SEVERN
TRENT
SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

July 23, 2001

STL LOT NUMBER: E1G120323
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

Scott Zachary
Haley & Aldrich Inc
9040 Friars Road
Suite 220
San Diego, CA 92108

Dear Mr. Zachary,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on July 12, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager
CC: Project File

This report contains 000056 pages.

STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0093323

SEVERN TRENT SERVICES

LOT NUMBER E1G120323

Nonconformance 05-01963

Affected Samples:
E1G120323 (5): TRIP BLANK

Affected Methods:
None specified.

Case Narrative:
TRIP BLANK was listed twice on the COC, but only one set was received.

ACCREDITED IN ACCORDANCE WITH nelac

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Haley + Aldrich	Project Manager: Scott Zachary	Date: 7/12/01	Chain of Custody Number: 053367
Address: 9040 Friars Rd	Telephone Number (Area Code)/Fax Number: (619) 280-9210	Lab Number	Page 1 of 1
City: SAN Diego; State: CA; Zip Code: 92108	Site Contact: Rich Farson	Lab Contact: Diane Suzuki	
Project Name and Location (State): Boeing Former C-6 Fac.	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): 8260 B + Tle Spec Scott Parker

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		8260 B	Special Instructions/ Conditions of Receipt
DDS-2-8/91'	7-11-01	1616		X							3				X	
DDS-2-8/116'	7-11-01	1844		X							3				X	
DDS-1-10/85'	7-12-01	1118		X							3				X	
DDS-1-10/115'	7/12/01	1325		X							3				X	
Trip Blank	7/11/01	—									3				X	Provided by Lab
DDS-1-12/114	7/12/01	1210		X							3				X	
TRIP BLANK	7/11/01	—		X							3				X	Provided by lab

000003

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 day

QC Requirements (Specify):

1. Relinquished By	Date: 7/12/01	Time: 1520	1. Received By	Date: 7-12-01	Time: 1520
2. Relinquished By	Date: 7-12-01	Time: 1700	2. Received By	Date: 7-12-01	Time: 17:00
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0093325

STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 7/12/01

Quantims Lot #: EIG 120323

Quote #: 42295

Client Name: Haley & Aldrich

Project: Boeing C-6

Received by: Pacolta

Date/Time Received: 7/12/01 17:00

Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other Mike H.

		Initial / Date
Custody Seal Status:	☐Intact ☐Broken ☒None	AR 7/12/01
Custody Seal #(s):	☒No Seal #	
Sample Container(s):	☒STL-LA ☐Client ☐N/A	
Temperature(s) (COOLER/BLANK) in °C:	4 °C (CORRECTED TEMP) 4.2 °C	
Thermometer Used :	☒IR (Infra-red) ☐Digital (Probe)	
Samples:	☒Intact ☐Broken ☐Other	
Anomalies:	☒No ☒Yes (See Clouseau)	
Labeled by	AR	
Labeling checked by	RS	

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL 5 days

Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A

Outside Analysis(es) (Test/Lab/Date Sent Out) : – none.

********** LEAVE NO BLANK SPACES ; USE N/A **********

Fraction	1 → 6										PH
VOAh /*	3										N/A

k:HCl n:Sodium Hydroxide nn:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/lf:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: Pacolta 7/12/01 REVIEWED BY/DATE: J Swart 7-13-01

000004

BOE-C6-0093326

STL Los Angeles
Condition Upon Receipt Anomaly Report (CUR)

Client: Haley & Aldrich Date/Time 7/12/01 18:45

Lot No: E1G120323 Initiated by: DR

Affected samples Chain of Custody #

Client ID	Lab ID	Analyses Requested
TRIP BLANK	#5	8260 B *

CONDITION/ANOMALY/VARIANCE (CHECK ALL THAT APPLY):

- **COOLERS**
  - ☐ Not Received, No (COC)
  - ☐ Not Received but COC (s) Available
  - ☐ Leaking
  - ☐ Other: _____
- **CUSTODY SEALS (COOLER(S)/CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other _____
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s) _____
  - ☐ Temperature Blank(s) _____
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other _____
- **CONTAINERS**
  - ☐ Leaking
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ VOA Vials with Headspace _____ mm
  - ☐ Other: _____
- **CONTAINERS LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
    - ☐ Preservative
    - ☐ Collection _____ Time _____ Date
  - ☐ Markings/Info illegible
  - ☐ Torn
  - ☐ Other _____
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Other _____
  - ☐ Will be noted on COC—Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis

Comments

* TRIP BLANK was listed twice on the COC but only one set was received.

Corrective Action Implemented:

☒ Client Informed: verbally on _____ By: _____ In writing on 7/13/01 By: [signature]

☐ Sample(s) processed "as is."

☐ Sample(s) on hold until: _____ If released, notify: _____

Sample Control Supervisor Review: _____ Date: _____

Project Management Review: [signature] Date: 7/13/01

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

EXECUTIVE SUMMARY - Detection Highlights

E1G120323

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DDS_2_8/91 07/11/01 16:16 001				
Carbon disulfide	25	12	ug/L	SW846 8260B
1,1-Dichloroethene	6.5 J	12	ug/L	SW846 8260B
1,1-Dichloroethene	7.0	2.5	ug/L	SW846 8260B
Chloroform	13	12	ug/L	SW846 8260B
Carbon disulfide	29	2.5	ug/L	SW846 8260B
Chloroform	16	2.5	ug/L	SW846 8260B
Trichloroethene	750	12	ug/L	SW846 8260B
Trichloroethene	630 E	2.5	ug/L	SW846 8260B
DDS_2_8/116 07/11/01 18:44 002				
Carbon disulfide	28	10	ug/L	SW846 8260B
1,1-Dichloroethene	2.7 J	10	ug/L	SW846 8260B
1,1-Dichloroethene	3.2	2.0	ug/L	SW846 8260B
Chloroform	6.5 J	10	ug/L	SW846 8260B
Carbon disulfide	24	2.0	ug/L	SW846 8260B
Chloroform	6.6	2.0	ug/L	SW846 8260B
Trichloroethene	470	10	ug/L	SW846 8260B
Trichloroethene	420 E	2.0	ug/L	SW846 8260B
DDS_1_10/85 07/12/01 11:18 003				
Carbon disulfide	0.35 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	20	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.32 J	1.0	ug/L	SW846 8260B
Trichloroethene	19	1.0	ug/L	SW846 8260B
DDS_1_10/115 07/12/01 13:25 004				
Carbon disulfide	48	10	ug/L	SW846 8260B
1,2-Dichloroethane	2.5 J	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	490	10	ug/L	SW846 8260B
1,1-Dichloroethene	460 E	2.0	ug/L	SW846 8260B
Carbon disulfide	48	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	2.5 J	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.8	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	8.8 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	2.5	2.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	6.4 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	8.6	2.0	ug/L	SW846 8260B
Chloroform	0.62 J	2.0	ug/L	SW846 8260B
Benzene	1.1 J	2.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	4.3 J	10	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E1G120323

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DDS_1_10/115 07/12/01 13:25 004				
Trichloroethene	65	10	ug/L	SW846 8260B
Trichloroethene	61	2.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	4.0	2.0	ug/L	SW846 8260B
1,2-Dichloroethane	2.5	1.0	ug/L	SW846 8260B
DDS_1_12/114 07/12/01 12:10 006				
Carbon disulfide	5.4	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	3.1	1.0	ug/L	SW846 8260B
Chloroform	0.81 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.44 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.4	1.0	ug/L	SW846 8260B
Trichloroethene	11	1.0	ug/L	SW846 8260B

METHODS SUMMARY

E1G120323

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

SAMPLE SUMMARY

E1G120323

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EF9PK	001	DDS_2_8/91	07/11/01	16:16
EF9PL	002	DDS_2_8/116	07/11/01	18:44
EF9PM	003	DDS_1_10/85	07/12/01	11:18
EF9PN	004	DDS_1_10/115	07/12/01	13:25
EF9PP	005	TRIP BLANK	07/11/01	
EF9PQ	006	DDS_1_12/114	07/12/01	12:10

NOTE(S):

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

HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/91

GC/MS Volatiles

AMPLED ATE	SAMP TIME
7/11/01	16:16
7/11/01	18:44
7/12/01	11:18
7/12/01	13:25
7/11/01	
7/12/01	12:10

Lot-Sample #...: E1G120323-001 **Work Order #...:** EF9PK1AA **Matrix**
Date Sampled...: 07/11/01 16:16 **Date Received..:** 07/12/01 17:00 **MS Run**
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 11:01
Dilution Factor: 12.5
Analyst ID.....: 015590 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	120	ug/L
Benzene	ND	12	ug/L
Bromobenzene	ND	12	ug/L
Bromochloromethane	ND	12	ug/L
Bromoform	ND	12	ug/L
Bromomethane	ND	25	ug/L
Carbon tetrachloride	ND	6.2	ug/L
2-Butanone	ND	62	ug/L
n-Butylbenzene	ND	12	ug/L
sec-Butylbenzene	ND	12	ug/L
tert-Butylbenzene	ND	12	ug/L
Carbon disulfide	**25**	**12**	**ug/L**
Chlorobenzene	ND	12	ug/L
Dibromochloromethane	ND	12	ug/L
Dichlorodifluoromethane	ND	12	ug/L
Bromodichloromethane	ND	12	ug/L
1,2-Dichloroethane	ND	6.2	ug/L
1,1-Dichloroethene	**6.5 J**	**12**	**ug/L**
Chloroethane	ND	25	ug/L
Chloroform	**13**	**12**	**ug/L**
Chloromethane	ND	25	ug/L
2-Chlorotoluene	ND	12	ug/L
4-Chlorotoluene	ND	12	ug/L
1,2-Dibromo-3-chloro-propane	ND	25	ug/L
1,2-Dibromoethane	ND	12	ug/L
Iodomethane	ND	25	ug/L
Isopropyl ether	ND	25	ug/L
1,2-Dichlorobenzene	ND	12	ug/L
1,3-Dichlorobenzene	ND	12	ug/L
1,4-Dichlorobenzene	ND	12	ug/L
1,1-Dichloroethane	ND	12	ug/L
cis-1,2-Dichloroethene	ND	12	ug/L
trans-1,2-Dichloroethene	ND	12	ug/L
Vinyl chloride	ND	6.2	ug/L
2,2-Dichloropropane	ND	12	ug/L
t-Butanol	ND	310	ug/L

(Continued on next page)

HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/91

GC/MS Volatiles

Lot-Sample #...: E1G120323-001 **Work Order #...:** EF9PK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	12	ug/L	3.8
Tert-amyl methyl ether	ND	25	ug/L	6.2
Tert-butyl ethyl ether	ND	25	ug/L	6.2
Ethylbenzene	ND	12	ug/L	2.5
Hexachlorobutadiene	ND	12	ug/L	3.8
2-Hexanone	ND	62	ug/L	25
Isopropylbenzene	ND	12	ug/L	2.5
p-Isopropyltoluene	ND	12	ug/L	2.5
Methylene chloride	ND	12	ug/L	2.5
4-Methyl-2-pentanone	ND	62	ug/L	25
Methyl tert-butyl ether	ND	12	ug/L	6.2
n-Propylbenzene	ND	12	ug/L	5.0
Styrene	ND	12	ug/L	3.8
1,1,1,2-Tetrachloroethane	ND	12	ug/L	3.8
1,1,2,2-Tetrachloroethane	ND	12	ug/L	3.8
Tetrachloroethene	ND	12	ug/L	8.8
Toluene	ND	12	ug/L	3.8
1,2,3-Trichlorobenzene	ND	12	ug/L	5.0
1,2,4-Trichloro-benzene	ND	12	ug/L	3.8
1,1,1-Trichloroethane	ND	12	ug/L	2.5
1,1,2-Trichloroethane	ND	12	ug/L	3.8
Trichloroethene	**750**	**12**	**ug/L**	**3.8**
Trichlorofluoromethane	ND	25	ug/L	2.5
1,2,3-Trichloropropane	ND	12	ug/L	3.8
1,2,4-Trimethylbenzene	ND	12	ug/L	2.5
1,3,5-Trimethylbenzene	ND	12	ug/L	2.5
Xylenes (total)	ND	12	ug/L	6.2
Acrolein	ND	250	ug/L	150
Acrylonitrile	ND	250	ug/L	120
Vinyl acetate	ND	62	ug/L	12
Tetrahydrofuran	ND	120	ug/L	25
2-Chloroethyl vinyl ether	ND	62	ug/L	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 120)
1,2-Dichloroethane-d4	73	(65 - 130)
Toluene-d8	90	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/91

GC/MS Volatiles

Lot-Sample #...: E1G120323-001 **Work Order #...:** EF9PK2AA **Matrix.....:** WATER
Date Sampled...: 07/11/01 16:16 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1198173
Prep Date.....: 07/17/01 **Analysis Date..:** 07/17/01
Prep Batch #...: 1198360 **Analysis Time..:** 06:39
Dilution Factor: 2.5
Analyst ID.....: 004648 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.5	ug/L	1.0
Chloromethane	ND	5.0	ug/L	0.75
Vinyl chloride	ND	1.2	ug/L	0.75
Chloroethane	ND	5.0	ug/L	0.75
Bromomethane	ND	5.0	ug/L	2.5
Trichlorofluoromethane	ND	5.0	ug/L	0.75
1,1-Dichloroethene	**7.0**	**2.5**	**ug/L**	**0.75**
Methylene chloride	ND	2.5	ug/L	0.75
Methyl tert-butyl ether	ND	2.5	ug/L	1.2
Carbon disulfide	**29**	**2.5**	**ug/L**	**0.75**
Acetone	ND	25	ug/L	7.5
trans-1,2-Dichloroethene	ND	2.5	ug/L	0.75
1,1-Dichloroethane	ND	2.5	ug/L	0.50
2,2-Dichloropropane	ND	2.5	ug/L	0.75
cis-1,2-Dichloroethene	ND	2.5	ug/L	0.75
Chloroform	**16**	**2.5**	**ug/L**	**0.75**
Bromochloromethane	ND	2.5	ug/L	0.75
1,1,1-Trichloroethane	ND	2.5	ug/L	0.50
2-Butanone	ND	12	ug/L	7.5
1,1-Dichloropropene	ND	2.5	ug/L	0.75
Carbon tetrachloride	ND	1.2	ug/L	0.75
1,2-Dibromoethane	ND	2.5	ug/L	0.75
Benzene	ND	2.5	ug/L	0.75
Trichloroethene	**630 E**	**2.5**	**ug/L**	**0.75**
Bromodichloromethane	ND	2.5	ug/L	0.75
4-Methyl-2-pentanone	ND	12	ug/L	7.5
Toluene	ND	2.5	ug/L	0.75
1,1,2-Trichloroethane	ND	2.5	ug/L	0.75
1,2-Dichloroethane	ND	1.2	ug/L	1.0
Tetrachloroethene	ND	2.5	ug/L	1.8
2-Hexanone	ND	12	ug/L	7.5
Dibromochloromethane	ND	2.5	ug/L	1.0
Chlorobenzene	ND	2.5	ug/L	0.75
1,1,1,2-Tetrachloroethane	ND	2.5	ug/L	0.75
Ethylbenzene	ND	2.5	ug/L	0.50
Xylenes (total)	ND	2.5	ug/L	2.0
Styrene	ND	2.5	ug/L	0.75

(Continued on next page)

HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/91

GC/MS Volatiles

Lot-Sample #...: E1G120323-001 **Work Order #...:** EF9PK2AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromoform	ND	2.5	ug/L	0.75
Isopropylbenzene	ND	2.5	ug/L	0.75
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	1.0
1,2,3-Trichloropropane	ND	2.5	ug/L	1.0
n-Propylbenzene	ND	2.5	ug/L	1.0
Bromobenzene	ND	2.5	ug/L	0.75
1,3,5-Trimethylbenzene	ND	2.5	ug/L	0.50
2-Chlorotoluene	ND	2.5	ug/L	0.75
4-Chlorotoluene	ND	2.5	ug/L	0.75
tert-Butylbenzene	ND	2.5	ug/L	0.50
1,2,4-Trimethylbenzene	ND	2.5	ug/L	0.75
sec-Butylbenzene	ND	2.5	ug/L	0.75
p-Isopropyltoluene	ND	2.5	ug/L	0.75
1,3-Dichlorobenzene	ND	2.5	ug/L	0.75
1,4-Dichlorobenzene	ND	2.5	ug/L	0.75
n-Butylbenzene	ND	2.5	ug/L	0.75
1,2-Dichlorobenzene	ND	2.5	ug/L	0.75
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/L	1.8
1,2,4-Trichloro-benzene	ND	2.5	ug/L	0.75
Hexachlorobutadiene	ND	2.5	ug/L	0.75
1,2,3-Trichlorobenzene	ND	2.5	ug/L	1.0
Acrolein	ND	50	ug/L	30
Tert-amyl methyl ether	ND	5.0	ug/L	1.2
Acrylonitrile	ND	50	ug/L	25
Tert-butyl ethyl ether	ND	5.0	ug/L	1.2
t-Butanol	ND	62	ug/L	15
Iodomethane	ND	5.0	ug/L	2.5
Isopropyl ether	ND	5.0	ug/L	1.2
2-Chloroethyl vinyl ether	ND	12	ug/L	5.0
Tetrahydrofuran	ND	25	ug/L	5.0
Vinyl acetate	ND	12	ug/L	5.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 120)
1,2-Dichloroethane-d4	104	(65 - 130)
Toluene-d8	105	(80 - 130)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/116

GC/MS Volatiles

Lot-Sample #...: E1G120323-002 **Work Order #...:** EF9PL1AA **Matrix.....:** WATER
Date Sampled...: 07/11/01 18:44 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1197258
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 11:31
Dilution Factor: 10
Analyst ID.....: 015590 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	100	ug/L	30
Benzene	ND	10	ug/L	3.0
Bromobenzene	ND	10	ug/L	3.0
Bromochloromethane	ND	10	ug/L	3.0
Bromoform	ND	10	ug/L	3.0
Bromomethane	ND	20	ug/L	10
Carbon tetrachloride	ND	5.0	ug/L	3.0
2-Butanone	ND	50	ug/L	30
n-Butylbenzene	ND	10	ug/L	3.0
sec-Butylbenzene	ND	10	ug/L	3.0
tert-Butylbenzene	ND	10	ug/L	2.0
Carbon disulfide	**28**	**10**	**ug/L**	**3.0**
Chlorobenzene	ND	10	ug/L	3.0
Dibromochloromethane	ND	10	ug/L	3.0
Dichlorodifluoromethane	ND	10	ug/L	4.0
Bromodichloromethane	ND	10	ug/L	3.0
1,2-Dichloroethane	ND	5.0	ug/L	2.0
1,1-Dichloroethene	**2.7 J**	**10**	**ug/L**	**2.0**
Chloroethane	ND	20	ug/L	3.0
Chloroform	**6.5 J**	**10**	**ug/L**	**2.0**
Chloromethane	ND	20	ug/L	3.0
2-Chlorotoluene	ND	10	ug/L	3.0
4-Chlorotoluene	ND	10	ug/L	3.0
1,2-Dibromo-3-chloro-propane	ND	20	ug/L	6.0
1,2-Dibromoethane	ND	10	ug/L	3.0
Iodomethane	ND	20	ug/L	10
Isopropyl ether	ND	20	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	2.0
1,3-Dichlorobenzene	ND	10	ug/L	2.0
1,4-Dichlorobenzene	ND	10	ug/L	3.0
1,1-Dichloroethane	ND	10	ug/L	2.0
cis-1,2-Dichloroethene	ND	10	ug/L	3.0
trans-1,2-Dichloroethene	ND	10	ug/L	2.0
Vinyl chloride	ND	5.0	ug/L	3.0
2,2-Dichloropropane	ND	10	ug/L	3.0
t-Butanol	ND	250	ug/L	60

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/116

GC/MS Volatiles

Lot-Sample #...: E1G120323-002 **Work Order #...:** EF9PL1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	10	ug/L	3.0
Tert-amyl methyl ether	ND	20	ug/L	5.0
Tert-butyl ethyl ether	ND	20	ug/L	5.0
Ethylbenzene	ND	10	ug/L	2.0
Hexachlorobutadiene	ND	10	ug/L	3.0
2-Hexanone	ND	50	ug/L	20
Isopropylbenzene	ND	10	ug/L	2.0
p-Isopropyltoluene	ND	10	ug/L	2.0
Methylene chloride	ND	10	ug/L	2.0
4-Methyl-2-pentanone	ND	50	ug/L	20
Methyl tert-butyl ether	ND	10	ug/L	5.0
n-Propylbenzene	ND	10	ug/L	4.0
Styrene	ND	10	ug/L	3.0
1,1,1,2-Tetrachloroethane	ND	10	ug/L	3.0
1,1,2,2-Tetrachloroethane	ND	10	ug/L	3.0
Tetrachloroethene	ND	10	ug/L	7.0
Toluene	ND	10	ug/L	3.0
1,2,3-Trichlorobenzene	ND	10	ug/L	4.0
1,2,4-Trichloro-benzene	ND	10	ug/L	3.0
1,1,1-Trichloroethane	ND	10	ug/L	2.0
1,1,2-Trichloroethane	ND	10	ug/L	3.0
Trichloroethene	**470**	**10**	**ug/L**	**3.0**
Trichlorofluoromethane	ND	20	ug/L	2.0
1,2,3-Trichloropropane	ND	10	ug/L	3.0
1,2,4-Trimethylbenzene	ND	10	ug/L	2.0
1,3,5-Trimethylbenzene	ND	10	ug/L	2.0
Xylenes (total)	ND	10	ug/L	5.0
Acrolein	ND	200	ug/L	120
Acrylonitrile	ND	200	ug/L	100
Vinyl acetate	ND	50	ug/L	10
Tetrahydrofuran	ND	100	ug/L	20
2-Chloroethyl vinyl ether	ND	50	ug/L	20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 120)
1,2-Dichloroethane-d4	95	(65 - 130)
Toluene-d8	101	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/116

GC/MS Volatiles

Lot-Sample #...: E1G120323-002 **Work Order #...:** EF9PL2AA **Matrix.....:** WATER
Date Sampled...: 07/11/01 18:44 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1198173
Prep Date.....: 07/17/01 **Analysis Date..:** 07/17/01
Prep Batch #...: 1198360 **Analysis Time..:** 07:09
Dilution Factor: 2
Analyst ID.....: 004648 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.0	ug/L	0.80
Chloromethane	ND	4.0	ug/L	0.60
Vinyl chloride	ND	1.0	ug/L	0.60
Chloroethane	ND	4.0	ug/L	0.60
Bromomethane	ND	4.0	ug/L	2.0
Trichlorofluoromethane	ND	4.0	ug/L	0.60
1,1-Dichloroethene	**3.2**	**2.0**	**ug/L**	**0.60**
Methylene chloride	ND	2.0	ug/L	0.60
Methyl tert-butyl ether	ND	2.0	ug/L	1.0
Carbon disulfide	**24**	**2.0**	**ug/L**	**0.60**
Acetone	ND	20	ug/L	6.0
trans-1,2-Dichloroethene	ND	2.0	ug/L	0.60
1,1-Dichloroethane	ND	2.0	ug/L	0.40
2,2-Dichloropropane	ND	2.0	ug/L	0.60
cis-1,2-Dichloroethene	ND	2.0	ug/L	0.60
Chloroform	**6.6**	**2.0**	**ug/L**	**0.60**
Bromochloromethane	ND	2.0	ug/L	0.60
1,1,1-Trichloroethane	ND	2.0	ug/L	0.40
2-Butanone	ND	10	ug/L	6.0
1,1-Dichloropropene	ND	2.0	ug/L	0.60
Carbon tetrachloride	ND	1.0	ug/L	0.60
1,2-Dibromoethane	ND	2.0	ug/L	0.60
Benzene	ND	2.0	ug/L	0.60
Trichloroethene	**420 E**	**2.0**	**ug/L**	**0.60**
Bromodichloromethane	ND	2.0	ug/L	0.60
4-Methyl-2-pentanone	ND	10	ug/L	6.0
Toluene	ND	2.0	ug/L	0.60
1,1,2-Trichloroethane	ND	2.0	ug/L	0.60
1,2-Dichloroethane	ND	1.0	ug/L	0.80
Tetrachloroethene	ND	2.0	ug/L	1.4
2-Hexanone	ND	10	ug/L	6.0
Dibromochloromethane	ND	2.0	ug/L	0.80
Chlorobenzene	ND	2.0	ug/L	0.60
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	0.60
Ethylbenzene	ND	2.0	ug/L	0.40
Xylenes (total)	ND	2.0	ug/L	1.6
Styrene	ND	2.0	ug/L	0.60

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/116

GC/MS Volatiles

Lot-Sample #...: E1G120323-002 **Work Order #...:** EF9PL2AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromoform	ND	2.0	ug/L	0.60
Isopropylbenzene	ND	2.0	ug/L	0.60
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.80
1,2,3-Trichloropropane	ND	2.0	ug/L	0.80
n-Propylbenzene	ND	2.0	ug/L	0.80
Bromobenzene	ND	2.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	2.0	ug/L	0.40
2-Chlorotoluene	ND	2.0	ug/L	0.60
4-Chlorotoluene	ND	2.0	ug/L	0.60
tert-Butylbenzene	ND	2.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	2.0	ug/L	0.60
sec-Butylbenzene	ND	2.0	ug/L	0.60
p-Isopropyltoluene	ND	2.0	ug/L	0.60
1,3-Dichlorobenzene	ND	2.0	ug/L	0.60
1,4-Dichlorobenzene	ND	2.0	ug/L	0.60
n-Butylbenzene	ND	2.0	ug/L	0.60
1,2-Dichlorobenzene	ND	2.0	ug/L	0.60
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L	1.4
1,2,4-Trichloro-benzene	ND	2.0	ug/L	0.60
Hexachlorobutadiene	ND	2.0	ug/L	0.60
1,2,3-Trichlorobenzene	ND	2.0	ug/L	0.80
Acrolein	ND	40	ug/L	24
Tert-amyl methyl ether	ND	4.0	ug/L	1.0
Acrylonitrile	ND	40	ug/L	20
Tert-butyl ethyl ether	ND	4.0	ug/L	1.0
t-Butanol	ND	50	ug/L	12
Iodomethane	ND	4.0	ug/L	2.0
Isopropyl ether	ND	4.0	ug/L	1.0
2-Chloroethyl vinyl ether	ND	10	ug/L	4.0
Tetrahydrofuran	ND	20	ug/L	4.0
Vinyl acetate	ND	10	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 120)
1,2-Dichloroethane-d4	108	(65 - 130)
Toluene-d8	107	(80 - 130)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_1_10/85

GC/MS Volatiles

Lot-Sample #...: E1G120323-003 **Work Order #...:** EF9PM1AA **Matrix.....:** WATER
Date Sampled...: 07/12/01 11:18 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1197258
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 17:31
Dilution Factor: 1
Analyst ID.....: 015590 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	**0.35 J**	**1.0**	**ug/L**	**0.30**
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.20
1,1-Dichloroethene	**20**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.20
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.60
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
Isopropyl ether	ND	2.0	ug/L	0.50
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	**0.32 J**	**1.0**	**ug/L**	**0.30**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
t-Butanol	ND	25	ug/L	6.0

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_8/116

GC/MS Volatiles

Lot-Sample #...: E1G120323-002 **Work Order #...:** EF9PL2AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromoform	ND	2.0	ug/L	0.60
Isopropylbenzene	ND	2.0	ug/L	0.60
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.80
1,2,3-Trichloropropane	ND	2.0	ug/L	0.80
n-Propylbenzene	ND	2.0	ug/L	0.80
Bromobenzene	ND	2.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	2.0	ug/L	0.40
2-Chlorotoluene	ND	2.0	ug/L	0.60
4-Chlorotoluene	ND	2.0	ug/L	0.60
tert-Butylbenzene	ND	2.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	2.0	ug/L	0.60
sec-Butylbenzene	ND	2.0	ug/L	0.60
p-Isopropyltoluene	ND	2.0	ug/L	0.60
1,3-Dichlorobenzene	ND	2.0	ug/L	0.60
1,4-Dichlorobenzene	ND	2.0	ug/L	0.60
n-Butylbenzene	ND	2.0	ug/L	0.60
1,2-Dichlorobenzene	ND	2.0	ug/L	0.60
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L	1.4
1,2,4-Trichloro-benzene	ND	2.0	ug/L	0.60
Hexachlorobutadiene	ND	2.0	ug/L	0.60
1,2,3-Trichlorobenzene	ND	2.0	ug/L	0.80
Acrolein	ND	40	ug/L	24
Tert-amyl methyl ether	ND	4.0	ug/L	1.0
Acrylonitrile	ND	40	ug/L	20
Tert-butyl ethyl ether	ND	4.0	ug/L	1.0
t-Butanol	ND	50	ug/L	12
Iodomethane	ND	4.0	ug/L	2.0
Isopropyl ether	ND	4.0	ug/L	1.0
2-Chloroethyl vinyl ether	ND	10	ug/L	4.0
Tetrahydrofuran	ND	20	ug/L	4.0
Vinyl acetate	ND	10	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 120)
1,2-Dichloroethane-d4	108	(65 - 130)
Toluene-d8	107	(80 - 130)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_1_10/85

GC/MS Volatiles

Lot-Sample #...: E1G120323-003 **Work Order #...:** EF9PM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Tert-butyl ethyl ether	ND	2.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.20
p-Isopropyltoluene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Tetrachloroethene	ND	1.0	ug/L	0.70
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**19**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.20
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.20
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.50
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	1.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 120)
1,2-Dichloroethane-d4	107	(65 - 130)
Toluene-d8	109	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_1_10/115

GC/MS Volatiles

Lot-Sample #...: E1G120323-004 **Work Order #...:** EF9PN1AA **Matrix.....:** WATER
Date Sampled...: 07/12/01 13:25 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1197258
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 12:31
Dilution Factor: 10
Analyst ID.....: 015590 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	100	ug/L	30
Benzene	ND	10	ug/L	3.0
Bromobenzene	ND	10	ug/L	3.0
Bromochloromethane	ND	10	ug/L	3.0
Bromoform	ND	10	ug/L	3.0
Bromomethane	ND	20	ug/L	10
Carbon tetrachloride	ND	5.0	ug/L	3.0
2-Butanone	ND	50	ug/L	30
n-Butylbenzene	ND	10	ug/L	3.0
sec-Butylbenzene	ND	10	ug/L	3.0
tert-Butylbenzene	ND	10	ug/L	2.0
Carbon disulfide	**48**	**10**	**ug/L**	**3.0**
Chlorobenzene	ND	10	ug/L	3.0
Dibromochloromethane	ND	10	ug/L	3.0
Dichlorodifluoromethane	ND	10	ug/L	4.0
Bromodichloromethane	ND	10	ug/L	3.0
1,2-Dichloroethane	**2.5 J**	**5.0**	**ug/L**	**2.0**
1,1-Dichloroethene	**490**	**10**	**ug/L**	**2.0**
Chloroethane	ND	20	ug/L	3.0
Chloroform	ND	10	ug/L	2.0
Chloromethane	ND	20	ug/L	3.0
2-Chlorotoluene	ND	10	ug/L	3.0
4-Chlorotoluene	ND	10	ug/L	3.0
1,2-Dibromo-3-chloro-propane	ND	20	ug/L	6.0
1,2-Dibromoethane	ND	10	ug/L	3.0
Iodomethane	ND	20	ug/L	10
Isopropyl ether	ND	20	ug/L	5.0
1,2-Dichlorobenzene	ND	10	ug/L	2.0
1,3-Dichlorobenzene	ND	10	ug/L	2.0
1,4-Dichlorobenzene	ND	10	ug/L	3.0
1,1-Dichloroethane	**2.5 J**	**10**	**ug/L**	**2.0**
cis-1,2-Dichloroethene	**8.8 J**	**10**	**ug/L**	**3.0**
trans-1,2-Dichloroethene	**6.4 J**	**10**	**ug/L**	**2.0**
Vinyl chloride	ND	5.0	ug/L	3.0
2,2-Dichloropropane	ND	10	ug/L	3.0
t-Butanol	ND	250	ug/L	60

(Continued on next page)

HALEY & ALDRICH INC

Client Sample ID: DDS_1_10/115

GC/MS Volatiles

Lot-Sample #...: E1G120323-004 **Work Order #...:** EF9PN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	10	ug/L	3.0
Tert-amyl methyl ether	ND	20	ug/L	5.0
Tert-butyl ethyl ether	ND	20	ug/L	5.0
Ethylbenzene	ND	10	ug/L	2.0
Hexachlorobutadiene	ND	10	ug/L	3.0
2-Hexanone	ND	50	ug/L	20
Isopropylbenzene	ND	10	ug/L	2.0
p-Isopropyltoluene	ND	10	ug/L	2.0
Methylene chloride	ND	10	ug/L	2.0
4-Methyl-2-pentanone	ND	50	ug/L	20
Methyl tert-butyl ether	ND	10	ug/L	5.0
n-Propylbenzene	ND	10	ug/L	4.0
Styrene	ND	10	ug/L	3.0
1,1,1,2-Tetrachloroethane	ND	10	ug/L	3.0
1,1,2,2-Tetrachloroethane	ND	10	ug/L	3.0
Tetrachloroethene	ND	10	ug/L	7.0
Toluene	ND	10	ug/L	3.0
1,2,3-Trichlorobenzene	ND	10	ug/L	4.0
1,2,4-Trichloro-benzene	ND	10	ug/L	3.0
1,1,1-Trichloroethane	ND	10	ug/L	2.0
1,1,2-Trichloroethane	**4.3 J**	**10**	**ug/L**	**3.0**
Trichloroethene	**65**	**10**	**ug/L**	**3.0**
Trichlorofluoromethane	ND	20	ug/L	2.0
1,2,3-Trichloropropane	ND	10	ug/L	3.0
1,2,4-Trimethylbenzene	ND	10	ug/L	2.0
1,3,5-Trimethylbenzene	ND	10	ug/L	2.0
Xylenes (total)	ND	10	ug/L	5.0
Acrolein	ND	200	ug/L	120
Acrylonitrile	ND	200	ug/L	100
Vinyl acetate	ND	50	ug/L	10
Tetrahydrofuran	ND	100	ug/L	20
2-Chloroethyl vinyl ether	ND	50	ug/L	20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 120)
1,2-Dichloroethane-d4	99	(65 - 130)
Toluene-d8	100	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_1_10/115

GC/MS Volatiles

Lot-Sample #...: E1G120323-004 **Work Order #...:** EF9PN2AA **Matrix.....:** WATER
Date Sampled...: 07/12/01 13:25 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1198173
Prep Date.....: 07/17/01 **Analysis Date..:** 07/17/01
Prep Batch #...: 1198360 **Analysis Time..:** 07:39
Dilution Factor: 2
Analyst ID.....: 004648 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.0	ug/L	0.80
Chloromethane	ND	4.0	ug/L	0.60
Vinyl chloride	ND	1.0	ug/L	0.60
Chloroethane	ND	4.0	ug/L	0.60
Bromomethane	ND	4.0	ug/L	2.0
Trichlorofluoromethane	ND	4.0	ug/L	0.60
1,1-Dichloroethene	**460 E**	**2.0**	**ug/L**	**0.60**
Methylene chloride	ND	2.0	ug/L	0.60
Methyl tert-butyl ether	ND	2.0	ug/L	1.0
Carbon disulfide	**48**	**2.0**	**ug/L**	**0.60**
Acetone	ND	20	ug/L	6.0
trans-1,2-Dichloroethene	**5.8**	**2.0**	**ug/L**	**0.60**
1,1-Dichloroethane	**2.5**	**2.0**	**ug/L**	**0.40**
2,2-Dichloropropane	ND	2.0	ug/L	0.60
cis-1,2-Dichloroethene	**8.6**	**2.0**	**ug/L**	**0.60**
Chloroform	**0.62 J**	**2.0**	**ug/L**	**0.60**
Bromochloromethane	ND	2.0	ug/L	0.60
1,1,1-Trichloroethane	ND	2.0	ug/L	0.40
2-Butanone	ND	10	ug/L	6.0
1,1-Dichloropropene	ND	2.0	ug/L	0.60
Carbon tetrachloride	ND	1.0	ug/L	0.60
1,2-Dibromoethane	ND	2.0	ug/L	0.60
Benzene	**1.1 J**	**2.0**	**ug/L**	**0.60**
Trichloroethene	**61**	**2.0**	**ug/L**	**0.60**
Bromodichloromethane	ND	2.0	ug/L	0.60
4-Methyl-2-pentanone	ND	10	ug/L	6.0
Toluene	ND	2.0	ug/L	0.60
1,1,2-Trichloroethane	**4.0**	**2.0**	**ug/L**	**0.60**
1,2-Dichloroethane	**2.5**	**1.0**	**ug/L**	**0.80**
Tetrachloroethene	ND	2.0	ug/L	1.4
2-Hexanone	ND	10	ug/L	6.0
Dibromochloromethane	ND	2.0	ug/L	0.80
Chlorobenzene	ND	2.0	ug/L	0.60
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	0.60
Ethylbenzene	ND	2.0	ug/L	0.40
Xylenes (total)	ND	2.0	ug/L	1.6
Styrene	ND	2.0	ug/L	0.60

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HALEY & ALDRICH INC

Client Sample ID: DDS_1_10/115

GC/MS Volatiles

Lot-Sample #...: E1G120323-004 **Work Order #...:** EF9PN2AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromoform	ND	2.0	ug/L	0.60
Isopropylbenzene	ND	2.0	ug/L	0.60
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	0.80
1,2,3-Trichloropropane	ND	2.0	ug/L	0.80
n-Propylbenzene	ND	2.0	ug/L	0.80
Bromobenzene	ND	2.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	2.0	ug/L	0.40
2-Chlorotoluene	ND	2.0	ug/L	0.60
4-Chlorotoluene	ND	2.0	ug/L	0.60
tert-Butylbenzene	ND	2.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	2.0	ug/L	0.60
sec-Butylbenzene	ND	2.0	ug/L	0.60
p-Isopropyltoluene	ND	2.0	ug/L	0.60
1,3-Dichlorobenzene	ND	2.0	ug/L	0.60
1,4-Dichlorobenzene	ND	2.0	ug/L	0.60
n-Butylbenzene	ND	2.0	ug/L	0.60
1,2-Dichlorobenzene	ND	2.0	ug/L	0.60
1,2-Dibromo-3-chloro-propane	ND	4.0	ug/L	1.4
1,2,4-Trichloro-benzene	ND	2.0	ug/L	0.60
Hexachlorobutadiene	ND	2.0	ug/L	0.60
1,2,3-Trichlorobenzene	ND	2.0	ug/L	0.80
Acrolein	ND	40	ug/L	24
Tert-amyl methyl ether	ND	4.0	ug/L	1.0
Acrylonitrile	ND	40	ug/L	20
Tert-butyl ethyl ether	ND	4.0	ug/L	1.0
t-Butanol	ND	50	ug/L	12
Iodomethane	ND	4.0	ug/L	2.0
Isopropyl ether	ND	4.0	ug/L	1.0
2-Chloroethyl vinyl ether	ND	10	ug/L	4.0
Tetrahydrofuran	ND	20	ug/L	4.0
Vinyl acetate	ND	10	ug/L	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 120)
1,2-Dichloroethane-d4	104	(65 - 130)
Toluene-d8	105	(80 - 130)

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...:	E1G120323-005	**Work Order #...:**	EF9PP1AA	**Matrix.....:**	W
Date Sampled...:	07/11/01	**Date Received..:**	07/12/01 17:00	**MS Run #.....:**	1
Prep Date.....:	07/13/01	**Analysis Date..:**	07/13/01		
Prep Batch #...:	1197421	**Analysis Time..:**	23:03		
Dilution Factor:	1				
Analyst ID.....:	004648	**Instrument ID..:**	MSH		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.20
1,1-Dichloroethene	ND	1.0	ug/L	0.20
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.20
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.60
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
Isopropyl ether	ND	2.0	ug/L	0.50
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
t-Butanol	ND	25	ug/L	6.0

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HALEY & ALDRICH INC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

t-Sample #...: E1G120323-005
te Sampled...: 07/11/01
ep Date.....: 07/13/01
ep Batch #...: 1197421
lution Factor: 1
alyst ID.....: 004648

Work Order #...: EF9PP1AA
Date Received..: 07/12/01 17:00
Analysis Date..: 07/13/01
Analysis Time..: 23:03

Instrument ID..: MSH
Method.....: SW846 8260B

Matrix.....: WATER
MS Run #.....: 1197258

AMETER	RESULT	REPORTING LIMIT	UNITS	MDL
tone	ND	10	ug/L	3.0
zene	ND	1.0	ug/L	0.30
mobenzene	ND	1.0	ug/L	0.30
mochloromethane	ND	1.0	ug/L	0.30
moform	ND	1.0	ug/L	0.30
momethane	ND	2.0	ug/L	1.0
bon tetrachloride	ND	0.50	ug/L	0.30
utanone	ND	5.0	ug/L	3.0
utylbenzene	ND	1.0	ug/L	0.30
-Butylbenzene	ND	1.0	ug/L	0.30
t-Butylbenzene	ND	1.0	ug/L	0.20
bon disulfide	ND	1.0	ug/L	0.30
orobenzene	ND	1.0	ug/L	0.30
romochloromethane	ND	1.0	ug/L	0.30
hlorodifluoromethane	ND	1.0	ug/L	0.40
nodichloromethane	ND	1.0	ug/L	0.30
-Dichloroethane	ND	0.50	ug/L	0.20
-Dichloroethene	ND	1.0	ug/L	0.20
oroethane	ND	2.0	ug/L	0.30
oroform	ND	1.0	ug/L	0.20
oromethane	ND	2.0	ug/L	0.30
hlorotoluene	ND	1.0	ug/L	0.30
hlorotoluene	ND	1.0	ug/L	0.30
-Dibromo-3-chloro-ropane	ND	2.0	ug/L	0.60
Dibromoethane	ND	1.0	ug/L	0.30
omethane	ND	2.0	ug/L	1.0
opyl ether	ND	2.0	ug/L	0.50
Dichlorobenzene	ND	1.0	ug/L	0.20
Dichlorobenzene	ND	1.0	ug/L	0.20
Dichlorobenzene	ND	1.0	ug/L	0.30
Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethene	ND	1.0	ug/L	0.30
s-1,2-Dichloroethene	ND	1.0	ug/L	0.20
l chloride	ND	0.50	ug/L	0.30
Dichloropropane	ND	1.0	ug/L	0.30
tanol	ND	25	ug/L	6.0

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HALEY & ALDRICH INC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: E1G120323-005 **Work Order #...:** EF9PP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Tert-butyl ethyl ether	ND	2.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.20
p-Isopropyltoluene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Tetrachloroethene	ND	1.0	ug/L	0.70
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.20
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.20
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.50
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	1.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 120)
1,2-Dichloroethane-d4	101	(65 - 130)
Toluene-d8	105	(80 - 130)

HALEY & ALDRICH INC

Client Sample ID: DDS_1_12/114

GC/MS Volatiles

Lot-Sample #...: E1G120323-006 **Work Order #...:** EF9PQ1AA **Matrix.....:** WATER
Date Sampled...: 07/12/01 12:10 **Date Received..:** 07/12/01 17:00 **MS Run #.....:** 1197258
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 13:01
Dilution Factor: 1
Analyst ID.....: 015590 **Instrument ID..:** MSH
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	3.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	0.50	ug/L	0.30
2-Butanone	ND	5.0	ug/L	3.0
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	**5.4**	**1.0**	**ug/L**	**0.30**
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
1,2-Dichloroethane	ND	0.50	ug/L	0.20
1,1-Dichloroethene	**3.1**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	**0.81 J**	**1.0**	**ug/L**	**0.20**
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	0.60
1,2-Dibromoethane	ND	1.0	ug/L	0.30
Iodomethane	ND	2.0	ug/L	1.0
Isopropyl ether	ND	2.0	ug/L	0.50
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.20
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	**0.44 J**	**1.0**	**ug/L**	**0.20**
cis-1,2-Dichloroethene	**1.4**	**1.0**	**ug/L**	**0.30**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	0.50	ug/L	0.30
2,2-Dichloropropane	ND	1.0	ug/L	0.30
t-Butanol	ND	25	ug/L	6.0

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HALEY & ALDRICH INC

Client Sample ID: DDS_1_12/114

GC/MS Volatiles

Lot-Sample #...: E1G120323-006 **Work Order #...:** EF9PQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	1.0	ug/L	0.30
Tert-amyl methyl ether	ND	2.0	ug/L	0.50
Tert-butyl ethyl ether	ND	2.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.20
p-Isopropyltoluene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.30
Tetrachloroethene	ND	1.0	ug/L	0.70
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**11**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.20
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.20
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.50
Acrolein	ND	20	ug/L	12
Acrylonitrile	ND	20	ug/L	10
Vinyl acetate	ND	5.0	ug/L	1.0
Tetrahydrofuran	ND	10	ug/L	2.0
2-Chloroethyl vinyl ether	ND	5.0	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 120)
1,2-Dichloroethane-d4	96	(65 - 130)
Toluene-d8	102	(80 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

DDS_2_8/91

GC/MS Volatiles

Lot-Sample #: E1G120323-001 **Work Order #:** EF9PK1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_2_8/91

GC/MS Volatiles

Lot-Sample #: E1G120323-001 **Work Order #:** EF9PK2AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_2_8/116

GC/MS Volatiles

Lot-Sample #: E1G120323-002 **Work Order #:** EF9PL1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_2_8/116

GC/MS Volatiles

Lot-Sample #: E1G120323-002 **Work Order #:** EF9PL1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_2_8/116

GC/MS Volatiles

Lot-Sample #: E1G120323-002 **Work Order #:** EF9PL2AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_1_10/85

GC/MS Volatiles

Lot-Sample #: E1G120323-003 **Work Order #:** EF9PM1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_1_10/115

GC/MS Volatiles

Lot-Sample #: E1G120323-004 **Work Order #:** EF9PN1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_1_10/115

GC/MS Volatiles

Lot-Sample #: E1G120323-004 **Work Order #:** EF9PN2AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

TRIP BLANK

GC/MS Volatiles

Lot-Sample #: E1G120323-005 **Work Order #:** EF9PP1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

DDS_1_12/114

GC/MS Volatiles

Lot-Sample #: E1G120323-006 **Work Order #:** EF9PQ1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

QC DATA ASSOCIATION SUMMARY

E1G120323

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		1197502	1197258
	WATER	SW846 8260B		1198360	1198173
002	WATER	SW846 8260B		1197502	1197258
	WATER	SW846 8260B		1198360	1198173
003	WATER	SW846 8260B		1197502	1197258
004	WATER	SW846 8260B		1197502	1197258
	WATER	SW846 8260B		1198360	1198173
005	WATER	SW846 8260B		1197421	1197258
006	WATER	SW846 8260B		1197502	1197258

QC DATA ASSOCIATION SUMMARY

E1G120323

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		1197502	1197258
	WATER	SW846 8260B		1198360	1198173
002	WATER	SW846 8260B		1197502	1197258
	WATER	SW846 8260B		1198360	1198173
003	WATER	SW846 8260B		1197502	1197258
004	WATER	SW846 8260B		1197502	1197258
	WATER	SW846 8260B		1198360	1198173
005	WATER	SW846 8260B		1197421	1197258
006	WATER	SW846 8260B		1197502	1197258

HALEY & ALDRICH INC

Method Blank Report

GC/MS Volatiles

Lot-Sample #: E1G160000-421 B **Work Order #:** EGE2C1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

Method Blank Report

GC/MS Volatiles

Lot-Sample #: E1G160000-502 B **Work Order #:** EGE9Q1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

HALEY & ALDRICH INC

Method Blank Report

GC/MS Volatiles

Lot-Sample #: E1G170000-360 B **Work Order #:** EGGFX1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323
MB Lot-Sample #: E1G160000-421

Analysis Date..: 07/13/01
Dilution Factor: 1

Work Order #...: EGE2C1AA

Prep Date.....: 07/13/01
Prep Batch #...: 1197421

Analyst ID.....: 004648

Matrix.....: WATER

Analysis Time..: 22:33
Instrument ID..: MSH

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isopropyl ether	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
t-Butanol	ND	25	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Tert-butyl ethyl ether	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE2C1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 120)
1,2-Dichloroethane-d4	102	(65 - 130)
Toluene-d8	100	(80 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE9Q1AA **Matrix.....:** WATER
MB Lot-Sample #: E1G160000-502

Prep Date.....: 07/16/01 **Analysis Time..:** 09:45
Analysis Date..: 07/16/01 **Prep Batch #...:** 1197502 **Instrument ID..:** MSH
Dilution Factor: 1

Analyst ID.....: 015590

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	**0.34 J**	**1.0**	**ug/L**	**SW846 8260B**
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isopropyl ether	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
t-Butanol	ND	25	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Tert-butyl ethyl ether	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE9Q1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 120)
1,2-Dichloroethane-d4	88	(65 - 130)
Toluene-d8	97	(80 - 130)

NOTE(S):

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

J Estimated result. Result is less than RL.

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGGFX1AA **Matrix.....**
MB Lot-Sample #: E1G170000-360

Prep Date.....: 07/16/01 **Analysis Tim**
Analysis Date..: 07/16/01 **Prep Batch #...:** 1198360 **Instrument I**
Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 82
Chloromethane	ND	2.0	ug/L	SW846 82
Vinyl chloride	ND	0.50	ug/L	SW846 82
Chloroethane	ND	2.0	ug/L	SW846 82
Bromomethane	ND	2.0	ug/L	SW846 82
Trichlorofluoromethane	ND	2.0	ug/L	SW846 82
1,1-Dichloroethene	ND	1.0	ug/L	SW846 82
Methylene chloride	ND	1.0	ug/L	SW846 82
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 82
Carbon disulfide	ND	1.0	ug/L	SW846 82
Acetone	ND	10	ug/L	SW846 82
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 82
1,1-Dichloroethane	ND	1.0	ug/L	SW846 82
2,2-Dichloropropane	ND	1.0	ug/L	SW846 82
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 82
Chloroform	ND	1.0	ug/L	SW846 82
Bromochloromethane	ND	1.0	ug/L	SW846 82
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 82
2-Butanone	ND	5.0	ug/L	SW846 82
1,1-Dichloropropene	ND	1.0	ug/L	SW846 82
Carbon tetrachloride	ND	0.50	ug/L	SW846 82
1,2-Dibromoethane	ND	1.0	ug/L	SW846 82
Benzene	ND	1.0	ug/L	SW846 82
Trichloroethene	ND	1.0	ug/L	SW846 82
Bromodichloromethane	ND	1.0	ug/L	SW846 82
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 82
Toluene	ND	1.0	ug/L	SW846 82
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 82
1,2-Dichloroethane	ND	0.50	ug/L	SW846 82
Tetrachloroethene	ND	1.0	ug/L	SW846 82
2-Hexanone	ND	5.0	ug/L	SW846 82
Dibromochloromethane	ND	1.0	ug/L	SW846 82
Chlorobenzene	ND	1.0	ug/L	SW846 82
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 82
Ethylbenzene	ND	1.0	ug/L	SW846 82
Xylenes (total)	ND	1.0	ug/L	SW846 82
Styrene	ND	1.0	ug/L	SW846 82
Bromoform	ND	1.0	ug/L	SW846 82
Isopropylbenzene	ND	1.0	ug/L	SW846 82
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 82

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323
MB Lot-Sample #: E1G170000-360

Work Order #...: EGGFX1AA

Matrix.....: WATER

Analysis Date..: 07/16/01
Dilution Factor: 1

Prep Date.....: 07/16/01
Prep Batch #...: 1198360

Analyst ID.....: 004648

Analysis Time..: 22:40
Instrument ID..: MSH

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	0.50	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGGFX1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Tert-butyl ethyl ether	ND	2.0	ug/L	SW846 8260B
t-Butanol	ND	25	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isopropyl ether	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 120)
1,2-Dichloroethane-d4	92	(65 - 130)
Toluene-d8	107	(80 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE2C1AC **Matrix.....:** WATER
LCS Lot-Sample#: E1G160000-421
Prep Date.....: 07/13/01 **Analysis Date..:** 07/13/01
Prep Batch #...: 1197421 **Analysis Time..:** 22:03
Dilution Factor: 1 **Instrument ID..:** MSH
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.54**	**ug/L**	**95**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.68**	**ug/L**	**97**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Toluene	**10.0**	**9.44**	**ug/L**	**94**	**SW846 8260B**
Trichloroethene	**10.0**	**9.02**	**ug/L**	**90**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(75 - 120)
1,2-Dichloroethane-d4	106	(65 - 130)
Toluene-d8	110	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE9Q1AC **Matrix.....:** WATER
LCS Lot-Sample#: E1G160000-502
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 09:15
Dilution Factor: 1 **Instrument ID..:** MSH
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.94**	**ug/L**	**99**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.94**	**ug/L**	**99**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Toluene	**10.0**	**9.64**	**ug/L**	**96**	**SW846 8260B**
Trichloroethene	**10.0**	**9.43**	**ug/L**	**94**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 120)
1,2-Dichloroethane-d4	94	(65 - 130)
Toluene-d8	100	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGGFX1AC **Matrix.....:** WATER
LCS Lot-Sample#: E1G170000-360
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1198360 **Analysis Time..:** 22:10
Dilution Factor: 1 **Instrument ID..:** MSH
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Benzene	**10.0**	**9.90**	**ug/L**	**99**	**SW846 8260B**
Trichloroethene	**10.0**	**9.31**	**ug/L**	**93**	**SW846 8260B**
Toluene	**10.0**	**9.63**	**ug/L**	**96**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.67**	**ug/L**	**97**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 120)
1,2-Dichloroethane-d4	98	(65 - 130)
Toluene-d8	108	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE2C1AC **Matrix.....:** WATER
LCS Lot-Sample#: E1G160000-421
Prep Date.....: 07/13/01 **Analysis Date..:** 07/13/01
Prep Batch #...: 1197421 **Analysis Time..:** 22:03
Dilution Factor: 1 **Instrument ID..:** MSH
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**95**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**97**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(70 - 130)**	**SW846 8260B**
Toluene	**94**	**(80 - 120)**	**SW846 8260B**
Trichloroethene	**90**	**(75 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	107	(75 - 120)
1,2-Dichloroethane-d4	106	(65 - 130)
Toluene-d8	110	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGE9Q1AC **Matrix.....:** WATER
LCS Lot-Sample#: E1G160000-502
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1197502 **Analysis Time..:** 09:15
Dilution Factor: 1 **Instrument ID..:** MSH
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**99**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**99**	**(80 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**106**	**(70 - 130)**	**SW846 8260B**
Toluene	**96**	**(80 - 120)**	**SW846 8260B**
Trichloroethene	**94**	**(75 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 120)
1,2-Dichloroethane-d4	94	(65 - 130)
Toluene-d8	100	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1G120323 **Work Order #...:** EGGFX1AC **Matrix.....:**
LCS Lot-Sample#: E1G170000-360
Prep Date.....: 07/16/01 **Analysis Date..:** 07/16/01
Prep Batch #...: 1198360 **Analysis Time..:** 22:10
Dilution Factor: 1 **Instrument ID..:** MSH
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**104**	**(70 - 130)**	**SW846 8260B**
Benzene	**99**	**(75 - 120)**	**SW846 8260B**
Trichloroethene	**93**	**(75 - 130)**	**SW846 8260B**
Toluene	**96**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**97**	**(80 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 120)
1,2-Dichloroethane-d4	98	(65 - 130)
Toluene-d8	108	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1G120323	**Work Order #...:**	EF9PK1AC-MS EF9PK1AD-MSD	**Matrix.....:**	WATER
MS Lot-Sample #:	E1G120323-001				
Date Sampled...:	07/11/01 16:16	**Date Received..:**	07/12/01 17:00	**MS Run #.....:**	1197258
Prep Date.....:	07/16/01	**Analysis Date..:**	07/16/01		
Prep Batch #...:	1197502	**Analysis Time..:**	19:01		
Dilution Factor:	12.5	**Analyst ID.....:**	015590	**Instrument ID..:**	MSH

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**ND**	**125**	**130**	**ug/L**	**104**		**SW846 8260B**
	ND	**125**	**124**	**ug/L**	**99**	**5.0**	**SW846 8260B**
Chlorobenzene	**ND**	**125**	**130**	**ug/L**	**104**		**SW846 8260B**
	ND	**125**	**123**	**ug/L**	**98**	**5.8**	**SW846 8260B**
1,1-Dichloroethene	**6.5**	**125**	**145**	**ug/L**	**110**		**SW846 8260B**
	6.5	**125**	**141**	**ug/L**	**108**	**2.6**	**SW846 8260B**
Toluene	**ND**	**125**	**124**	**ug/L**	**99**		**SW846 8260B**
	ND	**125**	**120**	**ug/L**	**96**	**2.7**	**SW846 8260B**
Trichloroethene	**750**	**125**		**ug/L**	**0.0**		**SW846 8260B**
	Qualifiers: NC,MSB						
	750	**125**		**ug/L**	**0.0**	**0.0**	**SW846 8260B**
	Qualifiers: NC,MSB						

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(75 - 120)
	105	(75 - 120)
1,2-Dichloroethane-d4	108	(65 - 130)
	108	(65 - 130)
Toluene-d8	104	(80 - 130)
	104	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E1G120323	**Work Order #...:**	EGA121AC-MS EGA121AD-MSD	**Matrix.....:**	WATER
MS Lot-Sample #:	E1G130223-021				
Date Sampled...:	07/11/01 13:10	**Date Received..:**	07/13/01 10:15	**MS Run #.....:**	1198173
Prep Date.....:	07/17/01	**Analysis Date..:**	07/17/01		
Prep Batch #...:	1198360	**Analysis Time..:**	05:39		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSH

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.3**	**ug/L**	**103**	**0.19**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.92**	**ug/L**	**99**		**SW846 8260B**
	ND	**10.0**	**9.89**	**ug/L**	**99**	**0.30**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.40**	**ug/L**	**94**		**SW846 8260B**
	ND	**10.0**	**9.23**	**ug/L**	**92**	**1.8**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.75**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.31**	**ug/L**	**93**	**4.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.53**	**ug/L**	**95**		**SW846 8260B**
	ND	**10.0**	**9.48**	**ug/L**	**95**	**0.52**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 120)
	101	(75 - 120)
1,2-Dichloroethane-d4	106	(65 - 130)
	108	(65 - 130)
Toluene-d8	110	(80 - 130)
	107	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

323 **Work Order #...:** EGA121AC-MS **Matrix.....:** WATER x.....: WATER
223-021 EGA121AD-MSD
01 13:10 **Date Received..:** 07/13/01 10:15 **MS Run #.....:** 1198173 n #.....: 1197258
01 **Analysis Date..:** 07/17/01
0 **Analysis Time..:** 05:39
Analyst ID.....: 004648 **Instrument ID..:** MSH rument ID..: MSH

SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD	METHOD
ND	10.0	10.3	ug/L	103		SW846 8260B	SW846 8260B
ND	10.0	10.3	ug/L	103	0.19	SW846 8260B	SW846 8260B
ND	10.0	9.92	ug/L	99		SW846 8260B	SW846 8260B
ND	10.0	9.89	ug/L	99	0.30	SW846 8260B	SW846 8260B
ND	10.0	9.40	ug/L	94		SW846 8260B	SW846 8260B
ND	10.0	9.23	ug/L	92	1.8	SW846 8260B	SW846 8260B
ND	10.0	9.75	ug/L	98		SW846 8260B	SW846 8260B
ND	10.0	9.31	ug/L	93	4.6	SW846 8260B	SW846 8260B
ND	10.0	9.53	ug/L	95		SW846 8260B	SW846 8260B
ND	10.0	9.48	ug/L	95	0.52	SW846 8260B	SW846 8260B

PERCENT RECOVERY	RECOVERY LIMITS
102	(75 - 120)
101	(75 - 120)
106	(65 - 130)
108	(65 - 130)
110	(80 - 130)
107	(80 - 130)

oid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E1G120323	**Work Order #...:**	EGA121AC-MS EGA121AD-MSD	**Matrix.....:**	
MS Lot-Sample #:	E1G130223-021				
Date Sampled...:	07/11/01 13:10	**Date Received..:**	07/13/01 10:15	**MS Run #.....:**	
Prep Date.....:	07/17/01	**Analysis Date..:**	07/17/01		
Prep Batch #...:	1198360	**Analysis Time..:**	05:39		
Dilution Factor:	1	**Analyst ID.....:**	004648	**Instrument ID..:**	

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**103**	**(70 - 130)**			**SW846 8260B**
	103	**(70 - 130)**	**0.19**	**(0-25)**	**SW846 8260B**
Benzene	**99**	**(75 - 120)**			**SW846 8260B**
	99	**(75 - 120)**	**0.30**	**(0-25)**	**SW846 8260B**
Trichloroethene	**94**	**(75 - 130)**			**SW846 8260B**
	92	**(75 - 130)**	**1.8**	**(0-25)**	**SW846 8260B**
Toluene	**98**	**(80 - 120)**			**SW846 8260B**
	93	**(80 - 120)**	**4.6**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**95**	**(80 - 120)**			**SW846 8260B**
	95	**(80 - 120)**	**0.52**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(75 - 120)
	101	(75 - 120)
1,2-Dichloroethane-d4	106	(65 - 130)
	108	(65 - 130)
Toluene-d8	110	(80 - 130)
	107	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters