane	B1064-8499	0.59	0.59	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1064-8499	0.52	0.52	ppb	U
75-35-4	1,1-Dichloroethene	B1064-8499	0.63	0.63	ppb	U
67-64-1	Acetone	B1064-8499	11.3	83.6	ppb	
75-15-0	Carbon disulfide	B1064-8499	0.54	0.54	ppb	U
75-09-2	Methylene Chloride	B1064-8499	0.63	0.63	ppb	U
156-60-5	t-1,2-Dichloroethene	B1064-8499	0.46	0.46	ppb	U
1634-04-4	Methyl t-butyl ether	B1064-8499	0.58	0.58	ppb	U
75-34-3	1,1-Dichloroethane	B1064-8499	0.43	0.43	ppb	U
590-20-7	2,2-Dichloropropane	B1064-8499	0.82	0.82	ppb	U
156-59-2	c-1,2-Dichloroethene	B1064-8499	0.42	0.42	ppb	U
78-93-3	2-Butanone	B1064-8499	16.5	16.5	ppb	U
74-97-5	Bromochloromethane	B1064-8499	0.50	0.50	ppb	U
67-66-3	Chloroform	B1064-8499	0.70	0.70	ppb	U
71-55-6	1,1,1-Trichloroethane	B1064-8499	0.35	0.35	ppb	U
56-23-5	Carbon Tetrachloride	B1064-8499	0.52	0.52	ppb	U
563-58-6	1,1-Dichloropropene	B1064-8499	0.47	0.47	ppb	U
71-43-2	Benzene	B1064-8499	0.40	0.40	ppb	U
107-06-2	1,2-Dichloroethane	B1064-8499	0.23	0.23	ppb	U
79-01-6	Trichloroethene	B1064-8499	0.46	0.46	ppb	U
78-87-5	1,2-Dichloropropane	B1064-8499	0.27	0.27	ppb	U
74-95-3	Dibromomethane	B1064-8499	0.20	0.20	ppb	U
75-27-4	Bromodichloromethane	B1064-8499	0.25	0.25	ppb	U
110-75-8	2-Chloroethylvinylether	B1064-8499	1.04	1.04	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1064-8499	0.40	0.40	ppb	U
108-10-1	4-Methyl-2-pentanone	B1064-8499	3.08	3.08	ppb	U
108-88-3	Toluene	B1064-8499	0.38	0.38	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1064-8499	0.28	0.28	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-14...continue

Client Sample ID: MW-15

Collected: 01/15/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B1064-8499	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B1064-8499	0.62	10.5	ppb	
142-28-9	1,3-Dichloropropane	B1064-8499	0.26	0.26	ppb	U
591-78-6	2-Hexanone	B1064-8499	1.65	1.65	ppb	U
124-48-1	Dibromochloromethane	B1064-8499	0.25	0.25	ppb	U
106-93-4	1,2-Dibromoethane	B1064-8499	0.23	0.23	ppb	U
108-90-7	Chlorobenzene	B1064-8499	0.42	0.42	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1064-8499	0.34	0.34	ppb	U
100-41-4	Ethylbenzene	B1064-8499	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1064-8499	0.76	0.76	ppb	U
95-47-6	o-xylene	B1064-8499	0.33	0.33	ppb	U
100-42-5	Styrene	B1064-8499	0.40	0.40	ppb	U
75-25-2	Bromoform	B1064-8499	0.26	0.26	ppb	U
98-82-8	Isopropylbenzene	B1064-8499	0.43	0.43	ppb	U
108-86-1	Bromobenzene	B1064-8499	0.47	0.47	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1064-8499	0.58	0.58	ppb	U
103-65-1	n-Propylbenzene	B1064-8499	0.62	0.62	ppb	U
96-18-4	1,2,3-Trichloropropane	B1064-8499	0.47	0.47	ppb	U
622-96-8	p-Ethyltoluene	B1064-8499	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1064-8499	0.57	0.57	ppb	U
95-49-8	2-Chlorotoluene	B1064-8499	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B1064-8499	0.55	0.55	ppb	U
98-06-6	tert-Butylbenzene	B1064-8499	0.55	0.55	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1064-8499	0.60	0.60	ppb	U
135-98-8	sec-Butylbenzene	B1064-8499	0.61	0.61	ppb	U
99-87-6	4-Isopropyltoluene	B1064-8499	0.67	0.67	ppb	U
541-73-1	1,3-Dichlorobenzene	B1064-8499	0.53	0.53	ppb	U
106-46-7	1,4-Dichlorobenzene	B1064-8499	0.51	0.51	ppb	U
95-50-1	1,2-Dichlorobenzene	B1064-8499	0.45	0.45	ppb	U
105-05-5	p-Diethylbenzene	B1064-8499	0.69	0.69	ppb	U
104-51-8	n-Butylbenzene	B1064-8499	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1064-8499	0.86	0.86	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1064-8499	0.46	0.46	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1064-8499	0.70	0.70	ppb	U



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01/24/2003

Volatiles - EPA 8260B**Sample: P7334-14...continue**

Client Sample ID: MW-15

Collected: 01/15/2003 12:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/17/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1064-8499	2.95	2.95	ppb	U
91-20-3	Naphthalene	B1064-8499	0.94	0.94	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1064-8499	0.61	0.61	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1064-8499	108.0 %	(86 - 118)	
4774-33-8	DIBROMOFLUOROMETHANE	B1064-8499	109.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1064-8499	104.0 %	(88 - 114)	



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208 Route 109, Farmingdale NY 11735

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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-15

Client Sample ID: MW-25

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/15/2003 14:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	B 1062-8455	1.88	1.88	ppb	U
75-45-6	Chlorodifluoromethane	B 1062-8455	1.00	1.00	ppb	U
74-87-3	Chloromethane	B 1062-8455	1.12	1.12	ppb	U
75-01-4	Vinyl Chloride	B 1062-8455	1.02	1.02	ppb	U
74-83-9	Bromomethane	B 1062-8455	1.86	1.86	ppb	U
75-00-3	Chloroethane	B 1062-8455	0.98	0.98	ppb	U
75-69-4	Trichlorofluoromethane	B 1062-8455	1.18	1.18	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1062-8455	1.04	1.04	ppb	U
75-35-4	1,1-Dichloroethene	B 1062-8455	1.26	1.26	ppb	U
67-64-1	Acetone	B 1062-8455	22.6	22.6	ppb	U
75-15-0	Carbon disulfide	B 1062-8455	1.08	1.08	ppb	U
75-09-2	Methylene Chloride	B 1062-8455	1.26	1.26	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1062-8455	0.92	0.92	ppb	U
1634-04-4	Methyl t-butyl ether	B 1062-8455	1.16	1.16	ppb	U
75-34-3	1,1-Dichloroethane	B 1062-8455	0.86	0.86	ppb	U
590-20-7	2,2-Dichloropropane	B 1062-8455	1.64	1.64	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1062-8455	0.84	0.84	ppb	U
78-93-3	2-Butanone	B 1062-8455	33.1	33.1	ppb	U
74-97-5	Bromochloromethane	B 1062-8455	1.00	1.00	ppb	U
67-66-3	Chloroform	B 1062-8455	1.40	1.40	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1062-8455	0.70	0.70	ppb	U
56-23-5	Carbon Tetrachloride	B 1062-8455	1.04	1.04	ppb	U
563-58-6	1,1-Dichloropropene	B 1062-8455	0.94	0.94	ppb	U
71-43-2	Benzene	B 1062-8455	0.80	0.80	ppb	U
107-06-2	1,2-Dichloroethane	B 1062-8455	0.46	0.46	ppb	U
79-01-6	Trichloroethene	B 1062-8455	0.92	0.92	ppb	U
78-87-5	1,2-Dichloropropane	B 1062-8455	0.54	0.54	ppb	U
74-95-3	Dibromomethane	B 1062-8455	0.40	0.40	ppb	U
75-27-4	Bromodichloromethane	B 1062-8455	0.50	0.50	ppb	U
110-75-8	2-Chloroethylvinylether	B 1062-8455	2.08	2.08	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1062-8455	0.80	0.80	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1062-8455	6.16	6.16	ppb	U
108-88-3	Toluene	B 1062-8455	0.76	0.76	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1062-8455	0.56	0.56	ppb	U



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208 Route 109, Farmingdale NY 11735
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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-15...continue

Client Sample ID: MW-25

Collected: 01/15/2003 14:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	B1062-8455	1.02	1.02	ppb	U
127-18-4	Tetrachloroethene	B1062-8455	1.24	1.24	ppb	U
142-28-9	1,3-Dichloropropane	B1062-8455	0.52	0.52	ppb	U
591-78-6	2-Hexanone	B1062-8455	3.30	3.30	ppb	U
124-48-1	Dibromochloromethane	B1062-8455	0.50	0.50	ppb	U
106-93-4	1,2-Dibromoethane	B1062-8455	0.46	0.46	ppb	U
108-90-7	Chlorobenzene	B1062-8455	0.84	0.84	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1062-8455	0.68	0.68	ppb	U
100-41-4	Ethylbenzene	B1062-8455	1.06	1.06	ppb	U
108-38-3	m,p-xylene	B1062-8455	1.52	1.52	ppb	U
95-47-6	o-xylene	B1062-8455	0.66	0.66	ppb	U
100-42-5	Styrene	B1062-8455	0.80	0.80	ppb	U
75-25-2	Bromoform	B1062-8455	0.52	0.52	ppb	U
98-82-8	Isopropylbenzene	B1062-8455	0.86	0.86	ppb	U
108-86-1	Bromobenzene	B1062-8455	0.94	0.94	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1062-8455	1.16	1.16	ppb	U
103-65-1	n-Propylbenzene	B1062-8455	1.24	1.24	ppb	U
96-18-4	1,2,3-Trichloropropane	B1062-8455	0.94	0.94	ppb	U
622-96-8	p-Ethyltoluene	B1062-8455	1.24	1.24	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1062-8455	1.14	1.14	ppb	U
95-49-8	2-Chlorotoluene	B1062-8455	0.76	0.76	ppb	U
106-43-4	4-Chlorotoluene	B1062-8455	1.10	1.10	ppb	U
98-06-6	tert-Butylbenzene	B1062-8455	1.10	1.10	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1062-8455	1.20	1.20	ppb	U
135-98-8	sec-Butylbenzene	B1062-8455	1.22	1.22	ppb	U
99-87-6	4-Isopropyltoluene	B1062-8455	1.34	1.34	ppb	U
541-73-1	1,3-Dichlorobenzene	B1062-8455	1.06	1.06	ppb	U
106-46-7	1,4-Dichlorobenzene	B1062-8455	1.02	1.02	ppb	U
95-50-1	1,2-Dichlorobenzene	B1062-8455	0.90	0.90	ppb	U
105-05-5	p-Diethylbenzene	B1062-8455	1.38	1.38	ppb	U
104-51-8	n-Butylbenzene	B1062-8455	1.46	1.46	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1062-8455	1.72	1.72	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1062-8455	0.92	0.92	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1062-8455	1.40	1.40	ppb	U



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01/24/2003

Volatiles - EPA 8260B

Sample: P7334-15...continue

Client Sample ID: MW-25

Collected: 01/15/2003 14:00

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	B1062-8455	5.90	5.90	ppb	U
91-20-3	Naphthalene	B1062-8455	1.88	1.88	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1062-8455	1.22	1.22	ppb	U

Surrogate Results

Gas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1062-8455	106.0 %	(86 - 118)	
4774-38-8	DIBROMOFLUOROMETHANE	B1062-8455	103.0 %	(64 - 149)	
2037-26-5	TOLUENE-D8	B1062-8455	103.0 %	(88 - 114)	



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01/24/2003

Total Iron by Method 200.7 CLP-M

Sample: P7334-1

Client Sample ID: SMP-1

Collected: 01/13/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	13.0	ppm	

Sample: P7334-2

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	2.88	ppm	

Sample: P7334-3

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.045	55.3	ppm	



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01/24/2003

Total Iron by Method 200.7 CLP-M

Sample: P7334-4

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	11.9	ppm	

Sample: P7334-5

Client Sample ID: SMP-4

Collected: 01/13/2003 15:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.036	541	ppm	

Sample: P7334-6

Client Sample ID: DMP-4

Collected: 01/13/2003 15:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.036	56.8	ppm	



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01/24/2003

Total Iron by Method 200.7 CLP-M

Sample: P7334-7

Client Sample ID: MW-8

Collected: 01/15/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	0.069	ppm	

Sample: P7334-11

Client Sample ID: MW-12

Collected: 01/15/2003 09:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	13.2	ppm	

Sample: P7334-12

Client Sample ID: MW-13

Collected: 01/14/2003 11:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	2.31	ppm	



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01/24/2003

Total Iron by Method 200.7 CLP-M

Sample: P7334-13

Client Sample ID: MW-14

Matrix: Liquid

Remarks:

Analyzed Date: 01/22/2003

Type: Grab

Collected: 01/14/2003 10:30

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-89-6	Iron	0.018	186	ppm	



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01/24/2003

Nitrogen/Nitrate - EPA 353.2

Sample: P7334-1

Client Sample ID: SMP-1

Collected: 01/13/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.084	ppm	

Sample: P7334-2

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.16	ppm	

Sample: P7334-3

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.19	ppm	



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01/24/2003

Nitrogen/Nitrate - EPA 353.2

Sample: P7334-4

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	1.17	ppm	

Sample: P7334-5

Client Sample ID: SMP-4

Collected: 01/13/2003 15:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.99	ppm	

Sample: P7334-6

Client Sample ID: DMP-4

Collected: 01/13/2003 15:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/16/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.025	ppm	U



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01/24/2003

Nitrogen/Nitrate - EPA 353.2

Sample: P7334-7

Client Sample ID: MW-8

Matrix: Liquid

Remarks:

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/15/2003 15:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	6.28	ppm	

Sample: P7334-11

Client Sample ID: MW-12

Matrix: Liquid

Remarks:

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/15/2003 09:40

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.026	ppm	

Sample: P7334-12

Client Sample ID: MW-13

Matrix: Liquid

Remarks:

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/14/2003 11:45

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	3.73	ppm	



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01/24/2003

Nitrogen/Nitrate - EPA 353.2

Sample: P7334-13

Client Sample ID: MW-14

Matrix: Liquid

Remarks:

Analyzed Date: 01/16/2003

Type: Grab

Collected: 01/14/2003 10:30

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14797-55-8	Nitrate	0.025	0.025	ppm	U



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01/24/2003

Sulfate - EPA 375.4

Sample: P7334-1

Client Sample ID: SMP-1

Collected: 01/13/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	0.56	60.4	ppm	

Sample: P7334-2

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	5.58	1020	ppm	

Sample: P7334-3

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	0.56	14.1	ppm	



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01/24/2003

Sulfate - EPA 375.4

Sample: P7334-4

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	5.58	486	ppm	

Sample: P7334-5

Client Sample ID: SMP-4

Collected: 01/13/2003 15:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	0.56	5.24	ppm	

Sample: P7334-6

Client Sample ID: DMP-4

Collected: 01/13/2003 15:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	0.56	3.77	ppm	



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01/24/2003

Sulfate - EPA 375.4

Sample: P7334-7

Client Sample ID: MW-8

Collected: 01/15/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	0.56	32.5	ppm	

Sample: P7334-11

Client Sample ID: MW-12

Collected: 01/15/2003 09:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	2.79	236	ppm	

Sample: P7334-12

Client Sample ID: MW-13

Collected: 01/14/2003 11:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/22/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	2.79	365	ppm	



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01/24/2003

Sulfate - EPA 375.4

Sample: P7334-13

Client Sample ID: MW-14

Matrix: Liquid

Remarks:

Analyzed Date: 01/22/2003

Type: Grab

Collected: 01/14/2003 10:30

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
14808-79-8	Sulfate	0.56	5.97	ppm	



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01/24/2003

Total Organic Carbon - Method 415.1

Sample: P7334-1

Client Sample ID: SMP-1

Collected: 01/13/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	186	ppm	

Sample: P7334-2

Client Sample ID: DMP-1

Collected: 01/13/2003 14:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	101	ppm	

Sample: P7334-3

Client Sample ID: SMP-3

Collected: 01/13/2003 16:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	39.1	ppm	



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01/24/2003

Total Organic Carbon - Method 415.1

Sample: P7334-4

Client Sample ID: DMP-3

Collected: 01/13/2003 16:30

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	316	ppm	

Sample: P7334-5

Client Sample ID: SMP-4

Collected: 01/13/2003 15:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	1900	ppm	

Sample: P7334-6

Client Sample ID: DMP-4

Collected: 01/13/2003 15:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	291	ppm	



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01/24/2003

Total Organic Carbon - Method 415.1

Sample: P7334-7

Client Sample ID: MW-8

Collected: 01/15/2003 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	33.4	ppm	

Sample: P7334-11

Client Sample ID: MW-12

Collected: 01/15/2003 09:40

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	43.6	ppm	

Sample: P7334-12

Client Sample ID: MW-13

Collected: 01/14/2003 11:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 01/20/2003

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	29.8	ppm	



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01/24/2003

Total Organic Carbon - Method 415.1

Sample: P7334-13

Client Sample ID: MW-14

Matrix: Liquid

Remarks:

Analyzed Date: 01/20/2003

Type: Grab

Collected: 01/14/2003 10:30

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	TOC	0.51	1900	ppm	



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01/24/2003

Case Narrative

EPA 8260:

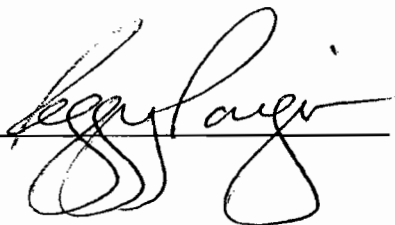
The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloro ethyl vinyl ether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

Reviewed by:



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01/24/2003

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is a non-detect.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution. In the case of a surrogate this flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- * - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

OTHER

- All soil and sediment samples are reported on a dry weight basis.





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 208 Route 109 • Farmingdale • New York 11735
 631-249-1456 • Fax: 631-249-8344

CHAIN OF CUSTODY DOCUMENT

1 of 2

P 07334

Project Name: *Pharmaceuticals* Project Manager: *Andy Barber* Sampler (Signature): *David Hanny* (Print): *David Hanny*

Project Address: *31445 Sea Cliff Avenue* Rush by: *1 1*

Client: <i>Pharmaceuticals</i> JIN: <i>6493.001</i>		<input type="checkbox"/> Rush by	
SAMPLE INFO		Type: SS = Spill Spoon, G = Grab, C = Composite, B = Blank	*Air - Vol (Liters)
		Matrix: L = Liquid, S = Soil, SL = Sludge, A = Air, W = Wipe	Include: Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location	Total # Cont.	601/602	BTX/BTEX	MTBE	624/626/8021	625/8270/BN	PCB/Pesticides	Pet. Prods./B100M	RCRA Metals	pH/Flash/React	418.1 - TRPH	TOC	Nitrate	Sulfate	Iron
1	11/13/03	1500	G	L	Smp-1	6														
2	11/13/03	1430			OMP-1	6														
3	11/13/03	1600			Smp-3	6														
4	11/13/03	1630			OMP-3	6														
5	11/13/03	1540			Smp-4	6														
6	11/13/03	1515			OMP-4	6														
7	11/13/03	1500			MW-8	6														
8	11/13/03	1415			MW-9	2														
9	11/13/03	1630			MW-10	2														
10	11/13/03	1500			MW-11	2														
11	11/13/03	1540			MW-12	6														
12	11/13/03	1145			MW-13	6														
13	11/13/03	1300			MW-14	6														
14	11/13/03	1200			MW-15	6														
15	11/13/03	1400			MW-25	6														

Relinquished by (Signature): *[Signature]* Date: *11/15/03* Printed Name & Agent: *David Hanny*
 Relinquished by (Signature): *[Signature]* Date: *11/15/03* Printed Name & Agent: *David Hanny*
 Received for Lab by (Signature): *[Signature]* Date: *11/15/03* Printed Name: *David Hanny*
 Number & Type of Containers: *30. 250 P 5000005* Preservatives: *100% H2SO4* Temp: *50C*
 Comments & Special Instructions: *5 day TAT*