N00236.001535
ALAMEDA POINT
SSIC NO. 5090.3

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY (CLEAN II)
Northern and Central California, Nevada, and Utah
Contract Number N62474-94-D-7609
Contract Task Order No. 0122

Prepared For

U.S. DEPARTMENT OF THE NAVY
Patricia McFadden, Remedial Project Manager
Engineering Field Activity West
Naval Facilities Engineering Command
San Bruno, California

DATA TRANSMITTAL MEMORANDUM FOR SITES 4 AND 5 CHLORINATED SOLVENT PLUME DEFINITION AND SITE 14 SUMP INVESTIGATION AT ALAMEDA POINT ALAMEDA, CALIFORNIA

APPENDICES

June 26, 1998

Prepared By

TETRA TECH EM INC.
10670 White Rock Road, Suite 100
Rancho Cordova, California 95670
(916) 852-8300

and

EINARSON, FOWLER, AND WATSON
2650 East Bayshore Road
Palo Alto, California 94303

N00236.001535
ALAMEDA POINT
SSIC NO. 5090.3

DATA TRANSMITTAL MEMORANDUM FOR SITES 4 AND 5 CHLORINATED SOLVENT PLUME DEFINITION AND SITE 14 SUMP INVESTIGATION

DATED 26 JUNE 1998

IS ENTERED IN THE DATABASE AND FILED AT ADMINISTRATIVE RECORD NO. **N00236.001534**

APPENDIX A

INVESTIGATION DERIVED WASTE MANIFESTS

NON-HAZARDOUS WATER TRANSPORT FORM

9 7 3 3 0

GENERATOR INFORMATION

Name: United States Navy
Address: Alameda Point
Alameda Ca

CUSTOMER INFORMATION

Precision Sampling

PO #

DESCRIPTION OF WATER: CLEAN SUMPS
NON-HAZARDOUS WASTE WATER, MONITORING WELL PURGE WATER AND/OR AUGER RINSATE, TANK RINSATE OR ABOVE DESCRIBED WATER. THIS WATER MAY CONTAIN DISSOLVED HYDROCARBONS. I CERTIFY THAT THE ABOVE NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10)AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

US NAVY Robert Lawson ROBERT LAWSON — Generator/Authorised Agent

Sign — 3-30-98 date

SITE INFORMATION

Alameda Point
Alameda
Ca

GROSS	
TARE	
NET	
TOTAL GALLONS	3200 gal

Calculated at 8.34lbs per USG

TRANSPORTER INFORMATION

Name: NG Chemical
Address:

Truck ID: #8

Driver: Brian Chandler — Print full name & sign — 3-30-98 date

TIME OUT	
TIME IN	
TIME SPENT	

DISPOSAL FACILITY INFORMATION

Seaport Environmental
675 Seaport Boulevard
Redwood City, Ca 94063
Phone: (650) 364 1024

Approval Number: 801 - 099

Solids %Wt: 0%

pH: 5

Solids Surcharge ¢/USG:

M 15 66

Received by: Javier Valdes — Print full name & sign — 3-30-98 date

NON-HAZARDOUS SOIL SAMPLE/RINSATE DATA FORM

GENERATOR

NAME NAVAL AIR STATION PHONE

ADDRESS ALAMEDA POINT FAX

CITY ALAMEDA STATE CALIF ZIP

SITE INFORMATION

NAME NAVAL AIR STATION PHONE

ADDRESS ALAMEDA POINT

CITY ALAMEDA STATE CALIF ZIP

COMPONENTS OF WASTE	PPM	# PAILS 5 GAL	# DRUMS 55 GAL	WATER	SOIL
1			25	✓	
2					
3					
4					

By signing below, the generator or agent for generator certifies that the above information is correct and the material considered for disposal is NON-HAZARDOUS.

PRINT NAME _____ SIGNATURE _____ DATE _____

TRANSPORTER

Precision Sampling Inc.
47 Louise Street
San Rafael, Calif. 94901

PHONE 415-456-9875
FAX 415-456-9897

SAMPLING RIG NA RIG OPERATOR JACOB FRIES

DATE 5.14.99 SIGNATURE [signature]

PROCESSING FACILITY

WATER

Seaport Environmental
675 Seaport Blvd.
Redwood City, CA 94063 Ph: 415-364-8154

RECIPIENTS SIGNATURE [signature]

DATE 5-29-99

SOIL

TPS Technologies
20 Recycling Lane
Richmond, CA 94801 Ph: 510-235-8778

RECIPIENTS SIGNATURE _____

DATE _____

This material has not been accepted for disposal by a facility. The quoted prices are contingent upon acceptance of the waste material by the disposal facility. The disposal facility may require additional analytical tests.

DATA FORM NUMBER № 00229

NON - HAZARDOUS WATER TRANSPORT FORM

Number 97411

GENERATOR INFORMATION

Name: PRECISION SAMPLING
Address: 47 LOUISE ST
City, State, Zip: SAN RAFAEL Phone #: 415-456-9875
FAX#

DESCRIPTION OF WATER: CLEANING SHIPS BILGE
NON-HAZARDOUS WASTE WATER, MONITORING WELL PURGE WATER AND/OR AUGER RINSATE, TANK RINSATE. THIS WATER MAY CONTAIN DISSOLVED HYDROCARBONS. I CERTIFY THAT THE BELOW NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10)AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHERAPPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

Precision Sampling — Generator/Authorised Agent
Signature & Date 5-29-98

SITE INFORMATION

	STA #	JOB #	TANK #	ADDRESS	USG
1				Same As Above	2300gal
2					
3					
4					

TOTAL GALLONS: 2300gal

TRANSPORTER INFORMATION:

GROSS	
TARE	
NET	
TOTAL GALLONS	2300gal

Name: NG CHEM
Address: 1495 INDUSTRIAL
City, State, Zip: SAN JOSE, CAL. 95112 Phone #: (408)288-5616 Fax# 288-6927

Truck ID #: #11 Driver: Francis A. Greenler III
(Typed or printed full name & signature) (Date) 5-29-98

DISPOSAL FACILITY INFORMATION:

Time Out:	
Time In:	
Time Spent:	

Name: Seaport Environmental
Address: 675 Seaport Boulevard Phone #: (415) 364 1024 Fax# 364-1021
City, State, Zip: Redwood City, Ca 94063

Approval #: 609-503 Received by:
Tom Shinault (Typed or printed full name & signature) (Date) 5-29-98

Seaport

NG CHEMICAL INC. DRIVER'S TIME REPORT

CLIENT Percision Sampling PROJECT #'S ~~97411~~ 97411

DATE 5-29-98 TRUCK # 11 TRAILER # 15

START SHIFT 630 Am END SHIFT _____ TOTAL HRS _____

START MILES _____ STOP MILES _____ TOTAL MILES _____

SITE LOCATION	TIME ARRIVED	TIME DEPARTED	TOTAL TIME	COMMENTS	MANIFEST NUMBER'S	ODOMETER READING
YARD		640 Am				
San Rafael Percision	815	1015 am		Pump Drums	54x 55gal ≈ 2300gal	

COMMENTS/REASONS FOR DELAYS/ETC.: Pump 54x 55gal drums of wate for a total of ≈ 2300gals of water. Transportewater to Seaport Enviromental, Redwood City, Ca for Treatment and disposal

SUPPLIES USED: Drums: Qty: _____ Type: _____ Size: _____

LINERS/PLASTIC: Qty: _____ Mil: _____ ABSORBENT: Qty: _____ Type: _____

PPE: GLOVES: Qty: _____ Type: _____ SUITS: Qty: 1 Type: Tyvek Size: 4x

OTHER: _____

CHEMICALS EXPOSED TO: well purge water

ON SITE SAFETY BREIFING CONDUCTED BY: F. Greenler

EMPLOYEES NAME (PRINT): Francis A. Greenler III SIGNATURE: Francis A. Greenler

SUPERVISORS SIGNATURE: _____ DATE: _____

CLIENT AUTHORIZATION: [signature] DATE: 5.29.98

47 Louise St., San Rafael, CA 94901
PH: 415-456-9875 fax: 415-456-9897

e-mail: mike@precisionsampling.com
www.precisionsampling.com

Precision Sampling, Inc.

Fax

To:	**Rob Langdon**	**From:**	Mike Casey
Co.:	**EFW**	**Date:**	June 15, 1998
Fax:	650-843-3815	**Phone:**	
Re:			

- **Comments:**

Dear Rob:

Please find the forms for the disposal of rinsate water. All of the soil and sludge was composited into our 5 cubic yard soil container and we are waiting to collect enough volume for recycling. I believe we will recycle this in one month.

Best regards,
Precision Sampling, Inc.

Michael B. Casey
Vice President

NON-HAZARDOUS SOIL SAMPLE/RINSATE DATA FORM

GENERATOR

NAME ALAMEDA NAVAL AIR STATION PHONE

ADDRESS ALAMEDA POINT FAX

CITY ALAMEDA STATE CA ZIP 94501

SITE INFORMATION

NAME ALAMEDA POINT PHONE

ADDRESS

CITY ALAMEDA STATE CA ZIP 94501

COMPONENTS OF WASTE	PPM	# PAILS 5 GAL	# DRUMS 55 GAL	WATER	SOIL
1 Soil			8		Z
2					
3					
4					

By signing below, the generator or agent for generator certifies that the above information is correct and the material considered for disposal is NON-HAZARDOUS.

PRINT NAME ROBERT LANGDON SIGNATURE [signature] DATE 3-24-97

TRANSPORTER

Precision Sampling Inc.
47 Louise Street
San Rafael, Calif. 94901

PHONE 415-456-9875
FAX 415-456-9897

SAMPLING RIG SD-1

RIG OPERATOR [signature]

DATE MARCH 27, 1998

SIGNATURE DON WINGLEWICH

PROCESSING FACILITY

WATER

Seaport Environmental
675 Seaport Blvd.
Redwood City, CA 94063 Ph: 415-364-8154

RECIPIENTS SIGNATURE

DATE

SOIL

TPS Technologies
20 Recycling Lane
Richmond, CA 94801 Ph: 510-235-8778

RECIPIENTS SIGNATURE

DATE

This material has not been accepted for disposal by a facility. The quoted prices are contingent upon acceptance of the waste material by the disposal facility. The disposal facility may require additional analytical tests.

DATA FORM NUMBER № 00350

APPENDIX B

CERTIFIED ANALYTICAL REPORTS
ONSITE ENVIRONMENTAL LABORATORIES, INC.

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	01/21/98	**Project Mgr :**	Robert Langdon
Date received :	01/21/98	**Client :**	EFW
Date analyzed :	01/21/98	**Project :**	Alameda Point
Report # :	2E001.xls	**Units :**	µg/L
		Matrix :	water

Field ID Number		S04-2-1-5.5	S04-3-2-7.5	S04-3-2-9.5	S04-3-2-11.5	S04-3-2-20	S04-3-2-25
Lab ID Number		122-S04-003	122-S04-015	122-S04-016	122-S04-017	122-S04-018	122-S04-019
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	**1.0**	**0.6**	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	**0.9**	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**4.8**	**11**	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	**200**	**81**	**14**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	**1.1**	**1.1**	**1.9**	ND	**1.3**	**2.3**
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	**0.7**	**0.6**	**1.3**	ND	**0.9**	**2.4**
1,2-Dichloroethane-d4	surr.	91%	90%	92%	90%	88%	89%
Toluene-d8	surr.	101%	101%	99%	99%	99%	100%
4-Bromofluorobenzene	surr.	92%	89%	91%	91%	92%	91%
Pentafluorobenzene	Internal Std.	pass	pass	pass	pass	pass	pass
1,4-Difluorobenzene	Internal Std.	pass	pass	pass	pass	pass	pass
Chlorobenzene-d5	Internal Std.	pass	pass	pass	pass	pass	pass
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Gerald Vogt
Laboratory director

2/2/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/21/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/21/98**	**Client :**	**EFW**
Date analyzed :	**01/21,22/98**	**Project :**	**Alameda Point**
Report # :	**2E001.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		S04-3-2-30	RINSATE-01	FB-01
Lab ID Number		122-S04-020	122-S04-042	122-S04-051
Target Compounds	RL			
Vinyl chloride	0.5	ND	ND	ND
Chloroethane	0.5	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND
Trichloroethene	0.5	**0.9**	ND	ND
Tetrachloroethene	0.5	ND	ND	ND
Benzene	0.5	ND	ND	ND
Toluene	0.5	**3.2**	**1.5**	**0.6**
Ethyl Benzene	0.5	ND	ND	ND
Xylenes (total)	0.5	**2.4**	**1.8**	**0.7**
1,2-Dichloroethane-d4	surr.	91%	91%	92%
Toluene-d8	surr.	102%	100%	101%
4-Bromofluorobenzene	surr.	92%	92%	92%
Pentafluorobenzene	Internal Std.	pass	pass	pass
1,4-Difluorobenzene	Internal Std.	pass	pass	pass
Chlorobenzene-d5	Internal Std.	pass	pass	pass
Dilution factor (DF)		1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/21/98
Report # : 2E001.xls

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	50	39.4	79%	50%-150%
Chloroethane	0.5	ND	50	45.3	91%	50%-150%
1,1-Dichloroethene	0.5	ND	50	49.6	99%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	50	51.5	103%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	50	51.7	103%	50%-150%
1,1,1-Trichloroethane	0.5	ND	50	50.6	101%	50%-150%
1,2-Dichloroethane	0.5	ND	50	48.5	97%	50%-150%
Trichloroethene	0.5	ND	50	51.1	102%	50%-150%
Tetrachloroethene	0.5	ND	50	52.3	105%	50%-150%
Benzene	0.5	ND	50	50.4	101%	50%-150%
Toluene	0.5	ND	50	48.3	97%	50%-150%
Ethyl Benzene	0.5	ND	50	52.1	104%	50%-150%
Xylenes (total)	0.5	ND	150	153.1	102%	50%-10%
1,2-Dichloroethane-d4	surr.	95%			96%	50%-150%
Toluene-d8		100%			100%	50%-150%
4-Bromofluorobenzene		96%			91%	50%-150%
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%
1,4-Difluorobenzene		pass			pass	30%-200%
Chlorobenzene-d5		pass			pass	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/21/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/21/98**	**Client :**	**EFW**
Date analyzed :	**01/21/98**	**Project :**	**Alameda Point**
Report # :	**2E001.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Lab ID Number		Sample	122-S04-017 MS						
		122-S04-017	Spike level	Conc.	% Recov.	QC Limits			
Target Compounds	RL								
Vinyl chloride	0.5	ND	20	14.5	73%	50%-150%			
Chloroethane	0.5	ND	20	17.9	90%	50%-150%			
1,1-Dichloroethene	0.5	1.0	20	20.4	97%	50%-150%			
trans-1,2-Dichloroethene	0.5	ND	20	20.2	101%	50%-150%			
cis-1,2-Dichloroethene	0.5	4.8	20	24.7	100%	50%-150%			
1,1,1-Trichloroethane	0.5	ND	20	19.8	99%	50%-150%			
1,2-Dichloroethane	0.5	ND	20	18.2	91%	50%-150%			
Trichloroethene	0.5	203.3	20	221.4	91%	50%-150%			
Tetrachloroethene	0.5	ND	20	21.9	110%	50%-150%			
Benzene	0.5	ND	20	20.5	103%	50%-150%			
Toluene	0.5	ND	20	20.6	103%	50%-150%			
Ethyl Benzene	0.5	ND	20	21.3	107%	50%-150%			
Xylenes (total)	0.5	ND	60	63.0	105%	50%-150%			
1,2-Dichloroethane-d4	surr.	90%			85%	50%-150%			
Toluene-d8		99%			101%	50%-150%			
4-Bromofluorobenzene		91%			89%	50%-150%			
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%			
1,4-Difluorobenzene		pass			pass	30%-200%			
Chlorobenzene-d5		pass			pass	30%-200%			
Dilution factor (DF)		1			1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

2/2/98
Date

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

Page 1 of 1

PO # _____

CONTRACT LABORATORY:

TURN-AROUND TIME:

Project No.: [illegible]

Site Name: ALAMEDA [illegible]

Sampler(s): (printed) E. LANDON (signature) [illegible]

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: [illegible]	Remarks
S04-2-7.5	1-2-NB	1/14/96	1415	H_2O	7.5	Vol/Amber	2	N	N	X	122-S04-15
S04-2-1-5.5	"		1405	"	5.5	"	2	"	"	X	122-S04-003
S04-3-2-9.5			1330	"	9.5	"	2	"	"	X	122-S04-016
S04-3-2-11.5			1415	"	11.5	"	2	"	"	X	122-S04-017
S04-3-2-20			1535	"	20	"	2	"	"	X	122-S04-018
S04-3-2-25			1515	"	25	"	2	"	"	X	122-S04-019
S04-3-2-30			1615	"	30	"	2	"	"	X	122-S04-20
~~[illegible]~~	RINSATE-01		1700	"	—	"	1	"	"	X	122-S04-042
FB-01	FB-01		1700	"	—	"	1	"	"	X	~~HOLD~~ 122-S04-057

Relinquished by: (signature)	Received by: (signature)	Date/Time:
[illegible]	Michael [illegible]	1/21/98 17:00
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/22/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/22/98**	**Client :**	**EFW**
Date analyzed :	**01/22/98**	**Project :**	**Alameda Point**
Report # :	**2E002.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		S04-3-1-5.5	S04-3-1-13.5	S04-3-1-15.5	S04-3-3-5.5-Dup	S04-3-3-5.5	S04-3-3-7.5
Lab ID Number		122-S04-012	122-S04-013	122-S04-014	122-S04-052	122-S04-021	122-S04-022
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	**3.0**	**2.9**	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	**1.8**	1.9 J	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**150**	**150**	**1.5**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	**110**	**120**	**2.4**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	**1.5**	**1.4**	**2.1**	**2.5**	**0.7**
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	**1.1**	**1.1**	ND	ND	ND
1,2-Dichloroethane-d4	surr.	91%	87%	88%	84%	88%	81%
Toluene-d8	surr.	101%	100%	100%	100%	99%	101%
4-Bromofluorobenzene	surr.	91%	91%	89%	90%	89%	89%
Pentafluorobenzene	Internal Std.	pass	pass	pass	pass	pass	pass
1,4-Difluorobenzene	Internal Std.	pass	pass	pass	pass	pass	pass
Chlorobenzene-d5	Internal Std.	pass	pass	pass	pass	pass	pass
Dilution factor (DF)		1	1	1	2.5	5	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Gerald Vogt
Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/22/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/22/98**	**Client :**	**EFW**
Date analyzed :	**01/22/98**	**Project :**	**Alameda Point**
Report # :	**2E002.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		S04-3-3-11.5	S04-3-3-20	S04-3-3-25	S04-3-3-30	RINSATE-02
Lab ID Number		122-S04-023	122-S04-024	122-S04-025	122-S04-026	122-S04-043
Target Compounds	RL					
Vinyl chloride	0.5	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	**3.2**	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	**5.2**	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	**55**	**4.5**	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND
Trichloroethene	0.5	**790**	**2800 ***	**1500**	**760**	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND
Toluene	0.5	ND	**5.3**	ND	ND	**0.8**
Ethyl Benzene	0.5	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	**3.9**	ND	ND	**0.6**
1,2-Dichloroethane-d4	surr.	85%	85% / 90%	86%	88%	83%
Toluene-d8	surr.	99%	100% / 100%	100%	101%	99%
4-Bromofluorobenzene	surr.	89%	89% / 92%	90%	91%	89%
Pentafluorobenzene	Internal Std.	pass	pass / pass	pass	pass	pass
1,4-Difluorobenzene	Internal Std.	pass	pass / pass	pass	pass	pass
Chlorobenzene-d5	Internal Std.	pass	pass / pass	pass	pass	pass
Dilution factor (DF)		5	5 / 50*	10	5	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/22/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/22/98**	**Client :**	**EFW**
Date analyzed :	**01/22/98**	**Project :**	**Alameda Point**
Report # :	**2E002.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Lab ID Number		Sample	122-S04-022 MS				Samp	Dup	RPD
		122-S04-022	Spike level	Conc.	% Recov.	QC Limits	122-S04-021	122-S04-052	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	7.7	77%	65%-135%	2.9	3.0	5.4%
Chloroethane	0.5	ND	10	8.8	88%	65%-135%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.9	99%	65%-135%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.2	102%	65%-135%	1.9	1.8	2.7%
cis-1,2-Dichloroethene	0.5	1.5	10	11.7	102%	65%-135%	150.7	148.9	1.2%
1,1,1-Trichloroethane	0.5	ND	10	10.1	101%	65%-135%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.9	89%	65%-135%	ND	ND	0.0%
Trichloroethene	0.5	2.4	10	13.2	108%	65%-135%	116.3	105.3	9.9%
Tetrachloroethene	0.5	ND	10	12.2	122%	65%-135%	ND	ND	0.0%
Benzene	0.5	ND	10	10.7	107%	65%-135%	ND	ND	0.0%
Toluene	0.5	0.7	10	11.3	106%	65%-135%	2.5	2.1	18.1%
Ethyl Benzene	0.5	ND	10	11.5	115%	65%-135%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	34.3	114%	65%-135%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	81%			77%	50%-150%	88%	84%	
Toluene-d8	surr.	101%			100%	50%-150%	99%	100%	
4-Bromofluorobenzene	surr.	89%			87%	50%-150%	89%	90%	
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%	pass	pass	
1,4-Difluorobenzene	Internal Std.	pass			pass	30%-200%	pass	pass	
Chlorobenzene-d5	Internal Std.	pass			pass	30%-200%	pass	pass	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gavin Vogt
Laboratory director

2/2/98
Date

ONSITE
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LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/22/98
Report # : 2E002.xls

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	50	36.8	74%	65%-135%
Chloroethane	0.5	ND	50	40.5	81%	65%-135%
1,1-Dichloroethene	0.5	ND	50	49.8	100%	65%-135%
trans-1,2-Dichloroethene	0.5	ND	50	51.6	103%	65%-135%
cis-1,2-Dichloroethene	0.5	ND	50	52.3	105%	65%-135%
1,1,1-Trichloroethane	0.5	ND	50	51.9	104%	65%-135%
1,2-Dichloroethane	0.5	ND	50	50.8	102%	65%-135%
Trichloroethene	0.5	ND	50	54.0	108%	65%-135%
Tetrachloroethene	0.5	ND	50	65.5	131%	65%-135%
Benzene	0.5	ND	50	52.5	105%	65%-135%
Toluene	0.5	ND	50	52.6	105%	65%-135%
Ethyl Benzene	0.5	ND	50	55.4	111%	65%-135%
Xylenes (total)	0.5	ND	150	167.3	112%	65%-135%
1,2-Dichloroethane-d4	surr.	91%			88%	50%-150%
Toluene-d8	surr.	102%			100%	50%-150%
4-Bromofluorobenzene	surr.	91%			92%	50%-150%
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%
1,4-Difluorobenzene	Internal Std.	pass			pass	30%-200%
Chlorobenzene-d5	Internal Std.	pass			pass	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

2/2/98
Date

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ON-SITE TURN-AROUND TIME:

Project No. AP102

Site Name ALAMEDA POINT SITE 4

Sampler(s): (printed) ROBERT LANGDON (signature) Robert E Langdon

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Information Type/Volume	Qnty	Filt	Prsrv.	Analyses: SCOMPOUND								* LAB ID Remarks
SP4-3-1-5.5 *		1/22/98	0830	H_2O	5.5	VOA/40ml	2	N	N	X								122-SØ4-012
SP4-3-1-13.5		"	0915	"	13.5	"	2	"	"	X								122-SØ4-013
SP4-3-1-15.5		"	0930	"	15.5	"	2	"	"	X								122-SØ4-014
SP4-3-3-5.5-Dup		"	1115	"	5.5	"	1	"	"	X								122-SØ4-052
SP4-3-3-5.5		"	1115	"	5.5	"	1	"	"	X								122-SØ4-021
SP4-3-3-7.5		"	1150	"	7.5	"	2	"	"	X								122-SØ4-022
SØ4-3-3-11.5		"	1215	"	11.5	"	2	"	"	X								122-SØ4-023
~~SØ4-~~																		
12115-AP102		"	1340	"	—	"	1	"	"	X								122-SØ4-043
SØ4-3-3-20		"	1430	"	20	"	2	"	"	X								122-SØ4-024
SØ4-3-3-25		"	1455	"	25	"	2	"	"	X								122-SØ4-025
SØ4-3-3-30		"	1515	"	30	"	2	"	"	X								122-SØ4-026

Relinquished by: (signature)	Received by: (signature)	Date/Time:
Robert E Langdon	Michael Jurovsky	1/22/98 16:25
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

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ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/23/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/23/98**	**Client :**	**EFW**
Date analyzed :	**01/23/98**	**Project :**	**Alameda Point**
Report # :	**2E003.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		S04-2-4-15.5	S04-2-4-20	S04-2-4-25	S04-2-4-30	S04-2-4-30 Dup	RINSATE-03
Lab ID Number		122-S04-008	122-S04-009	122-S04-010	122-S04-011	122-S04-053	122-S04-044
Target Compounds	RL						
Vinyl chloride	0.5	ND	0.6	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	8.4	490 *	80	230 *	240	ND
trans-1,2-Dichloroethene	0.5	ND	2.2	ND	0.6	0.6	ND
cis-1,2-Dichloroethene	0.5	1.1	5.0	1.6	4.7	4.7	ND
1,1,1-Trichloroethane	0.5	0.9	57	1.3	3.0	2.9	ND
1,2-Dichloroethane	0.5	ND	5.4	2.8	6.7	7.0	ND
Trichloroethene	0.5	ND	0.8	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	1.1	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	1.8	ND	ND	ND
1,2-Dichloroethane-d4	surr.	83%	83% / 94%	87%	85% / 82%	86%	84%
Toluene-d8		101%	99% / 100%	99%	101% / 101%	100%	98%
4-Bromofluorobenzene		89%	89% / 92%	90%	88% / 90%	89%	91%
Pentafluorobenzene	Internal Std.	pass	pass / pass	pass	pass / pass	pass	pass
1,4-Difluorobenzene		pass	pass / pass	pass	pass / pass	pass	pass
Chlorobenzene-d5		pass	pass / pass	pass	pass / pass	pass	pass
Dilution factor (DF)		1	1 / 10*	1	1 / 5*	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Gerald Vogt
Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/23/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/23/98**	**Client :**	**EFW**
Date analyzed :	**01/23/98**	**Project :**	**Alameda Point**
Report # :	**2E003.xls**	**Units :**	**µg/L**
OEL Project Number:	**2E003**	**Matrix :**	**water**

Field ID Number		S04-3-4-5.5	S04-3-4-9.5	S04-3-4-11.5	S04-3-4-13.5	S04-3-4-30	FB-02
Lab ID Number		122-S04-054	122-S04-027	122-S04-056	122-S04-057	122-S04-030	122-S04-055
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	0.6	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	0.6	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	82%	81%	86%	83%	86%	83%
Toluene-d8	surr.	101%	99%	98%	100%	100%	98%
4-Bromofluorobenzene	surr.	90%	89%	91%	90%	92%	91%
Pentafluorobenzene	Internal Std.	pass	pass	pass	pass	pass	pass
1,4-Difluorobenzene	Internal Std.	pass	pass	pass	pass	pass	pass
Chlorobenzene-d5	Internal Std.	pass	pass	pass	pass	pass	pass
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/23/98
Report # : 2E003.xls

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	50	36.8	74%	50%-150%
Chloroethane	0.5	ND	50	40.5	81%	50%-150%
1,1-Dichloroethene	0.5	ND	50	49.8	100%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	50	51.6	103%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	50	52.3	105%	50%-150%
1,1,1-Trichloroethane	0.5	ND	50	51.9	104%	50%-150%
1,2-Dichloroethane	0.5	ND	50	50.8	102%	50%-150%
Trichloroethene	0.5	ND	50	54.0	108%	50%-150%
Tetrachloroethene	0.5	ND	50	65.5	131%	50%-150%
Benzene	0.5	ND	50	52.5	105%	50%-150%
Toluene	0.5	ND	50	52.6	105%	50%-150%
Ethyl Benzene	0.5	ND	50	55.4	111%	50%-150%
Xylenes (total)	0.5	ND	150	167.3	112%	50%-150%
1,2-Dichloroethane-d4		91%			88%	50%-150%
Toluene-d8	surr.	102%			100%	50%-150%
4-Bromofluorobenzene		91%			92%	50%-150%
Pentafluorobenzene		pass			pass	30%-200%
1,4-Difluorobenzene	Internal	pass			pass	30%-200%
Chlorobenzene-d5	Std.	pass			pass	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**01/23/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**01/23/98**	**Client :**	**EFW**
Date analyzed :	**01/23/98**	**Project :**	**Alameda Point**
Report # :	**2E003.xls**	**Units :**	**µg/L**
		Matrix :	**water**

Lab ID Number		Sample	122-S04-008 MS				Samp	Dup	RPD
		122-S04-008	Spike level	Conc.	% Recov.	QC Limits	122-S04-011	122-S04-053	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.1	81%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	8.3	83%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	**8.4**	10	16.9	85%	50%-150%	**230***	**240**	4.3%
trans-1,2-Dichloroethene	0.5	ND	10	9.5	95%	50%-150%	**0.6**	**0.6**	0.0%
cis-1,2-Dichloroethene	0.5	**1.1**	10	10.7	96%	50%-150%	**4.7**	**4.7**	0.0%
1,1,1-Trichloroethane	0.5	**0.9**	10	10.3	94%	50%-150%	**3.0**	**2.9**	3.4%
1,2-Dichloroethane	0.5	ND	10	8.7	87%	50%-150%	**6.7**	**7.0**	4.4%
Trichloroethene	0.5	ND	10	10.4	104%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	11.3	113%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.3	103%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	10.6	106%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	32.3	108%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	83%			79%	50%-150%	85% / 82%*	86%	
Toluene-d8	surr.	101%			100%	50%-150%	101% / 101%*	100%	
4-Bromofluorobenzene	surr.	89%			90%	50%-150%	88% / 90%*	89%	
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%	pass / pass*	pass	
1,4-Difluorobenzene	Internal Std.	pass			pass	30%-200%	pass / pass*	pass	
Chlorobenzene-d5	Internal Std.	pass			pass	30%-200%	pass / pass*	pass	
Dilution factor (DF)		1			1		1 / 5*	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

2/13/98
Date

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ON-SITE TURN-AROUND TIME:

Project No.: APT 102

Site Name: ALAMEDA POINT SITE 4

Sampler(s): (printed) NICK BRYSON / ROB LANGDON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses	* LAB ID Remarks
S04-2-4-15.5	*	1/23/98	0750	H_2O	15.5	VOA / 40ml	2	N	NONE		122-S04-008
S04-2-4-20.0	*	"	0815	"	20.0	"	2	"	"		122-S04-009
S04-2-4-25.0	*	"	0900	"	25.0	"	2	"	"		122-S04-010
S04-2-4-30.0	*	"	0950	"	30.0	"	2	"	"		122-S04-011
S04-2-4-30.0-DUP	*	"	0950	"	30.0	"	2	"	"		122-S04-053
RINSATE-03	*	"	1030	"	—	"	1	"	"		122-S04-044
S04-3-4-5.5	*	"	1100	"	5.5	"	2	"	"		122-S04-054
~~RINSATE-04~~											
TB-02	*	"	1140	"	—	"	1	"	"		122-S04-055
S04-3-4-9.5	*	"	1155	"	~~10.5~~ 9.5	"	2	"	"		122-S04-027
S04-3-4-11.5	*	"	1300	"	11.5	"	2	"	"		122-S04-056
S04-3-4-30	*	"	1400	"	30.0	"	2	"	"		122-S04-030
S04-3-4-13.5	*	"	1315	"	13.5	"	2	"	"		122-S04-057

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	Michael Jurosky	1/23/98 15:05
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:
EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	01/26/98	**Project Mgr :**	Robert Langdon
Date received :	01/26/98	**Client :**	EFW
Date analyzed :	01/26/98	**Project :**	Alameda Point
Report # :	2E004.xls	**Units :**	µg/L
		Matrix :	water

Field ID Number		SO4-3-4-40	SO4-4-3-5.5	SO4-4-3-9.5	SO4-4-3-11.5	SO4-4-3-30	SO4-2-4-40
Lab ID Number		122-SO4-058	122-SO4-059	122-SO4-035	122-SO4-036	122-SO4-039	122-SO4-060
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	17	26	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	3.8	4.6	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	17	3.0	ND	ND
cis-1,2-Dichloroethene	0.5	ND	3.4	4400*	340*	13	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	0.9	2.4	17	0.7	ND
Trichloroethene	0.5	1.6	ND	20,000*	11,000*	103	ND
Tetrachloroethene	0.5	ND	ND	ND	0.9	ND	ND
Benzene	0.5	1.9	6.7	ND	ND	ND	ND
Toluene	0.5	11	3.0	0.8	0.7	ND	0.5
Ethyl Benzene	0.5	1.5	1.1	ND	ND	ND	ND
Xylenes (total)	0.5	8.0	4.7	0.8	0.9	ND	ND
1,2-Dichloroethane-d4	surr.	90%	105%	80%	93%	80%	98%
Toluene-d8		99%	99%	101%	101%	101%	109%
4-Bromofluorobenzene		92%	94%	88%	93%	92%	105%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS
Dilution factor (DF)		1	1	1/200*	1/20*	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/2/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/26/98
Report # : 2E004.xls

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	50	30.0	60%	50%-150%
Chloroethane	0.5	ND	50	30.0	60%	50%-150%
1,1-Dichloroethene	0.5	ND	50	35.0	70%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	50	35.0	70%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	50	37.0	74%	50%-150%
1,1,1-Trichloroethane	0.5	ND	50	36.0	72%	50%-150%
1,2-Dichloroethane	0.5	ND	50	34.0	68%	50%-150%
Trichloroethene	0.5	ND	50	38.0	76%	50%-150%
Tetrachloroethene	0.5	ND	50	43.0	86%	50%-150%
Benzene	0.5	ND	50	36.0	72%	50%-150%
Toluene	0.5	ND	50	37.0	74%	50%-150%
Ethyl Benzene	0.5	ND	50	39.0	78%	50%-150%
Xylenes (total)	0.5	ND	150	117.0	78%	50%-150%
1,2-Dichloroethane-d4	surr.	86%			83%	50%-150%
Toluene-d8	surr.	99%			100%	50%-150%
4-Bromofluorobenzene	surr.	90%			91%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gavin Voyt
Laboratory director

2/2/98
Date

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

Page 1 of ____

PO # _____

CONTRACT LABORATORY:

TURN-AROUND TIME:

Project No. APT102

Site Name ALAMEDA POINT SITE 4

Sampler(s): (printed) M. BRYSON / R. LANGDON **(signature)**

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260B HCD	* LAB I.D. Remarks
S04-3-4-40 *		1/26/98	0732	H2O	40	VOA/40ml	2	N	NONE	X	122-S04-058
S04-4-3-5.5 *		"	1045	"	5.5	"	2	"	"	X	122-S04-059
S04-4-3-9.5 *		"	1125	"	9.5	"	2	"	"	X	122-S04-035
S04-4-3-11.5 *		"	1145	"	11.5	"	2	"	"	X	122-S04-036
S04-4-3-30.0 *		"	1220	"	30.0	"	2	"	"	X	122-S04-039
S04-2-4-40 *			1500	"	40.0	"	2	"	"	X	122-S04-060

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	Laurie Voigt	1/26/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/27/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/27/98**	**Client :**	**EFW**
Date analyzed :	**1/27/98**	**Project :**	**Alameda Point**
Report # :	**3E001.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E001**	**Matrix :**	**water**

Field ID Number		Rinsate-04	SO4-2-3-5.5	SO4-2-3-9.5	SO4-2-3-11.5	Rinsate-05	SO4-5-3-9.5
Lab ID Number		122-SO4-045	122-SO4-005	122-SO4-007	122-SO4-061	122-SO4-046	122-SO4-062
Target Compounds	RL	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	35	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	138%	125%	133%	129%	141%	115%
Toluene-d8	surr.	94%	101%	92%	100%	109%	99%
4-Bromofluorobenzene	surr.	96%	107%	99%	105%	119%	102%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Gordon Voyt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/27/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/27/98**	**Client :**	**EFW**
Date analyzed :	**1/27/98**	**Project :**	**Alameda Point**
Report # :	**3E001.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E001**	**Matrix :**	**water**

Field ID Number		SO4-5-3-11.5	SO4-5-3-15.5	SO4-5-3-15.5 D	
Lab ID Number		122-SO4-063	122-SO4-041	122-SO4-064	
Target Compounds	RL	ND	ND	ND	
Vinyl chloride	0.5	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	**1.8**	**1.7**	
Trichloroethene	0.5	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	
Benzene	0.5	ND	ND	ND	
Toluene	0.5	ND	**1.6**	**1.8**	
Ethyl Benzene	0.5	ND	ND	ND	
Xylenes (total)	0.5	ND	**1.0**	**1.1**	
1,2-Dichloroethane-d4	surr.	128%	128%	146%	
Toluene-d8		101%	100%	96%	
4-Bromofluorobenzene		100%	103%	100%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	
Chlorobenzene-d5		PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/27/98
Report # : 3E001.xls
OEL Project Number: 3E001

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2.0	1.3	65%	50%-150%
Chloroethane	0.5	ND	2.0	2.1	105%	50%-150%
1,1-Dichloroethene	0.5	ND	2.0	1.2	60%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2.0	1.2	60%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2.0	1.6	80%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2.0	1.4	70%	50%-150%
1,2-Dichloroethane	0.5	ND	2.0	1.7	85%	50%-150%
Trichloroethene	0.5	ND	2.0	1.3	65%	50%-150%
Tetrachloroethene	0.5	ND	2.0	2.5	125%	50%-150%
Benzene	0.5	ND	2.0	1.4	70%	50%-150%
Toluene	0.5	ND	2.0	1.8	90%	50%-150%
Ethyl Benzene	0.5	ND	2.0	1.5	75%	50%-150%
Xylenes (total)	0.5	ND	6.0	5.0	83%	50%-150%
1,2-Dichloroethane-d4	surr.	141%			100%	50%-150%
Toluene-d8	surr.	109%			99%	50%-150%
4-Bromofluorobenzene	surr.	119%			95%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gerald Voyt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/27/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/27/98**	**Client :**	**EFW**
Date analyzed :	**1/27/98**	**Project :**	**Alameda Point**
Report # :	**3E001.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E001**	**Matrix :**	**water**

Lab ID Number		Sample	122-SO4-063 Matrix Spike				Samp	Dup	RPD
		122-SO4-063	Spike level	Conc.	% Recov.	QC Limits	122-SO4-041	122-SO4-064	%
Target Compounds	RL	ND					ND	ND	
Vinyl chloride	0.5	ND	10	6.2	62%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	11.4	114%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.1	91%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	11.6	116%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	12.7	127%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	12.2	122%	50%-150%	**1.8**	**1.7**	5.7%
Trichloroethene	0.5	ND	10	9.1	91%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	14.1	141%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	11.0	110%	50%-150%	**1.6**	**1.8**	11.8%
Ethyl Benzene	0.5	ND	10	10.8	108%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	30.0	100%	50%-150%	**1.0**	**1.1**	9.5%
1,2-Dichloroethane-d4	surr.	128%			113%	50%-150%	128%	146%	
Toluene-d8		101%			99%	50%-150%	100%	96%	
4-Bromofluorobenzene		100%			104%	50%-150%	103%	100%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

2/6/98
Date

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

Page ___ of ___

PO# _____

CONTRACT LABORATORY:

TURN-AROUND TIME:

Project No.: APT102

Site Name: ALAMEDA POINT SITE 4

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260B	LAB ID. * Remarks
RINSATE-04 *		1/26/98	1600	H_2O	—	VOA / 40ml	2	N	NONE	X	122-S04-045
S04-2-3-5.5 *		1/28/98	1000	"	"	"	"	"	"	X	122-S04-005
S04-2-3-9.5 *		1/28/98	1045	"	"	"	"	"	"	X	122-S04-007
S04-2-3-11.5 *		1/28/98	1141	"	"	"	"	"	"	X	122-S04-061
RINSATE-05 *		1/28/98	1430	"	"	"	"	"	"	X	122-S04-046
S04-5-3-9.5 *		"	1530	"	"	"	"	"	"	X	122-S04-062
S04-5-3-11.5 *		"	1605	"	"	"	"	"	"	X	122-S04-063
S04-5-3-15.5 *		"	1630	"	"	"	"	"	"	X	122-S04-041
S04-5-3-15.5-Dup *		"	1630	"	"	"	"	"	"	X	122-S04-064

Relinquished by: (signature)	Received by: (signature)	Date/Time:
		1/27/98 8:10
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/28/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/28/98**	**Client :**	**EFW**
Date analyzed :	**1/28/98**	**Project :**	**Alameda Point**
Report # :	**3E002.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E002**	**Matrix :**	**water**

Field ID Number		SO4-5-3-20	SO4-5-3-25	SO4-5-3-30	SO4-5-3-40	SO4-2-3-30	SO4-1-2-5.5
Lab ID Number		122-SO4-065	122-SO4-066	122-SO4-067	122-SO4-068	122-SO4-069	122-SO4-070
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	**1.8**	ND	ND
Toluene	0.5	ND	ND	ND	**3.6**	**2.2**	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	**1.5**	**1.4**	ND
1,2-Dichloroethane-d4	surr.	115%	118%	124%	114%	104%	105%
Toluene-d8	surr.	111%	109%	109%	101%	95%	105%
4-Bromofluorobenzene	surr.	105%	105%	106%	99%	91%	99%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/6/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/28/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/28/98**	**Client :**	**EFW**
Date analyzed :	**1/28/98**	**Project :**	**Alameda Point**
Report # :	**3E002.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E002**	**Matrix :**	**water**

Field ID Number		SO4-1-3-25	Rinsate-05	SO4-1-3-13.5	SO4-1-3-20
Lab ID Number		122-SO4-073	122-SO4-046	122-SO4-071	122-SO4-072
Target Compounds	RL				
Vinyl chloride	0.5	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND
1,1-Dichloroethene	0.5	1.4	ND	32	35
trans-1,2-Dichloroethene	0.5	ND	ND	1.7	0.7
cis-1,2-Dichloroethene	0.5	ND	ND	1.3	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	1.6	2.6
Trichloroethene	0.5	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND
Toluene	0.5	3.1	2.6	1.2	2.7
Ethyl Benzene	0.5	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	1.2	1.3
1,2-Dichloroethane-d4	surr.	95%	112%	100%	103%
Toluene-d8		88%	104%	100%	96%
4-Bromofluorobenzene		85%	104%	100%	93%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Gerald Voyt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/28/98
Report # : 3E002.xls
OEL Project Number: 3E002

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	0.5	0.3	68%	50%-150%
Chloroethane	0.5	ND	0.5	0.5	102%	50%-150%
1,1-Dichloroethene	0.5	ND	0.5	0.5	96%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	0.5	0.5	104%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	0.5	0.5	104%	50%-150%
1,1,1-Trichloroethane	0.5	ND	0.5	0.6	114%	50%-150%
1,2-Dichloroethane	0.5	ND	0.5	0.6	112%	50%-150%
Trichloroethene	0.5	ND	0.5	0.5	106%	50%-150%
Tetrachloroethene	0.5	ND	0.5	0.8	156%	50%-150%
Benzene	0.5	ND	0.5	0.6	128%	50%-150%
Toluene	0.5	ND	0.5	0.8	164%	50%-150%
Ethyl Benzene	0.5	ND	0.5	0.6	116%	50%-150%
Xylenes (total)	0.5	ND	1.5	1.7	113%	50%-150%
1,2-Dichloroethane-d4	surr.	102%			100%	50%-150%
Toluene-d8		104%			99%	50%-150%
4-Bromofluorobenzene		101%			95%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gary Voyt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/28/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/28/98**	**Client :**	**EFW**
Date analyzed :	**1/28/98**	**Project :**	**Alameda Point**
Report # :	**3E002.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E002**	**Matrix :**	**water**

Lab ID Number		Sample	SO4-1-2-5.5 Matrix Spike				Samp	Dup	RPD
		SO4-1-2-5.5	Spike level	Conc.	% Recov.	QC Limits	SO4-1-3-25	SO4-1-3-25	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	6.10	61%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	7.90	79%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.10	91%	50%-150%	1.4	0.8	54.5%
trans-1,2-Dichloroethene	0.5	ND	10	10.00	100%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.60	96%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	9.40	94%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	11.00	110%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	9.50	95%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	12.00	120%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	11.00	110%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	13.00	130%	50%-150%	3.1	3.4	9.2%
Ethyl Benzene	0.5	ND	10	10.00	100%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	32.00	107%	50%-150%	0.5	1.6	104.8%
1,2-Dichloroethane-d4		105%			100%	50%-150%	95%	106%	
Toluene-d8	surr.	105%			100%	50%-150%	88%	101%	
4-Bromofluorobenzene		99%			97%	50%-150%	85%	96%	
Pentafluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gerald Voyt
Laboratory director

2/6/98
Date

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CHAIN OF CUSTODY

Page ___ of ___

PO # _____

CONTRACT LABORATORY:

TURN-AROUND TIME:

Project No. APT102

Site Name ALAMEDA Point (Main)

Sampler(s): (printed) MIKE BRYANT

(signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses	Remarks
S04-5-3	20 *	1/27/98	1720	Water	20	VOA/40ml	2	W	None	X	122-S04-065
S04-5-3	25 *	"	1720	"	25	"	"	"	"	X	122-S04-066
S04-5-3	30 *	"	1400	"	30	"	"	"	"	X	122-S04-067
S04-5-3	40 *	1/28/98	0730	"	40	"	"	"	"	X	122-S04-068
S04-2-3-30 *		"	1055	"	30	"	"	"	"	X	122-S04-069
S04-1-2-5.5 *		"	1220	"	5.5	"	"	"	"	X	122-S04-070
S04-1-3-13.5 *		"	1330	"	13.5	"	"	"	"	X	122-S04-071
S04-1-3-20 *		"	1400	"	20	"	1	"	"	X	122-S04-072
S04-1-3-25 *		"	1445	"	25	"	"	"	"	X	122-S04-073
~~S04-1-3~~											
RINSATE-05		"	1500	"	N/A	"	1	"	"	X	122-S04-074

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	[signature]	1/28/98 08:10
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/29/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/29/98**	**Client :**	**EFW**
Date analyzed :	**1/29/98**	**Project :**	**Alameda Point**
Report # :	**3E003.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E003**	**Matrix :**	**water**

032 (NB) 080 (NB)

Field ID Number		SO4-2-5-20	SO4-2-5-30	SO4-2-5-25	SO4-1-4-20	SO4-3-5-15.5	SO4-3-5-15.5 DU	SO4-1-4-25
Lab ID Number		122-SO4-077	122-SO4-079	122-SO4-078	122-SO4-074	122-SO4-035	122-SO4-070	122-SO4-075
Target Compounds	RL							
Vinyl chloride	0.5	3.0	ND	ND	4.4	ND	ND	7.3
Chloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	110	140*	120	29,000*	1.8	1.6	84,000*
trans-1,2-Dichloroethene	0.5	25	ND	6.8	300*	ND	ND	350*
cis-1,2-Dichloroethene	0.5	250*	7.7	21	330*	2.7	3.2	580*
1,1,1-Trichloroethane	0.5	3.0	2.6	1.4	170	ND	ND	660*
1,2-Dichloroethane	0.5	1.2	2.6	1.6	610*	ND	ND	1100*
Trichloroethene	0.5	56	ND	ND	ND	ND	ND	62
Tetrachloroethene	0.5	ND	ND	ND	2.1	ND	ND	5.4
Benzene	0.5	ND	ND	ND	ND	ND	ND	1.2
Toluene	0.5	2.3	2.0	1.8	ND	0.8	1.5	ND
Ethyl Benzene	0.5	ND	1.5	ND	ND	ND	ND	ND
Xylenes (total)	0.5	1.5	ND	1.4	ND	0.7	1.1	ND
1,2-Dichloroethane-d4	surr.	98%/107%*	98%/103%*	96%	93%/114%	88%	109%	107%/112%
Toluene-d8	surr.	94%/102%*	98%/102%*	90%	90%/99%	88%	102%	101%/100%
4-Bromofluorobenzene	surr.	89%/95%*	93%/94%*	89%	91%/94%	84%	95%	101%/96%
Pentafluorobenzene	Internal Std.	PASS/PASS*	PASS/PASS*	PASS	PASS/PASS*	PASS	PASS	PASS/PASS
1,4-Difluorobenzene	Internal Std.	PASS/PASS*	PASS/PASS*	PASS	PASS/PASS*	PASS	PASS	PASS/PASS
Chlorobenzene-d5	Internal Std.	PASS/PASS*	PASS/PASS*	PASS	PASS/PASS*	PASS	PASS	PASS/PASS
Dilution factor (DF)		1/5*	1/5*	1	1/500*	1	1	1/1000*

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	1/29/98	**Project Mgr :**	Robert Langdon
Date received :	1/29/98	**Client :**	EFW
Date analyzed :	1/29/98	**Project :**	Alameda Point
Report # :	3E003.xls	**Units :**	µg/L
OEL Project Number:	3E003	**Matrix :**	water

076 (NB)

Field ID Number		S04-1-4-30	S04-3-5-20	S04-3-5-25	S04-3-5-30	Rinsate-06
Lab ID Number		122-S04-035	122-S04-081	122-S04-082	122-S04-083	122-S04-084
Target Compounds	RL					
Vinyl chloride	0.5	ND	0.6	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	2500*	47	17	1.9	1.2
trans-1,2-Dichloroethene	0.5	22	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	26	8.1	ND	ND	ND
1,1,1-Trichloroethane	0.5	15	0.6	ND	ND	ND
1,2-Dichloroethane	0.5	64	ND	ND	ND	ND
Trichloroethene	0.5	2.0	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	1.1	ND	ND
Ethyl Benzene	0.5	ND	1.1	ND	ND	ND
Xylenes (total)	0.5	ND	ND	1.1	0.7	ND
1,2-Dichloroethane-d4	surr.	93%/112%	97%	101%	103%	101%
Toluene-d8		93%/99%	94%	100%	97%	96%
4-Bromofluorobenzene		94%/94%	93%	97%	95%	92%
Pentafluorobenzene	Internal Std.	PASS/PASS*	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS/PASS*	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS/PASS*	PASS	PASS	PASS	PASS
Dilution factor (DF)		1/25*	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Garth Wright
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 01/29/98
Report # : 3E003.xls
OEL Project Number: 3E003

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	0.5	0.5	94%	50%-150%
Chloroethane	0.5	ND	0.5	0.5	102%	50%-150%
1,1-Dichloroethene	0.5	ND	0.5	0.6	124%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	0.5	0.5	104%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	0.5	0.5	102%	50%-150%
1,1,1-Trichloroethane	0.5	ND	0.5	0.6	110%	50%-150%
1,2-Dichloroethane	0.5	ND	0.5	0.6	118%	50%-150%
Trichloroethene	0.5	ND	0.5	0.5	102%	50%-150%
Tetrachloroethene	0.5	ND	0.5	0.5	108%	50%-150%
Benzene	0.5	ND	0.5	0.6	118%	50%-150%
Toluene	0.5	ND	0.5	0.6	128%	50%-150%
Ethyl Benzene	0.5	ND	0.5	0.5	108%	50%-150%
Xylenes (total)	0.5	ND	1.5	1.7	113%	50%-150%
1,2-Dichloroethane-d4	surr.	109%			98%	50%-150%
Toluene-d8		103%			95%	50%-150%
4-Bromofluorobenzene		102%			91%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gary Voyt
Laboratory Director

2/6/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/29/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/29/98**	**Client :**	**EFW**
Date analyzed :	**1/29/98**	**Project :**	**Alameda Point**
Report # :	**3E003.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E003**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				Samp	Dup	RPD
		SO4-2-5-25	Spike level	Conc.	% Recov.	QC Limits	122-SO4-035	122-SO4-070	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	14.0	140%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	13.8	138%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	**120**	10	149	290%	50%-150%	**1.8**	**1.6**	**11.8%**
trans-1,2-Dichloroethene	0.5	**6.8**	10	19.8	130%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	**21**	10	32.0	110%	50%-150%	**2.7**	**3.2**	**16.9%**
1,1,1-Trichloroethane	0.5	**1.4**	10	13.5	121%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	**1.6**	10	13.5	119%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	17.1	171%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	11.1	111%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	13.4	134%	50%-150%	ND	ND	0.0%
Toluene	0.5	**1.8**	10	13.4	116%	50%-150%	**0.8**	**1.5**	60.9%
Ethyl Benzene	0.5	ND	10	12.0	120%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	**1.4**	30	37.0	119%	50%-150%	**0.7**	**1.1**	44.4%
1,2-Dichloroethane-d4	surr.	96%			94%	50%-150%	88%	109%	
Toluene-d8	surr.	90%			90%	50%-150%	88%	102%	
4-Bromofluorobenzene	surr.	89%			89%	50%-150%	84%	95%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gareth Voyt
Laboratory director

2/11/98
Date

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CHAIN OF CUSTODY

Page ___ of ___

PO # _____

CONTRACT LABORATORY:

TURN-AROUND TIME:

Project No. APT102

Site Name ALAMEDA – SITE 4

Sampler(s): (printed) NICK BRYSON **(signature)**

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A	* LAB ID Remarks
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible] VOA~~	~~2~~		~~[illegible]~~		~~*[illegible]~~
S04-2-5-20	*	1/29/98	0850	WATER	—	40 mL VOA	2	–	NONE	X	*122-S04-077
S04-2-5-30	*	1/29/98	1000	"	–	40 mL VOA	2	–	NONE	X	*122-S04-079
S04-2-5-25	*	1/29/98	0920	"	–	40 mL VOA	2	–	NONE	X	*122-S04-078
S04-1-4-20	*	1/29/98	0940	"	–	40 mL VOA	2	–	NONE	X	*122-S04-074
S04-3-5-15.5	*	↓	1115	"	–	40 mL VOA	1	–	NONE	X	*122-S04-075
S04-3-5-15.5 DUP	*	↓	1115	"		40 mL VOA	1	–	NONE	X	*122-S04-076
S04-1-4-25	*	1/29/98	1045	"	–	40 mL VOA	2	–	NONE	X	*122-S04-075
S04-1-4-30	*	1/29/98	1250	"	–	40 mL VOA	2	–	NONE	X	*122-S04-076
S04-3-5-20	*	1/29/98	1425	"	–	40 mL VOA	2	–	NONE	X	*122-S04-081
S04-3-5-25	*	1/29/98	1500	"	–	40 mL VOA	2	–	NONE	X	*122-S04-082
S04-3-5-30	*	"	1540	"	–	"	1	"	"	X	*122-S04-083
RINSATE-06	*	"	1550	"	–	"	1	"	"	X	*122-S04-084

Relinquished by: (signature)	Received by: (signature)	Date/Time:
[signature]	[signature]	1/29/98 10:11
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
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Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS. EPA 8260A

Date sampled :	**1/30/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/30/98**	**Client :**	**EFW**
Date analyzed :	**1/30/98**	**Project :**	**Alameda Point**
Report # :	**3E004.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E004**	**Matrix :**	**water**

Field ID Number		SO4-4-5-9.5	SO4-2-6-20	SO4-2-6-25	SO4-4-5-11.5	SO4-4-5-11.5 D	SO4-2-6-30
Lab ID Number		122-SO4-085	122-SO4-086	122-SO4-087	122-SO4-088	122-SO4-089	122-SO4-090
Target Compounds	RL						
Vinyl chloride	0.5	ND	**94**	**1.7**	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	**120**	**18**	ND	ND	**1.1**
trans-1,2-Dichloroethene	0.5	ND	**27**	**5.6**	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	**620E**	**16**	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	**520E**	**18**	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	**1.0**	**0.6**	**0.5**	**1.4**
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	**1.0**
Xylenes (total)	0.5	ND	ND	ND	ND	ND	**1.7**
1,2-Dichloroethane-d4	surr.	98%	100%	104%	109%	94%	105%
Toluene-d8		100%	96%	97%	107%	98%	97%
4-Bromofluorobenzene		95%	97%	93%	103%	98%	93%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Harold Voyt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/30/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/30/98**	**Client :**	**EFW**
Date analyzed :	**1/30/98**	**Project :**	**Alameda Point**
Report # :	**3E004.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E004**	**Matrix :**	**water**

093(NB)

Field ID Number		SO4-4-5-13.5	SO4-1-4-40	SO4-3-3-40	SO4-1-4-45	SO4-4-4-20	SO4-4-20 D
Lab ID Number		122-SO4-091	122-SO4-092	122-SO4-092	122-SO4-094	122-SO4-095	122-SO4-096
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	3800*	15	1900*	3.2	5.7
trans-1,2-Dichloroethene	0.5	ND	30	ND	18	ND	ND
cis-1,2-Dichloroethene	0.5	ND	42	ND	21	6.6	ND
1,1,1-Trichloroethane	0.5	ND	8.5	ND	5.7	ND	ND
1,2-Dichloroethane	0.5	ND	40	ND	24	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	560*	580*
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	0.6	1.2	0.8	1.1	0.6	0.7
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	109%	95%/87%*	108%	108%/98%*	114%/88%	101%/88%*
Toluene-d8	surr.	99%	94%/83%*	96%	99%/88%*	100%/74%	90%/75%*
4-Bromofluorobenzene	surr.	100%	90%/79%*	95%	97%/85%*	99%/73%	88%/73%*
Pentafluorobenzene	Internal Std.	PASS	PASS/PASS*	PASS	PASS/PASS*	PASS/PASS*	PASS/PASS*
1,4-Difluorobenzene	Internal Std.	PASS	PASS/PASS*	PASS	PASS/PASS*	PASS/PASS*	PASS/PASS*
Chlorobenzene-d5	Internal Std.	PASS	PASS/PASS*	PASS	PASS/PASS*	PASS/PASS*	PASS/PASS*
Dilution factor (DF)		1	1/50*	1	1/20*	1/10*	1/10*

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Garth Voyt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 1/30/98
Date received : 1/30/98
Date analyzed : 1/30/98
Report # : 3E004.xls
OEL Project Number: 3E004

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

099 (NB) 100 (NB)

Field ID Number		SO4-4-4-30	SO4-4-1-7.5	SO4-4-1-11.5	SO4-4-1-13.5		
Lab ID Number		122-SO4-097	122-SO4-098	122-SO4-098	122-SO4-098		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND		
Chloroethane	0.5	ND	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	6.2	ND	ND	ND		
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	2600*	ND	ND	ND		
Tetrachloroethene	0.5	ND	ND	ND	ND		
Benzene	0.5	ND	ND	ND	ND		
Toluene	0.5	ND	ND	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	0.5	ND	ND	ND	ND		
1,2-Dichloroethane-d4	surr.	120%	109%	113%	103%		
Toluene-d8		102%	96%	100%	93%		
4-Bromofluorobenzene		101%	91%	97%	89%		
Pentafluorobenzene	Internal Std.	PASS/PASS*	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS/PASS*	PASS	PASS	PASS		
Chlorobenzene-d5		PASS/PASS*	PASS	PASS	PASS		
Dilution factor (DF)		1/25*	1	1	1		

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Gerald Vogt
Laboratory director

2/6/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**1/30/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**1/30/98**	**Client :**	**EFW**
Date analyzed :	**1/30/98**	**Project :**	**Alameda Point**
Report # :	**3E004.xls**	**Units :**	**µg/L**
OEL Project Number:	**3E004**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				Samp	Dup	RPD
		SO4-4-5-11.5	Spike level	Conc.	% Recov.	QC Limits	SO4-4-4-20	SO4-4-4-20	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.4	84%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	8.2	82%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	11	106%	50%-150%	**3.2**	**5.7**	56.2%
trans-1,2-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.3	93%	50%-150%	**6.6**	0.5	171.8%
1,1,1-Trichloroethane	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	8.5	85%	50%-150%	**560**	**580**	3.5%
Tetrachloroethene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Toluene	0.5	**0.6**	10	9.1	85%	50%-150%	**0.6**	**0.7**	15.4%
Ethyl Benzene	0.5	ND	10	8.6	86%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	26.0	87%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	109%			95%	50%-150%	114%/88%	101%/88%*	
Toluene-d8		107%			90%	50%-150%	100%/74%	90%/75%*	
4-Bromofluorobenzene		103%			80%	50%-150%	99%/73%	88%/73%*	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS/PASS*	PASS/PASS*	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS/PASS*	PASS/PASS*	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS/PASS*	PASS/PASS*	
Dilution factor (DF)		1			1		1/10*	1/10*	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Gerald Voyt
Laboratory director

2/11/98
Date

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

PO #

CONTRACT LABORATORY: ON-SITE

TURN-AROUND TIME:

Project No.: APT102

Site Name: ALAMEDA POINT SITE 4

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Information Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A MOD									* LAB I.D. Remarks
S04-4-5-9.5	*	1/30/98	0805	H_2O	9.5	VOA/40mL	2	N	N	X									122-S04-085
S04-2-6-20	*	1/30/98	0820	H_2O	20	VOA/40mL	2	N	N	X									122-S04-086
S04-2-6-25	*	"	0900	"	25	"	2	N	N	X									122-S04-087
S04-4-5-11.5	*	"	0930	"	11.5	"	1	N	N	X									122-S04-088
S04-4-5-11.5-Dup	*	"	0930	"	11.5	"	1	N	N	X									122-S04-089
S04-2-6-30	*	"	0945	"	30	"	2	N	N	X									122-S04-090
S04-4-5-13.5	*	"	1010	"	13.5	"	2	N	N	X									122-S04-091
S04-1-4-40	*	"	1230	"	40	"	2	N	N	X									122-S04-092
S04-3-3-40	*	"	1234	"	40	"	2	N	N	X									122-S04-093
																			~~122-S04~~
S04-1-4-45	*	"	1334	"	45	"	2	N	N	X									122-S04-094
S04-4-4-20	*	"	1340	"	20	"	1	N	N	X									122-S04-095
S04-4-4-20-Dup		"	1340	"	20	"	1	N	N	X									122-S04-96
S04-4-4-30		"	1430	"	30	"	2	N	N	X									122-S04-97
S04-4-1-7.5		"	1530	"	7.5	"	2	N	N	X									122-S04-98
S04-4-1-11.5		"	1555	"	11.5	"	2	N	N	X									122-S04-99
S04-4-1-13.5		"	1615	"	13.5	"	2	N	N	X									122-S04-100

Relinquished by: (signature)	Received by: (signature)	Date/Time:
[signature]	[signature]	1/30/98 1644
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

Case Narrative - VOC

Date: March 25, 1998
From: Peter Balas
To: Robert Langdon
Re: Samples submitted for VOCs analysis by Method 8260
SDG(s): 3E005 through 3E018
Project No.: APT102 and APT103

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions stated below. Release of the data contained in this hardcopy package has been authorized by the Laboratory Manager or his designee, as verified by the signature below.

1. Sample receipt: All chain of custody and sample reciept and login procedures were observed.

2. Calibration checks: All initial calibrations and continuing calibrations met method requirements.

3. Method Blank: All method blanks met method requirements.

4. Matrix Spikes: Matrix spike sample 122-SO4-163, analyzed on 2/19/98 did not meet control limits for Trichloroethene % recovery due to comparatively high levels of this compound in the native sample. Laboratory control samples were analyzed in place of matrix spike samples for SDGs 3E009 and 3E018, analyzed on 2/9/98 and 2/20/98.

5. Surrogate Recoveries: All surrogate recoveries met contract control limits.

6. Lab Control Sample: All LCS samples met method recovery limits.

7. Samples: Samples 122-SO4-166 and 122-SO5-090, analyzed 2/20/98 did not meet criteria for internal standard response. The samples were inadvertantly discarded before reanalysis could be performed. The reported results are considered accurate and the only other effect would be on the reporting limits for these samples.

Laboratory Director

3/24/98
Date

Case Narrative - VOC

Date: March 25, 1998
From: Peter Balas
To: Robert Langdon
Re: Samples submitted for VOCs analysis by Method 8260
SDG(s): 3E005 through 3E018
Project No.: APT102 and APT103

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions stated below. Release of the data contained in this hardcopy package has been authorized by the Laboratory Manager or his designee, as verified by the signature below.

1. Sample receipt: All chain of custody and sample reciept and login procedures were observed.

2. Calibration checks: All initial calibrations and continuing calibrations met method requirements.

3. Method Blank: All method blanks met method requirements.

4. Matrix Spikes: Matrix spike sample 122-SO4-163, analyzed on 2/19/98 did not meet control limits for Trichloroethene % recovery due to comparatively high levels of this compound in the native sample. No matrix spike was analyzed on 2/9/98 with SDG 3E009, on 2/20/98 with SDG 3E018.

5. Surrogate Recoveries: All surrogate recoveries met contract control limits.

6. Lab Control Sample: No LCS was analyzed on 2/20/98 for SDG 3E018.

7. Samples: Samples 122-SO4-166 and 122-SO5-090, analyzed 2/20/98 did not meet criteria for internal standard response. The samples were inadvertantly discarded before reanalysis could be performed. The validity of the reporting limits for these samples would be suspect.

Laboratory Director

3/24/98
Date

ONSITE
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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/2/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/2/98**	**Client :**	**EFW**
Date analyzed :	**2/2/98**	**Project :**	**Alameda Point**
Report # :	**3E005.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-3-1-11.5	SO4-3-6-20	SO4-1-6-20	SO4-4-2-30	SO4-1-6-25	SO4-2-2-11.5
Lab ID Number		122-SO4-101	122-SO4-102	122-SO4-103	122-SO4-104	122-SO4-105	122-SO4-106
Target Compounds	RL						
Vinyl chloride	0.5	ND	**22**	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	**1.1B**	**22B**	**1.2B**	ND	**2.3B**	ND
trans-1,2-Dichloroethene	0.5	ND	**48**	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	**310***	ND	ND	**0.9**	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	**130***	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	**1.3**	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	100%	93%/100%*	107%	107%	77%	93%
Toluene-d8	surr.	100%	93%/89%*	100%	96%	76%	93%
4-Bromofluorobenzene	surr.	96%	88%/84%*	97%	93%	70%	88%
Pentafluorobenzene	Internal Std.	PASS	PASS/PASS*	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS/PASS*	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS/PASS*	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1/10*	1	1	1	1

Notes :
B-Analyte found in the method blank at 1 ppb
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/2/98
Date received : 2/2/98
Date analyzed : 2/2/98
Report # : 3E005.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		S04-1-6-30	SO4-3-1-11.5	SO4-2-5-40	SO4-2-5-40 D	SO4-3-6-25
Lab ID Number		122-SO4-107	122-SO4-108	122-SO4-109	122-SO4-110	122-SO4-111
Target Compounds	RL					
Vinyl chloride	0.5	ND	ND	ND	ND	**13**
Chloroethane	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	**9.7 B**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	**100***
cis-1,2-Dichloroethene	0.5	ND	ND	**3.1**	**1.9**	**400***
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	**180***
Tetrachloroethene	0.5	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4		85%	84%	87%	74%	90%/90%*
Toluene-d8	surr.	87%	90%	93%	76%	84%/84%*
4-Bromofluorobenzene		79%	81%	77%	70%	82%/82%*
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS/PASS*
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS/PASS*
Chlorobenzene-d5	Std.	PASS	PASS	PASS	PASS	PASS/PASS*
Dilution factor (DF)		1	1	1	1	1/10*

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/95
Date

ONSITE
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LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 02/02/98
Report # : 2E005.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	1	0.93	93%	50%-150%
Chloroethane	0.5	ND	1	0.8	81%	50%-150%
1,1-Dichloroethene	0.5	**1.1**	1	1.7	60%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	1	0.89	89%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	1	0.79	79%	50%-150%
1,1,1-Trichloroethane	0.5	ND	1	0.89	89%	50%-150%
1,2-Dichloroethane	0.5	ND	1	0.78	78%	50%-150%
Trichloroethene	0.5	ND	1	0.80	80%	50%-150%
Tetrachloroethene	0.5	ND	1	0.76	76%	50%-150%
Benzene	0.5	ND	1	0.94	94%	50%-150%
Toluene	0.5	ND	1	0.88	88%	50%-150%
Ethyl Benzene	0.5	ND	1	0.84	84%	50%-150%
Xylenes (total)	0.5	ND	3	2.5	83%	50%-150%
1,2-Dichloroethane-d4	surr.	93%			88%	50%-150%
Toluene-d8	surr.	96%			90%	50%-150%
4-Bromofluorobenzene	surr.	92%			87%	50%-150%
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%
1,4-Difluorobenzene	Internal Std.	pass			pass	30%-200%
Chlorobenzene-d5	Internal Std.	pass			pass	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**02/02/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**02/02/98**	**Client :**	**EFW**
Date analyzed :	**02/02/98**	**Project :**	**Alameda Point**
Report # :	**3E005.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	122-S04-106 MS				Samp	Dup	RPD
		122-SO4-106	Spike level	Conc.	% Recov.	QC Limits	122-S04-021	122-S04-052	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.9	89%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.3	93%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	10.2	102%	50%-150%	3.1	1.9	48.0%
1,1,1-Trichloroethane	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	9.4	94%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	9.3	93%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	9.5	95%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	27.0	90%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4		93%			98%	50%-150%	87%	74%	
Toluene-d8	surr.	93%			93%	50%-150%	93%	76%	
4-Bromofluorobenzene		88%			88%	50%-150%	77%	70%	
Pentafluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/4/98
Date received : 2/4/98
Date analyzed : 2/4/98
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO4-4-4-40	SO4-4-6-20	SO4-4-6-20 DU	SO4-4-6-25	SO4-4-6-30	
Lab ID Number		122-SO4-112	122-SO4-113	122-SO4-114	122-SO4-115	122-SO4-116	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	**46**	**48**	**3.6**	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	**0.7**	**0.4J**	ND	ND	
1,1,1-Trichloroethane	0.5	ND	**0.7**	**0.4J**	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	**8.5**	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane-d4	surr.	90%	85%	82%	85%	106%	
Toluene-d8	surr.	88%	86%	79%	93%	100%	
4-Bromofluorobenzene	surr.	86%	84%	76%	88%	98%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
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LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/4/98
Report # : 3E006.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	14.7	147%	50%-150%
Chloroethane	0.5	ND	10	11.2	112%	50%-150%
1,1-Dichloroethene	0.5	ND	10	11.0	110%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	11.5	115%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	11.5	115%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	10.2	102%	50%-150%
1,2-Dichloroethane	0.5	ND	10	10.3	103%	50%-150%
Trichloroethene	0.5	ND	10	9.0	90%	50%-150%
Tetrachloroethene	0.5	ND	10	10.1	101%	50%-150%
Benzene	0.5	ND	10	10.1	101%	50%-150%
Toluene	0.5	ND	10	9.6	96%	50%-150%
Ethyl Benzene	0.5	ND	10	10.0	100%	50%-150%
Xylenes (total)	0.5	ND	30	28.8	96%	50%-150%
1,2-Dichloroethane-d4	surr.	102%			85%	50%-150%
Toluene-d8	surr.	97%			90%	50%-150%
4-Bromofluorobenzene	surr.	92%			89%	50%-150%
Pentafluorobenzene	Internal Std.	pass			pass	30%-200%
1,4-Difluorobenzene	Internal Std.	pass			pass	30%-200%
Chlorobenzene-d5	Internal Std.	pass			pass	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/4/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/4/98**	**Client :**	**EFW**
Date analyzed :	**2/4/98**	**Project :**	**Alameda Point**
Report # :	**3E006.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	MS				Samp	Dup	RPD
		122-SO4-115	Spike level	Conc.	% Recov.	QC Limits	122-SO4-113	122-SO4-114	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	11.3	113%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.3	93%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	3.6	10	12.3	87%	50%-150%	**46**	**48**	4.3%
trans-1,2-Dichloroethene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.7	97%	50%-150%	**0.7**	**0.4**	54.5%
1,1,1-Trichloroethane	0.5	ND	10	9.6	96%	50%-150%	**0.7**	**0.4**	54.5%
1,2-Dichloroethane	0.5	ND	10	9.7	97%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	**8.5**	10	9.4	9%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	27.5	92%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4		90%			92%	50%-150%	85%	82%	
Toluene-d8	surr.	88%			89%	50%-150%	86%	79%	
4-Bromofluorobenzene		86%			89%	50%-150%	84%	76%	
Pentafluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/5/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/5/98**	**Client :**	**EFW**
Date analyzed :	**2/5/98**	**Project :**	**Alameda Point**
Report # :	**3E007.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102/APT103**	**Matrix :**	**water**

Field ID Number		SO4-5-4-25	SO4-5-4-30	RINSATE-07	SO4-5-4-20	SO4-4-5-20	TRIP BLANK-01
Lab ID Number		122-SO4-117	122-SO4-118	122-SO4-120	122-204-119	122-SO4-121	122-SO5-046
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	88%	99%	86%	62%	92%	76%
Toluene-d8		78%	92%	92%	63%	91%	77%
4-Bromofluorobenzene		78%	90%	88%	58%	86%	73%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/5/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/5/98**	**Client :**	**EFW**
Date analyzed :	**2/5/98**	**Project :**	**Alameda Point**
Report # :	**3E007.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102/APT103**	**Matrix :**	**water**

Field ID Number		SO5-6-3-5.5	SO4-6-2-5.5	SO5-6-2-11.5	SO5-6-3-11.5**	SO5-6-2-15.5**
Lab ID Number		122-SO4-50	122-SO5-52	122-SO5-53	122-SO5-56	122-SO5-54
Target Compounds	RL					
Vinyl chloride	0.5	ND	ND	18	ND	4.0
Chloroethane	0.5	ND	ND	29	10	8.9
1,1-Dichloroethene	0.5	ND	ND	4.0	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	3.3	15	ND	1.4
1,1,1-Trichloroethane	0.5	ND	ND	0.7	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	0.8	0.8
Trichloroethene	0.5	ND	4.3	7.0	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	1.4	30
Toluene	0.5	ND	ND	ND	ND	1.6
Ethyl Benzene	0.5	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	1.0	ND	ND
1,2-Dichloroethane-d4	surr.	93%	92%	93%	78%	88%
Toluene-d8		88%	93%	94%	85%	82%
4-Bromofluorobenzene		82%	86%	89%	78%	75%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1

Notes :

****-Sample contains high levels of 1,1-DCA - not on target analyte list.**
ND - Analytes not detected at, or above the stated detection limit
RL - *Reporting limit*
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/5/98
Report # : 3E007.xls
OEL Project Number: APT102/APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	4	3.2	80%	50%-150%
Chloroethane	0.5	ND	4	2.3	58%	50%-150%
1,1-Dichloroethene	0.5	ND	4	3.0	75%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	4	3.1	78%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	4	3.3	83%	50%-150%
1,1,1-Trichloroethane	0.5	ND	4	2.9	73%	50%-150%
1,2-Dichloroethane	0.5	ND	4	3.2	80%	50%-150%
Trichloroethene	0.5	ND	4	2.7	68%	50%-150%
Tetrachloroethene	0.5	ND	4	3.1	78%	50%-150%
Benzene	0.5	ND	4	3.2	80%	50%-150%
Toluene	0.5	ND	4	4.5	113%	50%-150%
Ethyl Benzene	0.5	ND	4	3.2	80%	50%-150%
Xylenes (total)	0.5	ND	12	11.0	92%	50%-150%
1,2-Dichloroethane-d4	surr.	89%			76%	50%-150%
Toluene-d8	surr.	93%			87%	50%-150%
4-Bromofluorobenzene	surr.	88%			85%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/5/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/5/98**	**Client :**	**EFW**
Date analyzed :	**2/5/98**	**Project :**	**Alameda Point**
Report # :	**3E007.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102/APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Rinsate -07 Matrix Spike				Samp	Dup	RPD
		Rinsate-07	Spike level	Conc.	% Recov.	QC Limits	SO5-6-2-5.5	SO5-6-2-5.5	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.8	108%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	10.0	100%	50%-150%	3.3	3.2	3.1%
1,1,1-Trichloroethane	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.9	89%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	9.5	95%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	9.7	97%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	29.2	97%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	86%			81%	50%-150%	92%	81%	
Toluene-d8		92%			86%	50%-150%	93%	77%	
4-Bromofluorobenzene		88%			85%	50%-150%	87%	72%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/6/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/6/98**	**Client :**	**EFW**
Date analyzed :	**2/6/98**	**Project :**	**Alameda Point**
Report # :	**3E008.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-4-2-9.5	SO5-4-2-13.5	SO5-4-3-15.5	SO5-4-4-7.5	O5-4-4-7.5 DU	RISNSATE-01
Lab ID Number		122-SO5-033	122-SO5-034	122-SO5-039	12-SO5-055	122-SO5-056	122-SO5-042
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	**1.0**	**1.3**	ND
Chloroethane	0.5	ND	ND	ND	**0.9**	**0.6**	ND
1,1-Dichloroethene	0.5	ND	ND	ND	**5.8**	**5.7**	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	**4.0**	ND	ND	**0.9**	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	**0.5**	**3.3**	**3.4**	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	**9.5**	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	**2.1**	ND	ND	**0.7**	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	79%	73%	77%	79%	91%	85%
Toluene-d8	surr.	89%	88%	82%	84%	91%	83%
4-Bromofluorobenzene	surr.	81%	84%	77%	78%	84%	77%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/6/98
Report # : 3E008.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	2.1	105%	50%-150%
Chloroethane	0.5	ND	2	1.3	65%	50%-150%
1,1-Dichloroethene	0.5	ND	2	1.8	90%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	1.9	95%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.7	85%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	1.7	85%	50%-150%
1,2-Dichloroethane	0.5	ND	2	1.9	95%	50%-150%
Trichloroethene	0.5	ND	2	1.8	90%	50%-150%
Tetrachloroethene	0.5	ND	2	1.5	75%	50%-150%
Benzene	0.5	ND	2	2.0	100%	50%-150%
Toluene	0.5	ND	2	2.0	100%	50%-150%
Ethyl Benzene	0.5	ND	2	1.8	90%	50%-150%
Xylenes (total)	0.5	ND	6	5.4	90%	50%-150%
1,2-Dichloroethane-d4	surr.	85%			90%	50%-150%
Toluene-d8	surr.	83%			86%	50%-150%
4-Bromofluorobenzene	surr.	77%			82%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	2/6/98	**Project Mgr :**	Robert Langdon
Date received :	2/6/98	**Client :**	EFW
Date analyzed :	2/6/98	**Project :**	Alameda Point
Report # :	3E008.xls	**Units :**	µg/L
OEL Project Number:	APT103	**Matrix :**	water

Lab ID Number		Sample	Matrix Spike				Samp	Dup	RPD
		SO5-4-3-15.5	Spike level	Conc.	% Recov.	QC Limits	12-SO5-055	122-SO5-056	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	9.1	91%	50%-150%	1.0	1.3	26.1%
Chloroethane	0.5	ND	10	9.6	96%	50%-150%	0.9	0.6	40.0%
1,1-Dichloroethene	0.5	ND	10	9.3	93%	50%-150%	5.8	5.7	1.7%
trans-1,2-Dichloroethene	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.9	99%	50%-150%	0.9	0.5	57.1%
1,1,1-Trichloroethane	0.5	0.5	10	10.2	97%	50%-150%	3.3	3.4	3.0%
1,2-Dichloroethane	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	9.3	93%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	9.5	95%	50%-150%	0.7	0.5	33.3%
Benzene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	29.7	99%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	77%			83%	50%-150%	79%	91%	
Toluene-d8		82%			86%	50%-150%	84%	91%	
4-Bromofluorobenzene		77%			84%	50%-150%	78%	84%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/9/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/9/98**	**Client :**	**EFW**
Date analyzed :	**2/9/98**	**Project :**	**Alameda Point**
Report # :	**3E009.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-2-3-5.5	SO5-2-3-7.5	SO5-2-3-11.5	SO5-2-3-15.5	SO5-3-1-5.5	SO5-3-1-11.5
Lab ID Number		122-SO5-057	122-SO5-017	122-SO5-018	122-SO5-020	122-SO5-058	122-SO5-059
Target Compounds	RL						
Vinyl chloride	0.5	**76**	**5.2**	**93**	ND	ND	ND
Chloroethane	0.5	**0.8**	**91**	**5.2**	ND	ND	ND
1,1-Dichloroethene	0.5	**3.8**	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	**18**	**15**	**6.8**	ND	ND	ND
cis-1,2-Dichloroethene	0.5	**72**	**4.3**	**42**	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	**3.6**	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	**1.5**	ND	ND	ND	ND	ND
Benzene	0.5	**0.8**	ND	ND	ND	ND	ND
Toluene	0.5	**1.3**	**8.3**	**2.2**	ND	ND	ND
Ethyl Benzene	0.5	**35**	**54**	**2.6**	ND	ND	ND
Xylenes (total)	0.5	**1.1**	**22.3**	**2.5**	ND	ND	ND
1,2-Dichloroethane-d4	surr.	79%	70%	82%	84%	90%	97%
Toluene-d8		81%	81%	83%	81%	86%	94%
4-Bromofluorobenzene		77%	76%	83%	75%	81%	90%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/9/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/9/98**	**Client :**	**EFW**
Date analyzed :	**2/9/98**	**Project :**	**Alameda Point**
Report # :	**3E009.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-3-1-13.5	SO5-3-4-13.5	RINSATE-02			
Lab ID Number		122-SO5-060	122-SO5-061	122-SO5-043			
Target Compounds	RL						
Vinyl chloride	0.5	ND	**2.4**	ND			
Chloroethane	0.5	ND	**77**	ND			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	ND	**18**	ND			
cis-1,2-Dichloroethene	0.5	ND	ND	ND			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	ND	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	ND	**8.4**	ND			
Toluene	0.5	ND	**2.8**	ND			
Ethyl Benzene	0.5	ND	**1.8**	ND			
Xylenes (total)	0.5	ND	**8.6**	ND			
1,2-Dichloroethane-d4	surr.	91%	90%	88%			
Toluene-d8		84%	79%	84%			
4-Bromofluorobenzene		77%	72%	79%			
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS			
1,4-Difluorobenzene		PASS	PASS	PASS			
Chlorobenzene-d5		PASS	PASS	PASS			
Dilution factor (DF)		1	1	1			

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/9/98
Report # : 3E009.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.6	80%	50%-150%
Chloroethane	0.5	ND	2	1.5	75%	50%-150%
1,1-Dichloroethene	0.5	ND	2	1.8	90%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	1.8	90%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.6	80%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	1.6	80%	50%-150%
1,2-Dichloroethane	0.5	ND	2	1.6	80%	50%-150%
Trichloroethene	0.5	ND	2	1.6	80%	50%-150%
Tetrachloroethene	0.5	ND	2	1.6	80%	50%-150%
Benzene	0.5	ND	2	1.9	95%	50%-150%
Toluene	0.5	ND	2	1.9	95%	50%-150%
Ethyl Benzene	0.5	ND	2	1.7	85%	50%-150%
Xylenes (total)	0.5	ND	6	4.9	82%	50%-150%
1,2-Dichloroethane-d4	surr.	74%			72%	50%-150%
Toluene-d8		72%			75%	50%-150%
4-Bromofluorobenzene		70%			73%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/9/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/9/98**	**Client :**	**EFW**
Date analyzed :	**2/9/98**	**Project :**	**Alameda Point**
Report # :	**3E009.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike level	Conc.	% Recov.	QC Limits	122-SO5-061	122-SO5-061	%
Target Compounds	RL								
Vinyl chloride	0.5		10		0%	50%-150%	2.4	2.4	0.0%
Chloroethane	0.5		10		0%	50%-150%	77	81	5.1%
1,1-Dichloroethene	0.5		10		0%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5		10		0%	50%-150%	18	20	10.5%
cis-1,2-Dichloroethene	0.5		10		0%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5		10		0%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5		10		0%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5		10		0%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5		10		0%	50%-150%	ND	ND	0.0%
Benzene	0.5		10		0%	50%-150%	8.4	9.0	6.9%
Toluene	0.5		10		0%	50%-150%	2.8	3.0	6.9%
Ethyl Benzene	0.5		10		0%	50%-150%	1.8	1.9	5.4%
Xylenes (total)	0.5		30		0%	50%-150%	8.6	9.2	6.7%
1,2-Dichloroethane-d4	surr.				83%	50%-150%	90%	87%	
Toluene-d8					86%	50%-150%	79%	80%	
4-Bromofluorobenzene					84%	50%-150%	72%	75%	
Pentafluorobenzene	Internal Std.				PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene					PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5					PASS	30%-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
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DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/10/98
Date received : 2/10/98
Date analyzed : 2/10/98
Report # : 3E010.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-2-2-5.5	SO5-2-2-7.5	SO5-2-2-9.5	SO5-2-2-11.5	SO5-2-2-13.5	SO5-2-2-13.5 DUP
Lab ID Number		122-SO5-062	122-SO5-063	122-S05-064	122-SO5-065	122-SO5-066	122-SO5-067
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	0.8	ND	ND	ND
Chloroethane	0.5	ND	ND	0.8	ND	ND	ND
1,1-Dichloroethene	0.5	13	6.7	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	3.3	3.2	4.0	ND	ND	ND
1,1,1-Trichloroethane	0.5	105	4.8	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	23	15	7.0	ND	ND	ND
Tetrachloroethene	0.5	2.1	2.0	0.6	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	2.5	1.9
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	86%	84%	82%	87%	118%	83%
Toluene-d8		87%	81%	80%	80%	106%	73%
4-Bromofluorobenzene		71%	73%	74%	69%	93%	63%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/10/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/10/98**	**Client :**	**EFW**
Date analyzed :	**2/10/98**	**Project :**	**Alameda Point**
Report # :	**3E010.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-4-1-7.5	SO5-4-1-15.5	SO5-2-1-5.5	SO5-2-1-13.5	S05-2-1-15.5	SO5-3-5-9.5
Lab ID Number		122-SO5-068	122-SO5-069	122-SO5-070	122-SO5-015	122-SO5-016	122-SO5-071
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	**1.4**	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	**1.4**	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	**1.2**	ND	**1.7**	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	**4.4**
Trichloroethene	0.5	**10**	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	**0.7**	ND	**1.1**	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	76%	78%	59%	74%	90%	132%
Toluene-d8	surr.	74%	73%	59%	74%	81%	95%
4-Bromofluorobenzene	surr.	66%	68%	53%	68%	71%	50%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/10/98
Date received : 2/10/98
Date analyzed : 2/10/98
Report # : 3E010.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-1-2-5.5	RINSATE-03
Lab ID Number		122-SO5-072	122-SO5-044
Target Compounds	RL		
Vinyl chloride	0.5	ND	ND
Chloroethane	0.5	ND	ND
1,1-Dichloroethene	0.5	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND
1,2-Dichloroethane	0.5	ND	ND
Trichloroethene	0.5	ND	ND
Tetrachloroethene	0.5	ND	ND
Benzene	0.5	ND	ND
Toluene	0.5	ND	ND
Ethyl Benzene	0.5	ND	ND
Xylenes (total)	0.5	ND	ND
1,2-Dichloroethane-d4	surr.	80%	81%
Toluene-d8		80%	73%
4-Bromofluorobenzene		70%	59%
Pentafluorobenzene	Internal Std.	PASS	PASS
1,4-Difluorobenzene		PASS	PASS
Chlorobenzene-d5		PASS	PASS
Dilution factor (DF)		1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - *Dilution Factor*
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/10/98
Report # : 3E010.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	2.1	105%	50%-150%
Chloroethane	0.5	ND	2	1.9	95%	50%-150%
1,1-Dichloroethene	0.5	ND	2	2.3	115%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	2.3	115%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	2.2	110%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	2.2	110%	50%-150%
1,2-Dichloroethane	0.5	ND	2	2.0	100%	50%-150%
Trichloroethene	0.5	ND	2	2.0	100%	50%-150%
Tetrachloroethene	0.5	ND	2	2.0	100%	50%-150%
Benzene	0.5	ND	2	2.3	115%	50%-150%
Toluene	0.5	ND	2	2.3	115%	50%-150%
Ethyl Benzene	0.5	ND	2	2.1	105%	50%-150%
Xylenes (total)	0.5	ND	6	6.2	103%	50%-150%
1,2-Dichloroethane-d4	surr.	80%			98%	50%-150%
Toluene-d8	surr.	73%			95%	50%-150%
4-Bromofluorobenzene	surr.	69%			87%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/10/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/10/98**	**Client :**	**EFW**
Date analyzed :	**2/10/98**	**Project :**	**Alameda Point**
Report # :	**3E010.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-S05-064	Spike level	Conc.	% Recov.	QC Limits	122-SO5-066		%
Target Compounds	RL								
Vinyl chloride	0.5	0.8	10	8.6	78%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	0.8	10	6.9	61%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	6.9	69%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	7.0	70%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	4.0	10	11.4	74%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	6.9	69%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	6.4	64%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	7.0	10	13.5	65%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	0.6	10	6.9	63%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	7.1	71%	50%-150%	2.5	1.9	27.3%
Toluene	0.5	ND	10	6.6	66%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	6.5	65%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	19.3	64%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	82%			85%	50%-150%	118%	83%	
Toluene-d8	surr.	80%			82%	50%-150%	106%	73%	
4-Bromofluorobenzene	surr.	74%			80%	50%-150%	93%	63%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/11/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/11/98**	**Client :**	**EFW**
Date analyzed :	**2/11/98**	**Project :**	**Alameda Point**
Report # :	**3E011.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-1-4-55	O4-1-4-55-DU	SO4-3-7-20	SO4-3-7-25	RINSATE-08	SO4-2-7-20
Lab ID Number		122-SO4-122	122-SO4-123	122-SO4-124	122-SO4-125	122-SO4-126	122-SO4-127
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	17	51	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	1.5	7.1	2.4	4.1	ND	1.4
trans-1,2-Dichloroethene	0.5	ND	ND	69	600*	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	89	300*	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	1.3
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	150*	450*	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	2.3	2.4	ND	ND
Toluene	0.5	1.5	2.4	1.9	1.8	ND	1.4
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	102%	101%	99%/102%*	97%/99%*	101%	104%
Toluene-d8		105%	104%	104%/105%*	103%/104%*	105%	106%
4-Bromofluorobenzene		97%	98%	97%/100%*	95%/95%*	97%	96%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS
Dilution factor (DF)		1	1	1/2*	1/10*	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/11/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/11/98**	**Client :**	**EFW**
Date analyzed :	**2/11/98**	**Project :**	**Alameda Point**
Report # :	**3E011.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-3-6-30	SO4-4-3-20
Lab ID Number		122-SO4-128	122-SO4-129
Target Compounds	RL		
Vinyl chloride	0.5	5.7	140*
Chloroethane	0.5	ND	ND
1,1-Dichloroethene	0.5	20	4.3
trans-1,2-Dichloroethene	0.5	55	8
cis-1,2-Dichloroethene	0.5	210*	380*
1,1,1-Trichloroethane	0.5	2.1	ND
1,2-Dichloroethane	0.5	ND	14
Trichloroethene	0.5	59	2600*
Tetrachloroethene	0.5	ND	ND
Benzene	0.5	59	ND
Toluene	0.5	1.7	1.6
Ethyl Benzene	0.5	ND	ND
Xylenes (total)	0.5	ND	ND
1,2-Dichloroethane-d4	surr.	106%/102%*	102%/96%*
Toluene-d8		103%/104%*	103%/103%*
4-Bromofluorobenzene		97%/97%*	98%/97%*
Pentafluorobenzene	Internal Std.	PASS/PASS*	PASS/PASS*
1,4-Difluorobenzene		PASS/PASS*	PASS/PASS*
Chlorobenzene-d5		PASS	PASS/PASS*
Dilution factor (DF)		1/2.0 *	1/2.5*

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/11/98
Report # : 3E011.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.6	80%	50%-150%
Chloroethane	0.5	ND	2	1.8	90%	50%-150%
1,1-Dichloroethene	0.5	ND	2	1.9	95%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.9	95%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	2.0	100%	50%-150%
1,2-Dichloroethane	0.5	ND	2	1.8	90%	50%-150%
Trichloroethene	0.5	ND	2	1.8	90%	50%-150%
Tetrachloroethene	0.5	ND	2	2.0	100%	50%-150%
Benzene	0.5	ND	2	2.1	105%	50%-150%
Toluene	0.5	ND	2	1.9	95%	50%-150%
Ethyl Benzene	0.5	ND	2	1.9	95%	50%-150%
Xylenes (total)	0.5	ND	6	5.3	88%	50%-150%
1,2-Dichloroethane-d4	surr.	103%			96%	50%-150%
Toluene-d8	surr.	103%			105%	50%-150%
4-Bromofluorobenzene	surr.	95%			97%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/11/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/11/98**	**Client :**	**EFW**
Date analyzed :	**2/11/98**	**Project :**	**Alameda Point**
Report # :	**3E011.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-S04-122	Spike level	Conc.	% Recov.	QC Limits	122-S04-122	122-SO4-123	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	10.4	104%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	1.5	10	10.3	88%	50%-150%	1.5	7.1	130.2%
trans-1,2-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.9	99%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	9.1	91%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
Toluene	0.5	1.5	10	11.0	95%	50%-150%	1.5	2.4	46.2%
Ethyl Benzene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	29.4	98%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	102%			101%	50%-150%	102%	101%	
Toluene-d8		105%			106%	50%-150%	105%	104%	
4-Bromofluorobenzene		97%			101%	50%-150%	97%	98%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/12/98**	**Client :**	**EFW**
Date analyzed :	**2/12/98**	**Project :**	**Alameda Point**
Report # :	**3E012.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-0-4-20	SO4-0-4-15.5	SO4-0-4-25	O4-0-4-25DU	SO4-0-4-30	FB-03
Lab ID Number		122-SO4-131	122-SO4-130	122-SO4-132	122-SO4-133	122-SO4-134	122-S04-135
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	1.2	1.3	1.1	1.6	0.7	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	94%	98%	95%	102%	101%	93%
Toluene-d8		106%	102%	104%	105%	105%	101%
4-Bromofluorobenzene		96%	92%	96%	95%	96%	95%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/12/98**	**Client :**	**EFW**
Date analyzed :	**2/12/98**	**Project :**	**Alameda Point**
Report # :	**3E012.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-0-4-45					
Lab ID Number		122-SO4-136					
Target Compounds	RL						
Vinyl chloride	0.5	ND					
Chloroethane	0.5	ND					
1,1-Dichloroethene	0.5	ND					
trans-1,2-Dichloroethene	0.5	ND					
cis-1,2-Dichloroethene	0.5	ND					
1,1,1-Trichloroethane	0.5	ND					
1,2-Dichloroethane	0.5	ND					
Trichloroethene	0.5	ND					
Tetrachloroethene	0.5	ND					
Benzene	0.5	ND					
Toluene	0.5	1.9					
Ethyl Benzene	0.5	ND					
Xylenes (total)	0.5	ND					
1,2-Dichloroethane-d4	surr.	103%					
Toluene-d8		106%					
4-Bromofluorobenzene		97%					
Pentafluorobenzene	Internal Std.	PASS					
1,4-Difluorobenzene		PASS					
Chlorobenzene-d5		PASS					
Dilution factor (DF)		1					

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/12/98
Report # : 3E012.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.7	85%	50%-150%
Chloroethane	0.5	ND	2	1.5	75%	50%-150%
1,1-Dichloroethene	0.5	ND	2	1.8	90%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	1.9	95%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.8	90%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	1.9	95%	50%-150%
1,2-Dichloroethane	0.5	ND	2	1.7	85%	50%-150%
Trichloroethene	0.5	ND	2	1.7	85%	50%-150%
Tetrachloroethene	0.5	ND	2	1.8	90%	50%-150%
Benzene	0.5	ND	2	1.9	95%	50%-150%
Toluene	0.5	ND	2	2.0	100%	50%-150%
Ethyl Benzene	0.5	ND	2	1.8	90%	50%-150%
Xylenes (total)	0.5	ND	6	5.0	83%	50%-150%
1,2-Dichloroethane-d4	surr.	100%			103%	50%-150%
Toluene-d8		103%			105%	50%-150%
4-Bromofluorobenzene		96%			97%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/12/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/12/98**	**Client :**	**EFW**
Date analyzed :	**2/12/98**	**Project :**	**Alameda Point**
Report # :	**3E012.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-S04-136	Spike level	Conc.	% Recov.	QC Limits	122-SO4-132	122-SO4-133	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.5	85%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	7.9	79%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	8.6	86%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	8.8	88%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	8.4	84%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.6	86%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	8.3	83%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	8.4	84%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	9.1	91%	50%-150%	ND	ND	0.0%
Toluene	0.5	1.9	10	10.1	82%	50%-150%	1.1	1.6	37.0%
Ethyl Benzene	0.5	ND	10	8.6	86%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	26.0	87%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	103%			110%	50%-150%	95%	102%	
Toluene-d8		106%			106%	50%-150%	104%	105%	
4-Bromofluorobenzene		97%			103%	50%-150%	96%	95%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/13/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/13/98**	**Client :**	**EFW**
Date analyzed :	**2/13/98**	**Project :**	**Alameda Point**
Report # :	**3E013.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-4-7-20	SO4-4-7-25	O4-4-7-25DU	SO4-4-7-30	SO4-1-6-40	SO4-1-6-45
Lab ID Number		122-SO4-137	122-SO4-138	122-SO4-139	122-SO4-140	122-SO4-141	122-SO4-142
Target Compounds	RL						
Vinyl chloride	0.5	91	1.0	1.2	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	5.9	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	990 *	8.5	8.2	0.6	ND	ND
cis-1,2-Dichloroethene	0.5	670 *	10	11	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	180 *	1.0	0.8	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	1.1	ND	ND	ND	ND	ND
Toluene	0.5	ND	0.8	1.1	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	92%/93%*	102%	98%	101%	106%	94%
Toluene-d8		107%/105%*	104%	105%	104%	104%	106%
4-Bromofluorobenzene		96%/95%*	97%	96%	100%	98%	95%
Pentafluorobenzene	Internal Std.	PASS/PASS*	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS/PASS*	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS/PASS*	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/13/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/13/98**	**Client :**	**EFW**
Date analyzed :	**2/13/98**	**Project :**	**Alameda Point**
Report # :	**3E013.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		RINSATE-09	SO4-3-7-30			
Lab ID Number		122-S04-143	122-SO4-144			
Target Compounds	RL					
Vinyl chloride	0.5	ND	7.9			
Chloroethane	0.5	ND	ND			
1,1-Dichloroethene	0.5	ND	0.9			
trans-1,2-Dichloroethene	0.5	ND	50			
cis-1,2-Dichloroethene	0.5	ND	63			
1,1,1-Trichloroethane	0.5	ND	ND			
1,2-Dichloroethane	0.5	ND	ND			
Trichloroethene	0.5	ND	6.9			
Tetrachloroethene	0.5	ND	ND			
Benzene	0.5	ND	0.5			
Toluene	0.5	ND	ND			
Ethyl Benzene	0.5	ND	ND			
Xylenes (total)	0.5	ND	ND			
1,2-Dichloroethane-d4	surr.	97%	98%			
Toluene-d8		106%	106%			
4-Bromofluorobenzene		97%	97%			
Pentafluorobenzene	Internal Std.	PASS	PASS			
1,4-Difluorobenzene		PASS	PASS			
Chlorobenzene-d5		PASS	PASS			
Dilution factor (DF)		1	1			

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/13/98
Report # : 3E013.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.6	80%	50%-150%
Chloroethane	0.5	ND	2	1.6	80%	50%-150%
1,1-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.9	95%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	2.0	100%	50%-150%
1,2-Dichloroethane	0.5	ND	2	1.8	90%	50%-150%
Trichloroethene	0.5	ND	2	1.8	90%	50%-150%
Tetrachloroethene	0.5	ND	2	1.9	95%	50%-150%
Benzene	0.5	ND	2	1.8	90%	50%-150%
Toluene	0.5	ND	2	1.9	95%	50%-150%
Ethyl Benzene	0.5	ND	2	1.8	90%	50%-150%
Xylenes (total)	0.5	ND	6	5.1	85%	50%-150%
1,2-Dichloroethane-d4	surr.	97%			68%	50%-150%
Toluene-d8	surr.	104%			72%	50%-150%
4-Bromofluorobenzene	surr.	96%			65%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/13/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/13/98**	**Client :**	**EFW**
Date analyzed :	**2/13/98**	**Project :**	**Alameda Point**
Report # :	**3E013.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-SO4-137	Spike level	Conc.	% Recov.	QC Limits	122-SO4-138	122-SO4-139	%
Target Compounds	RL								
Vinyl chloride	0.5	91	125	198.0	86%	50%-150%	1.0	1.2	18.2%
Chloroethane	0.5	ND	125	99.0	79%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	5.9	125	102.0	77%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	990	125	1080.0	72%	50%-150%	8.5	8.2	3.6%
cis-1,2-Dichloroethene	0.5	670	125	760.0	72%	50%-150%	10	11	9.5%
1,1,1-Trichloroethane	0.5	ND	125	102.0	82%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	125	97.0	78%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	180	125	280.0	80%	50%-150%	1.0	0.8	22.2%
Tetrachloroethene	0.5	ND	125	110.0	88%	50%-150%	ND	ND	0.0%
Benzene	0.5	1.1	125	111.0	88%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	125	106.0	85%	50%-150%	0.8	1.1	31.6%
Ethyl Benzene	0.5	ND	125	109.0	87%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	375	332.0	89%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	93%			96%	50%-150%	102%	98%	
Toluene-d8		105%			105%	50%-150%	104%	105%	
4-Bromofluorobenzene		95%			103%	50%-150%	97%	96%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		12.5			12.5		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/16/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/16/98**	**Client :**	**EFW**
Date analyzed :	**2/16/98**	**Project :**	**Alameda Point**
Report # :	**3E014.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-1-4-9.5	SO4-1-4-11.5	SO4-1-4-13.5	S04-3-6-40	RINSATE-10	
Lab ID Number		122-SO4-144	122-SO4-145	122-SO4-146	122-SO4-147	122-SO4-149	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	7.4	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	33	2200*	16,000*	ND	4.1	
trans-1,2-Dichloroethene	0.5	ND	2.1	120	ND	ND	
cis-1,2-Dichloroethene	0.5	5.3	8.0	220*	ND	ND	
1,1,1-Trichloroethane	0.5	ND	1.9	33	ND	ND	
1,2-Dichloroethane	0.5	ND	4.6	210*	ND	ND	
Trichloroethene	0.5	ND	8.4	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane-d4	surr.	70%	61%/60%*	69%/69%*	68%	58%	
Toluene-d8		72%	69%/64%*	72%/69%*	71%	68%	
4-Bromofluorobenzene		66%	62%/59%*	61%/64%*	66%	63%	
Pentafluorobenzene	Internal Std.	PASS	PASS/PASS*	PASS/PASS*	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS/PASS*	PASS/PASS*	PASS	PASS	
Chlorobenzene-d5		PASS	PASS/PASS*	PASS/PASS*	PASS	PASS	
Dilution factor (DF)		1	1/10*	1/50*	1	1	

Notes :

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DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/16/98
Report # : 3E014.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.8	90%	50%-150%
Chloroethane	0.5	ND	2	1.5	75%	50%-150%
1,1-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	2.1	105%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	2.0	100%	50%-150%
1,2-Dichloroethane	0.5	ND	2	2.0	100%	50%-150%
Trichloroethene	0.5	ND	2	1.9	95%	50%-150%
Tetrachloroethene	0.5	ND	2	2.0	100%	50%-150%
Benzene	0.5	ND	2	2.1	105%	50%-150%
Toluene	0.5	ND	2	2.2	110%	50%-150%
Ethyl Benzene	0.5	ND	2	2.0	100%	50%-150%
Xylenes (total)	0.5	ND	6	5.8	97%	50%-150%
1,2-Dichloroethane-d4	surr.	78%			71%	50%-150%
Toluene-d8		72%			71%	50%-150%
4-Bromofluorobenzene		70%			66%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/16/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/16/98**	**Client :**	**EFW**
Date analyzed :	**2/16/98**	**Project :**	**Alameda Point**
Report # :	**3E014.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-SO4-144	Spike level	Conc.	% Recov.	QC Limits	122-SO4-144		%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.4	84%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	8.1	81%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	**33**	10	46	130%	50%-150%	**33**	**28**	16.4%
trans-1,2-Dichloroethene	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	**5.3**	10	14	84%	50%-150%	**5.3**	**5.0**	5.8%
1,1,1-Trichloroethane	0.5	ND	10	8.3	83%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.5	85%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	14	140%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	8.1	81%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	8.4	84%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	8.3	83%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	25	82%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	70%			65%	50%-150%	70%	68%	
Toluene-d8		72%			67%	50%-150%	72%	66%	
4-Bromofluorobenzene		66%			64%	50%-150%	66%	58%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1.0		1	1	

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/17/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/17/98**	**Client :**	**EFW**
Date analyzed :	**2/17/98**	**Project :**	**Alameda Point**
Report # :	**3E015.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-3-7-40	SO4-2-7-20	SO4-2-7-25	SO4-2-7-30	SO4-1-6-11.5	SO4-0-4-11.5
Lab ID Number		122-SO4-148	122-SO4-150	122-SO4-151	122-SO4-152	122-SO4-153	122-SO4-155
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	**6.3**	**34**	**1.4**	**0.9**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	**2.1**	**4.0**	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	**1.6**	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	82%	89%	70%	63%	60%	52%
Toluene-d8	surr.	80%	88%	73%	67%	68%	54%
4-Bromofluorobenzene	surr.	74%	68%	62%	61%	58%	51%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/17/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/17/98**	**Client :**	**EFW**
Date analyzed :	**2/17/98**	**Project :**	**Alameda Point**
Report # :	**3E015.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-0-4-13.5	RINSATE-11				
Lab ID Number		122-SO4-156	122-SO4-157				
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND				
Chloroethane	0.5	ND	ND				
1,1-Dichloroethene	0.5	ND	ND				
trans-1,2-Dichloroethene	0.5	ND	ND				
cis-1,2-Dichloroethene	0.5	ND	ND				
1,1,1-Trichloroethane	0.5	ND	ND				
1,2-Dichloroethane	0.5	ND	ND				
Trichloroethene	0.5	ND	ND				
Tetrachloroethene	0.5	ND	ND				
Benzene	0.5	ND	ND				
Toluene	0.5	ND	ND				
Ethyl Benzene	0.5	ND	ND				
Xylenes (total)	0.5	ND	ND				
1,2-Dichloroethane-d4	surr.	70%	52%				
Toluene-d8		76%	54%				
4-Bromofluorobenzene		71%	50%				
Pentafluorobenzene	Internal Std.	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS				
Chlorobenzene-d5		PASS	PASS				
Dilution factor (DF)		1	1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/17/98
Report # : 3E015.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.6	80%	50%-150%
Chloroethane	0.5	ND	2	1.6	80%	50%-150%
1,1-Dichloroethene	0.5	ND	2	2.2	110%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.9	95%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	1.8	90%	50%-150%
1,2-Dichloroethane	0.5	ND	2	1.8	90%	50%-150%
Trichloroethene	0.5	ND	2	1.7	85%	50%-150%
Tetrachloroethene	0.5	ND	2	1.9	95%	50%-150%
Benzene	0.5	ND	2	1.9	95%	50%-150%
Toluene	0.5	ND	2	1.9	95%	50%-150%
Ethyl Benzene	0.5	ND	2	1.8	90%	50%-150%
Xylenes (total)	0.5	ND	6	5.1	85%	50%-150%
1,2-Dichloroethane-d4	surr.	73%			70%	50%-150%
Toluene-d8	surr.	66%			71%	50%-150%
4-Bromofluorobenzene	surr.	53%			63%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/13/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/13/98**	**Client :**	**EFW**
Date analyzed :	**2/13/98**	**Project :**	**Alameda Point**
Report # :	**3E013.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE*	DUP*	RPD
		122-SO4-148	Spike level	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	10	100%	50%-150%			#DIV/0!
Chloroethane	0.5	ND	10	9.8	98%	50%-150%			#DIV/0!
1,1-Dichloroethene	0.5	ND	10	9.4	94%	50%-150%			#DIV/0!
trans-1,2-Dichloroethene	0.5	ND	10	10	102%	50%-150%			#DIV/0!
cis-1,2-Dichloroethene	0.5	ND	10	11	110%	50%-150%			#DIV/0!
1,1,1-Trichloroethane	0.5	ND	10	10	100%	50%-150%			#DIV/0!
1,2-Dichloroethane	0.5	ND	10	9.8	98%	50%-150%			#DIV/0!
Trichloroethene	0.5	ND	10	9.4	94%	50%-150%			#DIV/0!
Tetrachloroethene	0.5	ND	10	9.4	94%	50%-150%			#DIV/0!
Benzene	0.5	ND	10	10	101%	50%-150%			#DIV/0!
Toluene	0.5	ND	10	9.8	98%	50%-150%			#DIV/0!
Ethyl Benzene	0.5	ND	10	9.8	98%	50%-150%			#DIV/0!
Xylenes (total)	0.5	ND	30	29	97%	50%-150%			#DIV/0!
1,2-Dichloroethane-d4	surr.	82%			73%	50%-150%			
Toluene-d8		80%			70%	50%-150%			
4-Bromofluorobenzene		74%			70%	50%-150%			
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1.0		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
*-No field dupluicate was received 2/17/98

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/18/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/18/98**	**Client :**	**EFW**
Date analyzed :	**2/18/98**	**Project :**	**Alameda Point**
Report # :	**3E016.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-2-3-13.5	RINSATE-04	SO5-6-11.5	SO5-6-11.5D	S05-6-1-13.5	
Lab ID Number		122-SO5-019	122-SO5-44	122-S05-77	122-S05-78	122-SO5-79	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	**44**	ND	ND	ND	
Toluene	0.5	ND	**590**	**1.5**	**0.8**	ND	
Ethyl Benzene	0.5	ND	**160**	ND	ND	ND	
Xylenes (total)	0.5	ND	**1100**	**2.0**	**1.1**	ND	
1,2-Dichloroethane-d4	surr.	97%	92%	97%	103%	104%	
Toluene-d8		104%	103%	106%	104%	106%	
4-Bromofluorobenzene		99%	101%	99%	104%	101%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	10	1	1	1	

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/18/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/18/98**	**Client :**	**EFW**
Date analyzed :	**2/18/98**	**Project :**	**Alameda Point**
Report # :	**3E016.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-5-1-9.5	SO5-5-1-13.5	SO5-7-3-13.5	SO5-2-3-9.5
Lab ID Number		122-SO5-073	122-SO5-074	122-SO5-075	122-SO5-076
Target Compounds	RL				
Vinyl chloride	0.5	ND	ND	**0.7**	**81**
Chloroethane	0.5	ND	ND	ND	**45**
1,1-Dichloroethene	0.5	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**33**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND
Benzene	0.5	ND	ND	**1.4**	**3.8**
Toluene	0.5	ND	**1.4**	**1.1**	ND
Ethyl Benzene	0.5	ND	ND	ND	**5.0**
Xylenes (total)	0.5	**4.1**	ND	ND	ND
1,2-Dichloroethane-d4	surr.	101%	106%	98%	97%
Toluene-d8		104%	105%	102%	104%
4-Bromofluorobenzene		96%	96%	95%	99%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/18/98
Report # : 3E016.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	2	1.7	85%	50%-150%
Chloroethane	0.5	ND	2	1.6	80%	50%-150%
1,1-Dichloroethene	0.5	ND	2	2.0	100%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	2	2.1	105%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	2	1.0	50%	50%-150%
1,1,1-Trichloroethane	0.5	ND	2	1.0	50%	50%-150%
1,2-Dichloroethane	0.5	ND	2	2.2	110%	50%-150%
Trichloroethene	0.5	ND	2	2.0	100%	50%-150%
Tetrachloroethene	0.5	ND	2	1.9	95%	50%-150%
Benzene	0.5	ND	2	2.2	110%	50%-150%
Toluene	0.5	ND	2	2.1	105%	50%-150%
Ethyl Benzene	0.5	ND	2	2.0	100%	50%-150%
Xylenes (total)	0.5	ND	6	5.8	97%	50%-150%
1,2-Dichloroethane-d4	surr.	79%			104%	50%-150%
Toluene-d8		85%			102%	50%-150%
4-Bromofluorobenzene		79%			94%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
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LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/18/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/18/98**	**Client :**	**EFW**
Date analyzed :	**2/18/98**	**Project :**	**Alameda Point**
Report # :	**3E016.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-SO4-154	Spike level	Conc.	% Recov.	QC Limits	122-SO4-154	122-SO4-158	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	9	94%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	8.9	89%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	0.7	10	8.6	79%	50%-150%	0.7	0.5	28.6%
trans-1,2-Dichloroethene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	9.1	91%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.3	83%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	8.5	85%	50%-150%	ND	ND	0.0%
Benzene	0.5	0.5	10	9.4	89%	50%-150%	0.5	0.5	0.0%
Toluene	0.5	5.5	10	13.0	75%	50%-150%	5.5	3.0	58.8%
Ethyl Benzene	0.5	ND	10	8.8	88%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	0.8	30	27	87%	50%-150%	0.8	0.5	46.2%
1,2-Dichloroethane-d4	surr.	103%			102%	50%-150%	103%	99%	
Toluene-d8	surr.	104%			107%	50%-150%	104%	104%	
4-Bromofluorobenzene	surr.	94%			108%	50%-150%	94%	95%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
*-No field dupluicate was received 2/17/98

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/19/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/19/98**	**Client :**	**EFW**
Date analyzed :	**2/19/98**	**Project :**	**Alameda Point**
Report # :	**3E017.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO4-4-8-20	SO5-2-4-5.5	SO5-2-4-7.5	SO5-2-4-9.5	SO5-2-4-11.5	SO5-3-3-5.5	S05-3-3-7.5
Lab ID Number		122-SO4-165	122-SO5-082	122-SO5-083	122-SO5-084	122-SO5-085	122-S05-026	122-S05-027
Target Compounds	RL							
Vinyl chloride	0.5	ND	ND	ND	**2.5**	**5.5**	**2.1**	**2.0**
Chloroethane	0.5	ND	ND	ND	ND	ND	**1.0**	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	**1.5**	**0.5**	**5.2**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**37**	**38**	ND	**1.0**
1,1,1-Trichloroethane	0.5	ND	ND	**1.4**	**0.8**	ND	**2.9**	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	**2.4**	**0.5**
Trichloroethene	0.5	ND	ND	ND	ND	ND	**3.7**	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	**0.6**	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4		104%	96%	94%	97%	95%	106%	103%
Toluene-d8	surr.	103%	103%	104%	103%	105%	104%	103%
4-Bromofluorobenzene		96%	96%	94%	95%	95%	100%	97%
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Std.	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1	1

Notes :

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DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/19/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/19/98**	**Client :**	**EFW**
Date analyzed :	**2/19/98**	**Project :**	**Alameda Point**
Report # :	**3E017.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-7-2-13.5	RINSATE-12	RINSATE-13	SO4-3-8-20	SO4-3-8-20 D	SO4-3-8-25	SO4-3-8-30
Lab ID Number		122-SO5-080	122-SO4-159	122-SO4-160	122-SO4-161	122-SO4-162	122-SO4-163	122-SO4-164
Target Compounds	RL							
Vinyl chloride	0.5	**3.0**	ND	ND	ND	ND	ND	**1.3**
Chloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	**1.9**	**2.1**	ND	**3.1**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND	**1.4**
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**4.2**	**4.4**	**4.5**	**11**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	**150***	**170***	**120**	**260***
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND
Toluene	0.5	**3.5**	**9.1**	ND	**1.0**	ND	ND	ND
Ethyl Benzene	0.5	ND	**3.0**	ND	ND	ND	ND	ND
Xylenes (total)	0.5	**2.4**	**20**	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	92%	94%	96%	96%/99%	99%/107%	104%	101%/101%*
Toluene-d8	surr.	104%	105%	104%	93%/101%	105%/103%	104%	104%/104%*
4-Bromofluorobenzene	surr.	97%	99%	96%	99%/96%	95%/86%	98%	96%/(6%*
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS/PASS*	PASS/PASS *	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS/PASS*	PASS/PASS *	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS/PASS*	PASS/PASS *	PASS	PASS
Dilution factor (DF)		1	1	1	1/10*	1	1	1

Notes :

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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/19/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/19/98**	**Client :**	**EFW**
Date analyzed :	**2/19/98**	**Project :**	**Alameda Point**
Report # :	**3E017.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-3-3-9.5	SO5-3-3-9.5 D	SO5-3-3-11.5				
Lab ID Number		122-SO5-028	122-SO5-086	122-SO5-087				
Target Compounds	RL							
Vinyl chloride	0.5	**3.1**	**2.8**	**79**				
Chloroethane	0.5	ND	ND	**0.7**				
1,1-Dichloroethene	0.5	ND	ND	**26**				
trans-1,2-Dichloroethene	0.5	ND	ND	**7.7**				
cis-1,2-Dichloroethene	0.5	**3.2**	**3.5**	**38**				
1,1,1-Trichloroethane	0.5	ND	ND	ND				
1,2-Dichloroethane	0.5	ND	ND	**0.8**				
Trichloroethene	0.5	ND	ND	**14**				
Tetrachloroethene	0.5	ND	ND	ND				
Benzene	0.5	ND	ND	ND				
Toluene	0.5	ND	ND	ND				
Ethyl Benzene	0.5	ND	ND	**1.0**				
Xylenes (total)	0.5	ND	ND	ND				
1,2-Dichloroethane-d4	surr.	103%	106%	106%				
Toluene-d8		103%	102%	105%				
4-Bromofluorobenzene		100%	100%	100%				
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS	PASS				
Chlorobenzene-d5		PASS	PASS	PASS				
Dilution factor (DF)		1	1	1				

Notes :

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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 2/19/98
Report # : 3E017.xls
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	11	110%	50%-150%
Chloroethane	0.5	ND	10	8.5	85%	50%-150%
1,1-Dichloroethene	0.5	ND	10	8.6	86%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.1	91%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	8.4	84%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	8.3	83%	50%-150%
1,2-Dichloroethane	0.5	ND	10	7.8	78%	50%-150%
Trichloroethene	0.5	ND	10	7.9	79%	50%-150%
Tetrachloroethene	0.5	ND	10	8.4	84%	50%-150%
Benzene	0.5	ND	10	8.4	84%	50%-150%
Toluene	0.5	ND	10	7.9	79%	50%-150%
Ethyl Benzene	0.5	ND	10	8.2	82%	50%-150%
Xylenes (total)	0.5	ND	30	25	83%	50%-150%
1,2-Dichloroethane-d4	surr.	98%			102%	50%-150%
Toluene-d8		104%			106%	50%-150%
4-Bromofluorobenzene		100%			105%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
Chlorobenzene-d5		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/19/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/19/98**	**Client :**	**EFW**
Date analyzed :	**2/19/98**	**Project :**	**Alameda Point**
Report # :	**3E017.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-SO4-163	Spike level	Conc.	% Recov.	QC Limits	122-SO4-161	122-SO4-162	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8	77%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	7.8	78%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	7.9	79%	50%-150%	1.9	2.1	10.0%
trans-1,2-Dichloroethene	0.5	ND	10	8.5	85%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	4.5	10	13	85%	50%-150%	4.2	4.4	4.7%
1,1,1-Trichloroethane	0.5	ND	10	7.6	76%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	7.6	76%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	120	10	138	180%*	50%-150%	150	170	12.5%
Tetrachloroethene	0.5	ND	10	8.1	81%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	8.1	81%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	8.5	85%	50%-150%	1.0	0.5	100.0%
Ethyl Benzene	0.5	ND	10	8.0	80%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	25	83%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane-d4	surr.	104%			104%	50%-150%	96%	99%	
Toluene-d8	surr.	104%			104%	50%-150%	105%	105%	
4-Bromofluorobenzene	surr.	98%			104%	50%-150%	94%	95%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
* Analyte is outside of QC limits due to the high levels of target analyte present in the sample.

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/20/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/20/98**	**Client :**	**EFW**
Date analyzed :	**2/20/98**	**Project :**	**Alameda Point**
Report # :	**3E018.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO4-5-7-20	RINSATE-05	SO5-1-3-5.5	SO5-1-3-7.5	S05-1-3-9.5	SO5-3-3-13.5	RINSATE-06
Lab ID Number		122-SO4-166	122-SO5-045	122-SO5-088	122-SO5-089	122-SO5-090	122-SO5-029	122-SO5-091
Target Compounds	RL							
Vinyl chloride	0.5	ND	**2.2**	ND	ND	ND	**0.8**	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	**3.9**	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	**11**	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	**1.1**	ND
Toluene	0.5	**2.7**	**0.7**	ND	ND	ND	ND	**1.5**
Ethyl Benzene	0.5	**1.2**	ND	ND	ND	ND	ND	**0.6**
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND	**4.2**
1,2-Dichloroethane-d4	surr.	94%	116%	90%	93%	105%	91%	102%
Toluene-d8		104%	103%	105%	105%	97%	104%	103%
4-Bromofluorobenzene		96%	84%	95%	94%	57%	96%	96%
Pentafluorobenzene	Internal Std.	RERUN	PASS	PASS	PASS	RERUN	PASS	PASS
1,4-Difluorobenzene		RERUN	PASS	PASS	PASS	RERUN	PASS	PASS
Chlorobenzene-d5		RERUN	PASS	PASS	PASS	RERUN	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 50% - 200%

Laboratory director

3/24/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/20/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/20/98**	**Client :**	**EFW**
Date analyzed :	**2/20/98**	**Project :**	**Alameda Point**
Report # :	**3E018.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		SO5-6-4-5.5	SO4-3-8-40					
Lab ID Number		122-SO5-081	122-SO4-167					
Target Compounds	RL							
Vinyl chloride	0.5	ND	ND					
Chloroethane	0.5	ND	ND					
1,1-Dichloroethene	0.5	ND	ND					
trans-1,2-Dichloroethene	0.5	ND	ND					
cis-1,2-Dichloroethene	0.5	ND	ND					
1,1,1-Trichloroethane	0.5	ND	ND					
1,2-Dichloroethane	0.5	ND	ND					
Trichloroethene	0.5	ND	ND					
Tetrachloroethene	0.5	ND	ND					
Benzene	0.5	ND	ND					
Toluene	0.5	ND	ND					
Ethyl Benzene	0.5	ND	ND					
Xylenes (total)	0.5	ND	ND					
1,2-Dichloroethane-d4	surr.	100%	113%					
Toluene-d8		104%	103%					
4-Bromofluorobenzene		98%	100%					
Pentafluorobenzene	Internal Std.	PASS	PASS					
1,4-Difluorobenzene		PASS	PASS					
Chlorobenzene-d5		PASS	PASS					
Dilution factor (DF)		1	1					

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	2/2/98
Page:	1 of 1
Laboratory:	ONSITE
Lab Number:	

Project Manager:	ROB LANGDON
Client Name:	(EFW)
Address:	2650 E BAYSHORE RD
City, State ZIP	PALO ALTO CA.
Phone:	650-843 3828
Fax:	650 843-3815

Project Name:	ALAMEDA POINT (SITE 4)
Project Number:	APT102

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (Mod)					No. Containers	Remarks
S04-3-1-11.5	2/2/98	0805	H_2O	NB			122-S04-101				X					2	
S04-3-6-20	"	0900	"	RL			122-S04-102				X					2	
S04-1-6-20	"	0955	"	RL			122-S04-103				X					2	
S04-4-2-30	"	1015	"	RL			122-S04-104				X					2	
S04-1-6-25	"	1045	"	NB			122-S04-105				X					2	
S04-2-2-11.5	"	1105	"	NB			122-S04-106				X					2	
~~S04-1-6-25~~	~~"~~																
S04-1-6-30	"	1235	"	NB			122-S04-107				X					2	
S04-3-1-11.5	"	1300	"	NB			122-S04-108				X					2	
S04-2-5-40	"	1430	"	RL			122-S04-109				X					1	
S04-2-5-40-DUP	"	1430	"	RL			122-S04-110				X					1	
S04-3-6-25	"	1535	"	RL			122-S04-111				X					1	

Initials:	Printed Name:	Signature:
RL	ROBERT LANGDON	[signature]
GV	Garth Vogl	[signature]

Date:	2/2/98
Start Time:	0805
Stop Time:	
Hours:	
Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Y[illegible] - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROB LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE
City, State ZIP	PALO ALTO CA 94303
Phone:	650 · 843 · 3828
Fax:	650 · 843 · 5815

Bill to:	
Company:	
Address:	
City, State ZIP	
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Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA POINT (SITE 4)
Project Number:	APT02

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	Pb (CA)					No. Containers	Remarks
SO4-4-4-40	2/4/98	1225	LW			GV	122-504-112				X					2	
SO4-4-6-20	"	1400	"			NB	122-504-113				X					1	
SO4-4-6-20 DUP	"	1400	"			NB	122-504-114				X					1	
SO4-4-6-25	"	1430	"			NB	122-504-115				X					2	
SO4-4-6-30	"	1520	"			NB	122-504-116				X					2	

Initials:	Printed Name:	Signature:			
GV	Garth Voigt	Garth Voigt	Date:	2/4/98	2/4/98
NB	NICK BRYSON	Nick Bryson	Start Time:		8:00
			Stop Time:		14:00
			Hours:		
			Client Sign-off:		

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROB LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE
City, State ZIP	PALO ALTO CA 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA PLANT (SITE 4)
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	Remarks
SO4-4-4-40	2/4/98	1225	W			GV	122-SO4-112				X					2	
SO4-4-6-20	"	1400	"			NB	122-SO4-113				X					1	
SO4-4-6-20-DUP	"	1400	"			NB	122-SO4-114				X					1	
SO4-4-6-25	"	1430	"			NB	122-SO4-115				X					2	
SO4-4-6-30	"	1520	"			NB	122-SO4-116				X					2	

Initials:	Printed Name:	Signature:			
GV	Gavin Voigt	Gavin Voigt	Date: 2/4/98	2/4/98	
NB	NICK BRYSON	Nick Bryson	Start Time:	8:00	
			Stop Time:	17:00	
			Hours:		
			Client Sign-off:		

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Y[illegible] - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD
City, State ZIP	PALO ALTO CA. 94303
Phone:	(650) 843-3828
Fax:	(650) 843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Project Name:	ALAMEDA POINT (SITE 4)
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	Remarks
S04-5-4-25	2/5/98	0835	H_2O	NB			122-S04-117				X					2	
S04-5-4-30	"	0920	"	"			122-S04-118				X					2	
~~S0~~ RINSATE-07	"	0940	"	"			122-S04-120				X					2	
S04-5-4-20	"	1000	"	MW			122-S04-119				X					2	
S04-4-5-20	"	1100	"	"			122-S04-121				X					2	
S05-6-3-5.5	"	1420	"	"			122-S05-50				X					2	
S04-6-2-5.5	"	1515	"	"			122-S05-52				X					1	
S05-6-2-11.5	"	1550	"	"			122-S05-53				X					2	
S05-6-3-11.5	"						122-S05-51				X						
S05-6-2-15.5	"	1600	"	"			122-S05-54				X					1	

Initials:	Printed Name:	Signature:		
GV	Garth Voigt	Garth Voigt	Date: 2/5/98	
NB	NICK BRYSON		Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	(650) 843-3828
Fax:	(650) 843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA POINT (SITE 5)
Project Number:	APT103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	Remarks
TRIP BLANK-01	2/5/98	1320	H_2O	NB			122-505-046				X					2	

Initials:	Printed Name:	Signature:		
GV	Garth Voigt	Garth Voigt	Date:	2/5/98
NB	NICK BRYSON	Nick Bryson	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Ye - Mobile Lab Pink - Client

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

Page ___ of ___

PO # _____

CONTRACT LABORATORY: ONSITE

TURN-AROUND TIME:

Project No.: APT103

Site Name: ALAMEDA POINT (SITE 5)

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A									LAB I.D. * Remarks
S05-4-2-9.5 *		2/6/98	0920	H_2O	10.5'	VOA/40ml	2	N	NONE	X									122-S05-033
S05-4-2-13.5 *		2/6/98	1030	"	14.5-15.5'	"	2	"	"	X									122-S05-034
S05-4-3-15.5 *		"	1130	"	18-20'	"	2	"	"	X									122-S05-039
S05-4-4-7.5 *		"	1400	"	8.5	"	1	"	"	X									122-S05-055
S05-4-4-7.5-DUP *		"	1400	"	8.5	"	1	"	"	X									122-S05-056
RINSATE-01 *		"	1430	"	-	"	1	"	"	X									122-S05-042

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	Darrell Vogt	2/6/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:
EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

white lab copy yellow project file

EINARSON FOWLER & WATSON

CHAIN O. CUSTODY

ge ___ of ___

PO # _____

CONTRACT LABORATORY: ON SITE TURN-AROUND TIME:

Project No. APT 103

Site Name ALAMEDA POINT (SITE 5)

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A (Mod)	* LAB(ID) Remarks
S05-2-3-5.5 *		2/9/98	0930	H_2O	6.5'	VOA/40ml	2	N	NONE	X	122-S05-057
S05-2-3-7.5 *		"	1000	"	8.5'	"	2	"	"	X	122-S05-017
S05-2-3-11.5 *		"	1050	"	11.5'	"	2	"	"	X	122-S05-018
S05-2-3-15.5 *		"	1110	"	15.5'	VOA/40ml	1	"	"	X	122-S05-020
S05-3-1-5.5 *		"	1310	"	5.5'	VOA/40ml	1	"	"	X	122-S05-058
S05-3-1-11.5 *		"	1355	"	11.5'	"	2	"	"	X	122-S05-059
~~S05-3-1-13.5~~		"									
S05-3-1-13.5 *		"	1420	"	13.5'	"	1	"	"	X	122-S05-060
S05-3-4-13.5 *		"	1515	"	13.5	"	2	"	"	X	122-S05-061
~~S05~~ NB RINSATE-02 *		"	1530	"	—	"	1	"	"	X	122-S05-043

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	Kaarel Voyt	2/9/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

white lab copy project file

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Manager:	ROD LANGDON
Client Name:	EFW
Address:	
City, State ZIP	
Phone:	
Fax:	

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Project Name:	SITE 5 INVESTIGATION
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021) 8260	TPH - Gas (8015M)	TPH - Diesel (8015M)						No. Containers	Remarks
505-2-2-5.5	2/10/98	0900	WATER	WETTERO				X								2	122-505-062
505-2-2-7.5	2/10/98	0920	WATER	WETTERO				X								2	122-505-063
505-2-2-9.5	2/10/98	0935	WATER	"				X								2	122-505-064
505-2-2-11.5	"	1020	"	NB				X								2	122-505-065
505-2-2-13.5	"	1055	"	MRW				X								1	•122-505-066
505-2-2-13.5 DUP	"	1055	"	MRW				X								1	122-505-067
505-4-1-7.5	"	1150	"	"				X								1	122-505-068
505-4-1-15.5	"	1320	"	"				X								1	122-505-069
505-2-1-5.5	"	1410	"	"				X								2	122-505-074
505-2-1-13.5	"	1425	"	"				X								2	122-505-015
505-2-1-15.5	"	1505	"	"				X								1	122-505-016
505-3-5-9.5	"	1605	"	"				X								2	122-505-071
505-1-2-5.5	"	1540	"	"				X								2	122-505-072
RINSATE-03	"	1620	"	"				X								1	122-505-044

Initials:	Printed Name:	Signature:		
GV	Garth Voigt	[signature]	Date: 2/10/98	
NB	NICK BRYSON	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Project Manager:	ROB LANGDON
Client Name:	BFW
Address:	
City, State ZIP	
Phone:	
Fax:	

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	SITE 4 Investigation
Project Number:	APT 102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	~~BTEX (8021)~~ 8260	TPH - Gas (8015M)	TPH - Diesel (8015M)						No. Containers	LAB ID / ~~Remarks~~
SO4-1-4-55	2/11/98	1015	H_2O	RL	~~1011~~			X								1	122-SO4-122
SO4-1-4-55-DUP		1015	↓	↓				X								1	122-SO4-123
SO4-3-7-20		1215						X								2	122-SO4-124
SO4-3-7-25		1245						X								2	122-SO4-125
REINSATE-04		1300						X								2	122-SO4-126
SO4-2-4-20		1315						X								2	122-SO4-127
SO4-3-6-30		1425						X								2	122-SO4-128
SO4-4-3-20		1535	↓	↓				X								2	122-SO4-129

Initials:	Printed Name:	Signature:	Date: 2/11/98	
RL	Robert Langdon	Robert Langdon	Start Time:	
MC	MATT CUCVER	Matthew Cuver	Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 945[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROB LANGDON
Client Name:	KFW
Address:	
City, State ZIP	
Phone:	
Fax:	

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	SITE 415/14 INVESTIGATION
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	~~BTEX (8021)~~	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260					No. Containers	Remarks
504-0-4-20	2/12/98	0940	H_2O	MKW			~~122-504-131~~				X					2	122-504-131
504-0-4-15	"	0915	"	"			~~122-504-130~~				X					2	122-504-130
504-0-4-25	"	1020	"	"							X					1	122-504-132
504-0-4-25 DUP	"	1020	"	"							X					1	122-504-133
504-0-4-30	"	1100	"	"							X					2	122-504-134
~~504~~ FB-03	"	1300	"	RL							X					2	122-504-135
504-0-4-45	"	1500	"	RL							X					2	122-504-136

Initials:	Printed Name:	Signature:		
R.L.	ROBERT LANGDON	Robert Langdon	Date: 2/12/98	
MK	MATT CULVER	Matthew A. Culver	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROB LANGDON
Client Name:	EFW
Address:	
City, State ZIP	
Phone:	
Fax:	

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260					No. Containers	Remarks
S04-4-7-20	2/13/98	0800	Ag	CMF							X					2	122-S04-137
S04-4-7-25	2/13/98	~~0800~~ 0845	Ag								X					1	122-S04-138
S04-4-7-25-Dup	2/13/98	0845	Ag								X					1	122-S04-139
S04-4-7-30	2/13/98	0950	Ag								X					2	122-S04-140
S04-1-6-40	2/13/98	1140	Ag								X					2	122-S04-141
S04-1-6-45	2/13/98	1251	Ag								X					2	122-S04-142
RINSEATE-09	2/13/98	1325	Ag								X					2	122-S04-~~ER9~~ 143
S04-3-7-30	"	1600	"	RL							X					2	122-S04-144 RL

Initials:	Printed Name:	Signature:		
CMF	Chris Fennessy	Chris Fennessy	Date: 2/13/98	
RL	Robert Langdon	Robert Langdon	Start Time:	
MC	MATT CULVER	Matthew A Culver	Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Ye[illegible] - Mobile Lab Pink - Client

EINARSON FOWLER & WATSON

CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ONSITE

TURN-AROUND TIME:

Project No.: APT102

Site Name: ALAMEDA POINT

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A (MOD)	LAB I.D. * Remarks
S04-1-4-9.5 *		2/16/98	0905	H2O	—	VOA/40ml	2	N	NONE	X	122-S04-144
S04-1-4-11.5 *		"	0950	"	"	"	"	"	"	X	122-S04-145
S04-1-4-13.5 *		"	1030	"	"	"	"	"	"	X	122-S04-146
S04-3-6-40 *		"	1330	"	"	"	1	"	"	X	122-S04-147
~~S04-1-4-~~											
RINSATE-10 *		"	1505	"	"	"	1	"	"	X	122-S04-149

Relinquished by: (signature)	Received by: (signature)	Date/Time:
[signature]	Gerald Voyt	2/16/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:
EINARSON, FOWLER & WATSON
2650 East Bayshore Road
Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

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CHAIN O. CUSTODY

PO # _____

CONTRACT LABORATORY: ONSITE TURN-AROUND TIME:

Project No. APT102

Site Name ALAMEDA POINT

Sampler(s): (printed) NKK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Information Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A (MOD)									Remarks / LAB ID*
S04-3-7-40 *		2/17/98	0750	H_2O	—	VOA/40ml	1	N	NONE	X									122-S04-148
S04-2-7-20 *		"	0920	"	—	"	2	N	"	X									122-S04-150
S04-2-7-25 *		"	0955	"	—	"	2	N	"	X									122-S04-151
S04-2-7-30 *		"	1045	"	—	"	2	N	"	X									122-S04-152
S04-1-6-15 *		"	1230	"	—	"	"	"	"	X									122-S04-153
S04-0-4-11.5 *		"	1440	"	—	"	1	"	"	X									122-S04-155
S04-0-4-13.5 *		"	1520	"	—	"	2	"	"	X									122-S04-156
RINSATE-11 *		"	1545	"	—	"	1	"	"	X									122-S04-157

Relinquished by: (signature)	Received by: (signature)	Date/Time:
[signature]	[signature]	2/17/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
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Palo Alto, CA 94303
Phone (415) 843-3828
Fax (415) 843-3815

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 945[illegible] el. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Project Manager:	ROB LANGDON
Client Name:	NB ~~ARTIO3~~ FFW
Address:	2650 E BAYSHORE RD.
City, State ZIP	PALO ALTO CA 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA POINT
Project Number:	NT 103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260B (MOD)					No. Containers	Remarks
S05-5-1-9.5	2/18/98	0925	H_2O	NB			122-S05-073				X						
S05-5-1-13.5	"	1000	"	NB			122-S05-074				X						
S05-7-3-13.5	"	1050	"	NB			122-S05-075				X						
S05-2-3-9.5	"	1425	"	NB			122-S05-076				X						
S05-2-3-13.5	"	1500	"	NB			122-S05-019				X						
RINSATE-04	"	1545	"	NB			122-S05-441				X						
S05-6-1-11.5	"	1610	"	NB			122-S05-77				X						
S05-6-1-11.5-DUP	"	1610	"	NB			122-S05-78				X						
S05-6-1-13.5	"	1650	"	NB			122-S05-79				X						

Initials:	Printed Name:	Signature:		
GV	Gareth Voigt	[signature]	Date:	
NB	Nick Bryson		Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

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CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ONSITE TURN-AROUND TIME:

Project No.: APT03

Site Name: ALAMEDA PT.

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	8260A(MOD)									* LAB ID Remarks
S05-7-2-13.5*		2/19/98	0805	H_2O	—	VOA/40ml	1	N	NONE	X									122-S05-080
								N	"										(1/2 VOA) * ↑
S05-2-4-5.5		"	1350	"	"	"	2	N	"	X									122-S05-082
S05-2-4-7.5		"	1415	"	"	"	2	N	"	X									122-S05-083
S05-2-4-9.5		"	1430	"	"	"	2	N	"	X									122-S05-084
S05-2-4-11.5		"	1450	"	"	"	2	N	"	X									122-S05-085
S05-3-3-5.5		"	1545	"	"	"	2	N	"	X									122-S05-026
S05-3-3-7.5		"	1600	"	"	"	2	N	"	X									122-S05-027
S05-3-3-9.5		"	1615	"	"	"	1	N	"	X									122-S05-028
S05-3-3-9.5-DUP		"	1615	"	"	"	1	N	"	X									122-S05-086
S05-3-3-11.5		"	1630	"	"	"	2	N	"	X									122-S05-087

Relinquished by: (signature)	Received by: (signature)	Date/Time:
		2/19/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:
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Palo Alto, CA 94303
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CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ONSITE TURN-AROUND TIME:

Project No.: APT102

Site Name: ALAMEDA POINT

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	Analyses: 8260A(MOD)	* LAB ID Remarks
RINSATE-12 *		2/19/98	0740	H_2O	—	VOA/40ml	1	N	NONE	X	122-S04-159
RINSATE13 *		"	"	"	"	"	1	N	"	X	122-S04-160
S04-3-8-20 *		"	0900	"	"	"	1	N	"	X	122-S04-161
S04-3-8-20-DUP		"	0900	"	"	"	1	N	"	X	122-S04-162
S04-3-8-25 *		"	0945	"	"	"	1	N	"	X	122-S04-163
S04-3-8-30 *		"	1035	"	"	"	2	N	"	X	122-S04-164
S04-4-8-20 *		"	1115	"	"	"	2	N	"	X	122-S04-165

Relinquished by: (signature)	Received by: (signature)	Date/Time:
		2/19/98
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

Send Results To:
Attn:

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CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ONSITE TURN-AROUND TIME:

Project No.: AP103

Site Name: ALAMEDA PT.

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	8260B (MOD)									CAB ID # Remarks
~~SD5~~ NO RINSATE-05*		2/20/98	0750	H_2O	—	VOA/40ml	1	N	None	X									122-S05-045
S05-1-3-5.5		"	0930	"	"	VOA/40ml	2	"	"	X									122-S05-088
S05-1-3-7.5		"	0945	"	"	"	2	"	"	X									122-S05-089
S05-1-3-9.5		"	1000	"	"	"	2	"	"	X									122-S05-090
S05-3-3-13.5		"	1315	"	"	"	1	"	"	X	3/4 VOA								122-S05-029
RINSATE-06		"	1330	"	"	"	1	"	"	X									122-S05-091
S05-6-4-5.5		"	1400	"	"	"	1	"	"	X									122-S05-081

Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:
Relinquished by: (signature)	Received by: (signature)	Date/Time:

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Palo Alto, CA 94303
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CHAIN OF CUSTODY

PO # _____

CONTRACT LABORATORY: ON SITE

TURN-AROUND TIME:

Project No.: APT102

Site Name: ALAMEDA PT.

Sampler(s): (printed) NICK BRYSON (signature)

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Type/Volume	Qnty	Filt	Prsrv.	8260A (MOD)								LAB I.D.* Remarks
S04-5-7-20*		2/20/98	0645	H_2O	—	VOA/40ml	2	N	NONE	X								122-S04-166
S04-3-8-40*		"	1220	"	"	"	"	"	"	X								122-S04-167

Relinquished by: (signature) | Received by: (signature) | Date/Time:

Relinquished by: (signature) | Received by: (signature) | Date/Time:

Relinquished by: (signature) | Received by: (signature) | Date/Time:

Send Results To:
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Palo Alto, CA 94303
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Fax (415) 843-3815

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Case Narrative - VOC

Date: March 25, 1998
From: Peter Balas
To: Robert Langdon
Re: Samples submitted for VOCs analysis by Method 8260
SDG(s): 3E026 through 3E039
Project No.: APT102 and APT103

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions stated below. Release of the data contained in this hardcopy package has been authorized by the Laboratory Manager or his designee, as verified by the signature below.

1. Sample receipt: All chain of custody and sample receipt and login procedures were observed.

2. Calibration checks: All initial calibrations and continuing calibrations met method requirements.

3. Method Blank: All method blanks met method requirements.

4. Matrix Spikes: Laboratory control samples were analyzed in place of matrix spike samples for SDGs 3E026, 3E029, and 3E030 on 3/2, 3/5, and 3/6/98.

5. Surrogate Recoveries: All surrogate recoveries met contract control limits.

6. Lab Control Sample: All LCS samples were within contract control limits.

7. Samples: All samples met contract control limits.

Laboratory Director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/2/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/2/98**	**Client :**	**EFW**
Date analyzed :	**3/2/98**	**Project :**	**Alameda Point**
Report # :	**1e022.xls**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		SO4-2-5-11.5	SO4-2-5-15.5	SO5-2-2-9.5	SO5-2-2-11.5
Lab ID Number		122-SO4-168	122-SO4-170	122-SO4-171	122-SO4-172
Target Compounds	RL				
Vinyl chloride	0.5	**1.8**	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	**9.7**	ND	ND
trans-1,2-Dichloroethene	0.5	**7.7**	**17**	ND	ND
cis-1,2-Dichloroethene	0.5	**120**	**190**	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND
Trichloroethene	0.5	ND	**81**	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND
Benzene	0.5	ND	ND	**2**	ND
Toluene	0.5	ND	**0.9**	**15**	ND
Ethyl Benzene	0.5	ND	ND	**3.8**	ND
Xylenes (total)	0.5	ND	ND	**23**	ND
1,2-Dichloroethane-d4	surr.	73%	86%	95%	93%
Toluene-d8		118%	128%	104%	118%
4-Bromofluorobenzene		122%	133%	143%	139%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/2/98
Report # : 1e022.xls
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	6.7	67%	50%-150%
Chloroethane	0.5	ND	10	12.4	124%	50%-150%
1,1-Dichloroethene	0.5	ND	10	17.9	179%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	17.4	174%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	17.8	178%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	13.8	138%	50%-150%
1,2-Dichloroethane	0.5	ND	10	12.7	127%	50%-150%
Trichloroethene	0.5	ND	10	14.4	144%	50%-150%
Tetrachloroethene	0.5	ND	10	11.3	113%	50%-150%
Benzene	0.5	ND	10	14.0	140%	50%-150%
Toluene	0.5	ND	10	10.9	109%	50%-150%
Ethyl Benzene	0.5	ND	10	11.9	119%	50%-150%
Xylenes (total)	0.5	ND	30	36.2	121%	50%-150%
1,2-Dichloroethane-d4	surr.	80%			105%	50%-150%
Toluene-d8	surr.	73%			88%	50%-150%
4-Bromofluorobenzene	surr.	69%			103%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
Chlorobenzene-d5	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/24/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/3/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/3/98**	**Client :**	**EFW**
Date analyzed :	**3/4/98**	**Project :**	**Alameda Point**
Report # :	**3E027.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-2-6-11.5	S04-2-6-13.5	S04-2-6-15.5	FB-05	S04-3-7-11.5	S04-3-7-13.5
Lab ID Number		122-SO4-173	122-SO4-174	122-SO4-175	122-SO4-176	122-SO4-177	122-SO4-178
Target Compounds	RL						
Vinyl chloride	0.5	ND	**11**	**46**	ND	**3.2**	**7.1**
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	**2.7**	**76**	ND	**0.62**	**1.2**
trans-1,2-Dichloroethene	0.5	ND	**12**	**14**	ND	**0.6**	**2.2**
cis-1,2-Dichloroethene	0.5	**1.9**	**230 E**	**490**	ND	**13**	**54**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	**0.56**	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	**31**	**310**	ND	**2.6**	**29**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	**21**	**0.83**	ND	**1.3**	ND	**0.51**
Toluene	0.5	**5.6**	**1.3**	**2.5**	**4**	**0.75**	ND
Ethyl Benzene	0.5	**2.4**	ND	ND	**0.7**	ND	ND
Xylenes (total)	1.5	**14**	ND	ND	ND	ND	ND
Dibromofluoromethane	surr.	88%	90%	91%	92%	91%	92%
Toluene-d8	surr.	95%	97%	93%	93%	94%	93%
4-Bromofluorobenzene	surr.	9600%	92%	91%	94%	91%	92%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	2.5	1	1	1

Notes :
E - Estimated value over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/4/98
Report # : 3E027-3E028.rpt
OEL Project Number: APT 102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	6.8	68%	50%-150%
Chloroethane	0.5	ND	10	9.5	95%	50%-150%
1,1-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	9.3	93%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	9.4	94%	50%-150%
1,2-Dichloroethane	0.5	ND	10	9.8	98%	50%-150%
Trichloroethene	0.5	ND	10	9.3	93%	50%-150%
Tetrachloroethene	0.5	ND	10	9.5	95%	50%-150%
Benzene	0.5	ND	10	9.6	96%	50%-150%
Toluene	0.5	ND	10	10.3	103%	50%-150%
Ethyl Benzene	0.5	ND	10	10.2	102%	50%-150%
Xylenes (total)	0.5	ND	30	30.3	101%	50%-150%
Dibromofluoromethane	surr.	88%			91%	50%-150%
Toluene-d8	surr.	91%			93%	50%-150%
4-Bromofluorobenzene	surr.	89%			92%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/4/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/4/98**	**Client :**	**EFW**
Date analyzed :	**3/4/98**	**Project :**	**Alameda Point**
Report # :	**3E028.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-3-6-11.5	S04-3-6-11.5DUP	S04-3-6-13.5	S04-3-6-15.5	S04-3-7-13.5DUP	
Lab ID Number		122-SO4-179	122-SO4-180	122-SO4-181	122-SO4-182	122-SO4-183	
Target Compounds	RL						
Vinyl chloride	0.5	**0.73**	**0.5**	**0.81**	**2.2**	**9.7**	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	**2**	**6.3**	**1.7**	
trans-1,2-Dichloroethene	0.5	ND	ND	**4.1**	**10**	**2.4**	
cis-1,2-Dichloroethene	0.5	**8.2**	**5.6**	**35**	**68**	**65**	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	**3.9**	**17**	**31**	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	**0.6**	
Toluene	0.5	**1.3**	**0.92**	**1.7**	**0.61**	**1.1**	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	**1.5**	**1.3**	ND	ND	ND	
Dibromofluoromethane	surr.	92%	92%	91%	90%	92%	
Toluene-d8		94%	94%	94%	95%	94%	
4-Bromofluorobenzene		93%	93%	92%	94%	94%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/4/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/4/98**	**Client :**	**EFW**
Date analyzed :	**3/4/98**	**Project :**	**Alameda Point**
Report # :	**3E028.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-3-7-15.5	S04-3-7-15.5	S04-4-7-11.5	S04-3-8-11.5	S04-4-7-13.5	
Lab ID Number		122-SO4-184	122-SO4-184	122-SO4-185	122-SO4-187	122-SO4-188	
Target Compounds	RL						
Vinyl chloride	0.5	**99**	**85**	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	**14**	**13**	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	**35**	**30**	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	830 E	**960**	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	720 E	**840**	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	**0.64**	D	**3.6**	ND	ND	
Toluene	0.5	**1.3**	**5.5**	**0.87**	**1.1**	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	94%	91%	89%	91%	91%	
Toluene-d8		93%	93%	94%	94%	94%	
4-Bromofluorobenzene		94%	94%	93%	92%	93%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	10	1	1	1	

Notes :

D - Diluted
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/4/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/4/98**	**Client :**	**EFW**
Date analyzed :	**3/4/98**	**Project :**	**Alameda Point**
Report # :	**3E028.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-4-7-15.5	S04-4-7-15.5				
Lab ID Number		122-SO4-186	122-SO4-186				
Target Compounds	RL						
Vinyl chloride	0.5	**56**	**38**				
Chloroethane	0.5	ND	ND				
1,1-Dichloroethene	0.5	**3.6**	**2.5**				
trans-1,2-Dichloroethene	0.5	450 E	**420**				
cis-1,2-Dichloroethene	0.5	370 E	**350**				
1,1,1-Trichloroethane	0.5	ND	ND				
1,2-Dichloroethane	0.5	ND	ND				
Trichloroethene	0.5	**56**	**50**				
Tetrachloroethene	0.5	ND	ND				
Benzene	0.5	ND	ND				
Toluene	0.5	**1.2**	D				
Ethyl Benzene	0.5	ND	ND				
Xylenes (total)	1.5	ND	ND				
Dibromofluoromethane	surr.	93%	89%				
Toluene-d8		94%	95%				
4-Bromofluorobenzene		91%	95%				
Pentafluorobenzene	Internal Std.	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS				
2-Bromo-1-Chloropropane		PASS	PASS				
Dilution factor (DF)		1	2.5				

Notes :

D - Diluted
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/4/98
Report # : 3E027-3E028.rpt
OEL Project Number: APT102, APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	6.8	68%	50%-150%
Chloroethane	0.5	ND	10	9.5	95%	50%-150%
1,1-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	9.3	93%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	9.4	94%	50%-150%
1,2-Dichloroethane	0.5	ND	10	9.8	98%	50%-150%
Trichloroethene	0.5	ND	10	9.3	93%	50%-150%
Tetrachloroethene	0.5	ND	10	9.5	95%	50%-150%
Benzene	0.5	ND	10	9.6	96%	50%-150%
Toluene	0.5	ND	10	10.3	103%	50%-150%
Ethyl Benzene	0.5	ND	10	10.2	102%	50%-150%
Xylenes (total)	0.5	ND	30	30.3	101%	50%-150%
Dibromofluoromethane	surr.	88%			91%	50%-150%
Toluene-d8		91%			93%	50%-150%
4-Bromofluorobenzene		89%			92%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/4/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/4/98**	**Client :**	**EFW**
Date analyzed :	**3/4/98**	**Project :**	**Alameda Point**
Report # :	**3E028.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-SO4-176	Spike level	Conc.	% Recov.	QC Limits	122-SO4-199	122-SO4-180	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	9.5	95%	50%-150%	**0.73**	**0.5**	37.4%
Chloroethane	0.5	ND	10	12.1	121%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.6	106%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	11.3	113%	50%-150%	**8.2**	**5.6**	37.7%
1,1,1-Trichloroethane	0.5	ND	10	11.6	116%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	10.7	107%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	10.7	107%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
Benzene	0.5	1.3	10	12.2	109%	50%-150%	ND	ND	0.0%
Toluene	0.5	4	10	14.5	105%	50%-150%	**1.3**	**0.92**	34.2%
Ethyl Benzene	0.5	0.7	10	11.7	110%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	33.2	#REF!	50%-150%	**1.5**	**1.3**	14.3%
Dibromofluoromethane	surr.	92%			101%	50%-150%	92%	92%	
Toluene-d8		93%			95%	50%-150%	95%	94%	
4-Bromofluorobenzene		94%			91%	50%-150%	93%	93%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/5/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/5/98**	**Client :**	**EFW**
Date analyzed :	**3/5/98**	**Project :**	**Alameda Point**
Report # :	**3E029.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-3-8-13.5	S04-3-8-15.5	S04-3-8-15.5DUP			
Lab ID Number		122-S04-189	122-S04-190	122-S04-191			
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND			
Chloroethane	0.5	ND	ND	ND			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	ND	ND	ND			
cis-1,2-Dichloroethene	0.5	ND	ND	ND			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	ND	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	ND	ND	ND			
Toluene	0.5	1.5	1.6	1.1			
Ethyl Benzene	0.5	ND	ND	ND			
Xylenes (total)	1.5	ND	ND	ND			
Dibromofluoromethane	surr.	91%	90%	91%			
Toluene-d8		93%	94%	93%			
4-Bromofluorobenzene		93%	94%	93%			
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS			
1,4-Difluorobenzene		PASS	PASS	PASS			
2-Bromo-1-Chloropropane		PASS	PASS	PASS			
Dilution factor (DF)		1	1	1			

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENT LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/5/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/5/98**	**Client :**	**EFW**
Date analyzed :	**3/5/98**	**Project :**	**Alameda Point**
Report # :	**3E029.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-7-1-13.5	S05-5-2-15.5	S05-6-2-20	S05-6-3-13.5	S05-4-3-5.5	S05-4-3-7.5
Lab ID Number		122-S05-092	122-S05-093	122-S05-094	122-S05-095	122-S05-096	122-S05-097
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	**0.94**	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	**2.3**	**1.4**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	**1.1**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	**66**	**1.3**
1,2-Dichloroethane	0.5	ND	ND	ND	**0.71**	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	**3.9**	**5**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	**1.9**	ND	ND
Toluene	0.5	**0.81**	**0.84**	**1**	**1.2**	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	1.5	ND	ND	ND	ND	ND	ND
Dibromofluoromethane	surr.	92%	91%	91%	92%	91%	91%
Toluene-d8	surr.	95%	97%	93%	95%	95%	94%
4-Bromofluorobenzene	surr.	92%	94%	95%	93%	91%	91%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/5/98
Report # : 3E029.rpt
OEL Project Number: APT102, APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	50	33.8	68%	50%-150%
Chloroethane	0.5	ND	50	46.4	93%	50%-150%
1,1-Dichloroethene	0.5	ND	50	40.9	82%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	50	42.4	85%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	50	44.9	90%	50%-150%
1,1,1-Trichloroethane	0.5	ND	50	45.9	92%	50%-150%
1,2-Dichloroethane	0.5	ND	50	44.8	90%	50%-150%
Trichloroethene	0.5	ND	50	45.6	91%	50%-150%
Tetrachloroethene	0.5	ND	50	49.1	98%	50%-150%
Benzene	0.5	ND	50	44.9	90%	50%-150%
Toluene	0.5	ND	50	44.9	90%	50%-150%
Ethyl Benzene	0.5	ND	50	48.9	98%	50%-150%
Xylenes (total)	0.5	ND	150	144.7	96%	50%-150%
Dibromofluoromethane	surr.	89%			93%	50%-150%
Toluene-d8	surr.	97%			94%	50%-150%
4-Bromofluorobenzene	surr.	94%			96%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/5/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/5/98**	**Client :**	**EFW**
Date analyzed :	**3/5/98**	**Project :**	**Alameda Point**
Report # :	**3E029.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT102, APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		M.Blank	Spike level	Conc.	% Recov.	QC Limits	122-SO4-190	122-SO4-191	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	7.5	75%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.7	97%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.7	97%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	9.9	99%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	9.7	97%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	11.2	112%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.2	102%	50%-150%	1.6	1.1	37.0%
Ethyl Benzene	0.5	ND	10	10.8	108%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	32.2	107%	50%-150%	ND	ND	0.0%
Dibromofluoromethane		89%			88%	50%-150%	90%	91%	
Toluene-d8	surr.	97%			95%	50%-150%	94%	93%	
4-Bromofluorobenzene		94%			94%	50%-150%	94%	93%	
Pentafluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/6/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/6/98**	**Client :**	**EFW**
Date analyzed :	**3/6/98**	**Project :**	**Alameda Point**
Report # :	**3E030.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-3-9.5	S05-4-3-11.5	S05-3-3-13.5DUP	S05-3-3-15.5	FB-01	
Lab ID Number		122-S05-98	122-S05-99	122-S05-29	122-S05-100	122-S05-101	
Target Compounds	RL						
Vinyl chloride	0.5	ND	3.1	0.9	15	ND	
Chloroethane	0.5	ND	0.6	0.61	7.8	ND	
1,1-Dichloroethene	0.5	0.64	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	10	11	1.5	ND	ND	
cis-1,2-Dichloroethene	0.5	21	2	ND	13	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	0.63	0.94	2.1	ND	ND	
Trichloroethene	0.5	7.3	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	2.4	4.1	ND	ND	
Toluene	0.5	1	0.8	ND	1.4	ND	
Ethyl Benzene	0.5	ND	ND	0.7	1	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	91%	94%	91%	94%	94%	
Toluene-d8		94%	94%	97%	95%	94%	
4-Bromofluorobenzene		90%	91%	90%	88%	89%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/6/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/6/98**	**Client :**	**EFW**
Date analyzed :	**3/6/98**	**Project :**	**Alameda Point**
Report # :	**3E030.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		Rinsate-07	S05-2-1-9.5	S05-2-1-11.5	S05-3-2-5.5		
Lab ID Number		122-S05-102	122-S05-103	122-S05-014	122-S05-021		
Target Compounds	RL						
Vinyl chloride	0.5	ND	**3.8**	ND	ND		
Chloroethane	0.5	ND	**2.7**	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	**1.8**		
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	ND	**17**	**1.6**	**2.2**		
1,1,1-Trichloroethane	0.5	ND	**5.9**	**1.4**	**16**		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	ND	**1.3**	ND	**5.8**		
Tetrachloroethene	0.5	ND	ND	ND	**3**		
Benzene	0.5	ND	ND	ND	ND		
Toluene	0.5	ND	**1.5**	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	1.5	ND	ND	ND	ND		
Dibromofluoromethane	surr.	98%	96%	92%	96%		
Toluene-d8		95%	96%	93%	95%		
4-Bromofluorobenzene		89%	88%	63%	83%		
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	1	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/6/98
Report # : 3E030.rpt
OEL Project Number: APT 103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	7.4	74%	50%-150%
Chloroethane	0.5	ND	10	10.3	103%	50%-150%
1,1-Dichloroethene	0.5	ND	10	9.1	91%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.2	92%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	10.1	101%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	10.2	102%	50%-150%
1,2-Dichloroethane	0.5	ND	10	10.9	109%	50%-150%
Trichloroethene	0.5	ND	10	10.2	102%	50%-150%
Tetrachloroethene	0.5	ND	10	10.0	100%	50%-150%
Benzene	0.5	ND	10	10.4	104%	50%-150%
Toluene	0.5	ND	10	10.1	101%	50%-150%
Ethyl Benzene	0.5	ND	10	10.2	102%	50%-150%
Xylenes (total)	0.5	ND	30	30.3	101%	50%-150%
Dibromofluoromethane	surr.	88%			96%	50%-150%
Toluene-d8	surr.	93%			95%	50%-150%
4-Bromofluorobenzene	surr.	92%			88%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/6/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/6/98**	**Client :**	**EFW**
Date analyzed :	**3/6/98**	**Project :**	**Alameda Point**
Report # :	**3E030.rpt**	**Units :**	**µg/L**
OEL Project Number:	**Apt 103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		M. Blank	Spike level	Conc.	% Recov.	QC Limits	122-SO4-99	122-SO4-99	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	9.5	95%	50%-150%	3.1	3.4	9.2%
Chloroethane	0.5	ND	10	11.8	118%	50%-150%	0.6	0.86	35.6%
1,1-Dichloroethene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.2	102%	50%-150%	11	11	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	11.1	111%	50%-150%	2	2	0.0%
1,1,1-Trichloroethane	0.5	ND	10	11.3	113%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	11.6	116%	50%-150%	0.94	0.88	6.6%
Trichloroethene	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	10.6	106%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	11.2	112%	50%-150%	2.4	2.3	4.3%
Toluene	0.5	ND	10	10.8	108%	50%-150%	**0.8**	**0.61**	27.0%
Ethyl Benzene	0.5	ND	10	10.8	108%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	31.5	105%	50%-150%	ND	ND	0.0%
Dibromofluoromethane		88%			96%	50%-150%	94%	93%	
Toluene-d8	surr.	93%			95%	50%-150%	94%	95%	
4-Bromofluorobenzene		92%			89%	50%-150%	91%	85%	
Pentafluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-4-5.5	S05-4-4-9.5	S05-4-4-13.5	S05-4-4-15.5	S05-4-2-7.5	
Lab ID Number		122-S05-104	122-S05-105	122-S05-106	122-S05-107	122-S05-032	
Target Compounds	RL						
Vinyl chloride	0.5	ND	4.4	ND	ND	ND	
Chloroethane	0.5	43	ND	48	1.7	ND	
1,1-Dichloroethene	0.5	10	8.5	ND	0.51	ND	
trans-1,2-Dichloroethene	0.5	ND	5.1	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	16	0.5	ND	1	
1,1,1-Trichloroethane	0.5	35	ND	ND	2.2	ND	
1,2-Dichloroethane	0.5	0.55	ND	0.73	ND	ND	
Trichloroethene	0.5	1.7	8.4	ND	ND	0.96	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	0.53	3.4	ND	0.55	
Toluene	0.5	ND	ND	ND	ND	1.04	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	91%	89%	93%	96%	91%	
Toluene-d8		94%	95%	93%	94%	94%	
4-Bromofluorobenzene		94%	95%	95%	91%	94%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-2-11.5	S05-4-2-15.5	S05-5-1-5.5	S05-5-1-11.5	S05-5-1-11.5DUP	
Lab ID Number		122-S05-108	122-S05-109	122-S05-110	122-S05-111	122-S05-112	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	**0.84**	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	**1.3**	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	**0.54**	ND	ND	
1,2-Dichloroethane	0.5	**1.3**	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	**0.72**	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	**1.3**	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	94%	93%	91%	94%	94%	
Toluene-d8		93%	93%	93%	95%	94%	
4-Bromofluorobenzene		94%	90%	94%	92%	93%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-1-5.5	S05-4-1-9.5	S05-3-2-7.5	Rinsate-08	S05-3-2-11.5	S05-3-2-11.5
Lab ID Number		122-S05-113	122-S05-114	122-S05-022	122-S05-115	122-S05-23	122-S05-23
Target Compounds	RL						
Vinyl chloride	0.5	ND	**0.52**	ND	ND	**520 E**	**490**
Chloroethane	0.5	ND	**0.58**	ND	ND	**17**	**16**
1,1-Dichloroethene	0.5	**0.62**	ND	**32**	ND	**62**	**55**
trans-1,2-Dichloroethene	0.5	ND	**0.59**	ND	ND	**37**	**37**
cis-1,2-Dichloroethene	0.5	**1.2**	**0.64**	**6**	ND	**130**	**136**
1,1,1-Trichloroethane	0.5	**0.83**	**1.2**	**100**	ND	**4.8**	**4.6**
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	**7.4**	**4.5**	**24**	ND	**61**	**61**
Tetrachloroethene	0.5	ND	ND	**7.6**	ND	**2.2**	D
Benzene	0.5	ND	ND	ND	ND	**1.9**	D
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	1.5	ND	ND	ND	ND	ND	ND
Dibromofluoromethane	surr.	90%	94%	93%	93%	95%	94%
Toluene-d8	surr.	93%	94%	95%	93%	94%	95%
4-Bromofluorobenzene	surr.	94%	94%	95%	92%	94%	93%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	5

Notes :
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ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-3-2-13.5	S05-1-3-9.5	S05-1-3-11.5			
Lab ID Number		122-S05-116	122-S05-117	122-S05-118			
Target Compounds	RL						
Vinyl chloride	0.5	**180**	ND	ND			
Chloroethane	0.5	**10**	ND	ND			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	**11**	ND	ND			
cis-1,2-Dichloroethene	0.5	**3.6**	ND	ND			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	**0.75**	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	**3.7**	ND	ND			
Toluene	0.5	**0.5**	ND	ND			
Ethyl Benzene	0.5	ND	ND	ND			
Xylenes (total)	1.5	ND	ND	ND			
Dibromofluoromethane	surr.	96%	93%	94%			
Toluene-d8		94%	95%	95%			
4-Bromofluorobenzene		90%	91%	93%			
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS			
1,4-Difluorobenzene		PASS	PASS	PASS			
2-Bromo-1-Chloropropane		PASS	PASS	PASS			
Dilution factor (DF)		1	1	1			

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/9/98
Report # : 3E031.rpt
OEL Project Number: APT 103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	7.9	79%	50%-150%
Chloroethane	0.5	ND	10	10.6	106%	50%-150%
1,1-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	10.5	105%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	11.4	114%	50%-150%
1,2-Dichloroethane	0.5	ND	10	11.5	115%	50%-150%
Trichloroethene	0.5	ND	10	10.9	109%	50%-150%
Tetrachloroethene	0.5	ND	10	11.7	117%	50%-150%
Benzene	0.5	ND	10	10.8	108%	50%-150%
Toluene	0.5	ND	10	10.6	106%	50%-150%
Ethyl Benzene	0.5	ND	10	11.4	114%	50%-150%
Xylenes (total)	0.5	ND	30	33.6	112%	50%-150%
Dibromofluoromethane	surr.	90%			91%	50%-150%
Toluene-d8	surr.	93%			94%	50%-150%
4-Bromofluorobenzene	surr.	95%			94%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		SO5-5-1-11.5	Spike level	Conc.	% Recov.	QC Limits	122-S05-111	122-S05-112	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.5	85%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	9.5	95%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	11.1	111%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	12.0	120%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	11.1	111%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	11.1	111%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.6	106%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	32.1	107%	50%-150%	ND	ND	0.0%
Dibromofluoromethane	surr.	94%			93%	50%-150%	94%	94%	
Toluene-d8	surr.	95%			94%	50%-150%	95%	94%	
4-Bromofluorobenzene	surr.	92%			93%	50%-150%	92%	93%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/10/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/10/98**	**Client :**	**EFW**
Date analyzed :	**3/10/98**	**Project :**	**Alameda Point**
Report # :	**3E032.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S04-4-6-15.5	S04-4-6-15.5	S04-4-8-15.5	S04-4-8-25	S04-4-8-30	
Lab ID Number		122-S04-192	122-S04-192	122-S04-193	122-S04-194	122-S04-196	
Target Compounds	RL						
Vinyl chloride	0.5	7.8	8.6	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	820 E	1000	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	12	12	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	38	38	ND	ND	ND	
1,1,1-Trichloroethane	0.5	38	38	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	3.2	D	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	92%	95%	94%	95%	96%	
Toluene-d8		95%	94%	95%	95%	94%	
4-Bromofluorobenzene		93%	91%	89%	90%	89%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	10	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/10/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/10/98**	**Client :**	**EFW**
Date analyzed :	**3/10/98**	**Project :**	**Alameda Point**
Report # :	**3E032.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S04-2-7-15.5	S04-2-8-20	S04-2-8-20DUP	S04-2-8-30	Rinsate-15	
Lab ID Number		122-S04-197	122-S04-198	122-S04-199	122-S04-200	122-S04-201	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	93%	91%	91%	90%	91%	
Toluene-d8	surr.	94%	92%	92%	95%	93%	
4-Bromofluorobenzene	surr.	89%	89%	89%	93%	89%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
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ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/10/98
Report # : 3E032.rpt
OEL Project Number: APT 103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	7.7	77%	50%-150%
Chloroethane	0.5	ND	10	10.7	107%	50%-150%
1,1-Dichloroethene	0.5	ND	10	9.2	92%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.4	94%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	10.2	102%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	10.7	107%	50%-150%
1,2-Dichloroethane	0.5	ND	10	10.8	108%	50%-150%
Trichloroethene	0.5	ND	10	10.4	104%	50%-150%
Tetrachloroethene	0.5	ND	10	10.4	104%	50%-150%
Benzene	0.5	ND	10	10.4	104%	50%-150%
Toluene	0.5	ND	10	10.1	101%	50%-150%
Ethyl Benzene	0.5	ND	10	10.2	102%	50%-150%
Xylenes (total)	0.5	ND	30	30.0	100%	50%-150%
Dibromofluoromethane	surr.	91%			94%	50%-150%
Toluene-d8	surr.	96%			96%	50%-150%
4-Bromofluorobenzene	surr.	94%			92%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/10/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/10/98**	**Client :**	**EFW**
Date analyzed :	**3/10/98**	**Project :**	**Alameda Point**
Report # :	**3E032.rpt**	**Units :**	**µg/L**
OEL Project Number:	**Apt 103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		3E032-11	Spike level	Conc.	% Recov.	QC Limits	122-S04-198	122-S04-199	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.0	80%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	11.8	118%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	10.0	100%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	11.4	114%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	12.1	121%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	11.1	111%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	11.6	116%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	11.1	111%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	11.2	112%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	33.0	110%	50%-150%	ND	ND	0.0%
Dibromofluoromethane		91%			95%	50%-150%	93%	92%	
Toluene-d8	surr.	96%			96%	50%-150%	94%	93%	
4-Bromofluorobenzene		94%			91%	50%-150%	89%	91%	
Pentafluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/11/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/11/98**	**Client :**	**EFW**
Date analyzed :	**3/11/98**	**Project :**	**Alameda Point**
Report # :	**3E033.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-2-7-13.5	S04-3-9-20	S04-3-9-20DUP	S04-3-9-25	S04-3-9-30	
Lab ID Number		122-S04-202	122-S04-203	122-S04-204	122-S04-205	122-S04-206	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	88%	88%	87%	91%	92%	
Toluene-d8		94%	93%	93%	95%	93%	
4-Bromofluorobenzene		96%	93%	91%	91%	92%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/11/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/11/98**	**Client :**	**EFW**
Date analyzed :	**3/11/98**	**Project :**	**Alameda Point**
Report # :	**3E033.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-2-8-25	S04-4-6-11.5	S04-5-6-11.5	S04-5-6-15.5		
Lab ID Number		122-S04-207	122-S04-208	122-S04-209	122-S04-210		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND		
Chloroethane	0.5	ND	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	ND	ND	**1.3**	ND		
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	**1.4**	ND		
Trichloroethene	0.5	ND	ND	ND	**6.5**		
Tetrachloroethene	0.5	ND	ND	ND	ND		
Benzene	0.5	ND	ND	ND	ND		
Toluene	0.5	ND	ND	**0.5**	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	1.5	ND	ND	ND	ND		
Dibromofluoromethane	surr.	89%	89%	89%	90%		
Toluene-d8		93%	95%	94%	93%		
4-Bromofluorobenzene		93%	95%	93%	91%		
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	1	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/11/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/11/98**	**Client :**	**EFW**
Date analyzed :	**3/11/98**	**Project :**	**Alameda Point**
Report # :	**3E033.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 102**	**Matrix :**	**water**

Field ID Number		S04-5-7-15.5	S04-5-7-15.5	S04-4-2-11.5	Rinsate-16		
Lab ID Number		122-S04-211	122-S04-211	122-S04-213	122-S04-212		
Target Compounds	RL						
Vinyl chloride	0.5	**37**	**34**	ND	ND		
Chloroethane	0.5	ND	ND	ND	ND		
1,1-Dichloroethene	0.5	**5.3**	**5**	ND	ND		
trans-1,2-Dichloroethene	0.5	490 E	**560**	ND	ND		
cis-1,2-Dichloroethene	0.5	350 E	**400**	ND	ND		
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	**95**	**99**	ND	ND		
Tetrachloroethene	0.5	ND	ND	ND	ND		
Benzene	0.5	**1**	D	ND	ND		
Toluene	0.5	**0.84**	D	ND	**0.87**		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	1.5	ND	ND	ND	**1.7**		
Dibromofluoromethane	surr.	90%	90%	92%	89%		
Toluene-d8		93%	93%	95%	94%		
4-Bromofluorobenzene		93%	95%	89%	94%		
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	5	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/11/98
Report # : 3E033.rpt
OEL Project Number: APT102

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	7.1	71%	50%-150%
Chloroethane	0.5	ND	10	9.6	96%	50%-150%
1,1-Dichloroethene	0.5	ND	10	9.1	91%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.3	93%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	10.0	100%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	10.2	102%	50%-150%
1,2-Dichloroethane	0.5	ND	10	10.6	106%	50%-150%
Trichloroethene	0.5	ND	10	10.8	108%	50%-150%
Tetrachloroethene	0.5	ND	10	12.2	122%	50%-150%
Benzene	0.5	ND	10	10.5	105%	50%-150%
Toluene	0.5	ND	10	10.5	105%	50%-150%
Ethyl Benzene	0.5	ND	10	11.6	116%	50%-150%
Xylenes (total)	0.5	ND	30	34.5	115%	50%-150%
Dibromofluoromethane	surr.	88%			88%	50%-150%
Toluene-d8		93%			94%	50%-150%
4-Bromofluorobenzene		96%			97%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/11/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/11/98**	**Client :**	**EFW**
Date analyzed :	**3/11/98**	**Project :**	**Alameda Point**
Report # :	**3E033.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		S04-2-7-13.5	Spike level	Conc.	% Recov.	QC Limits	122-S04-203	122-S04-204	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.0	80%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.4	94%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	10.4	104%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	11.3	113%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	12.4	124%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	11.8	118%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	35.4	118%	50%-150%	ND	ND	0.0%
Dibromofluoromethane	surr.	88%				50%-150%	88%	87%	
Toluene-d8		93%				50%-150%	93%	93%	
4-Bromofluorobenzene		96%				50%-150%	93%	91%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/12/98**	**Client :**	**EFW**
Date analyzed :	**3/12/98**	**Project :**	**Alameda Point**
Report # :	**3E034.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		S04-4-2-20Du	S04-4-2-20				
Lab ID Number		122-S04-215	122-S04-214				
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND				
Chloroethane	0.5	ND	ND				
1,1-Dichloroethene	0.5	ND	ND				
trans-1,2-Dichloroethene	0.5	ND	ND				
cis-1,2-Dichloroethene	0.5	ND	ND				
1,1,1-Trichloroethane	0.5	ND	ND				
1,2-Dichloroethane	0.5	ND	ND				
Trichloroethene	0.5	ND	ND				
Tetrachloroethene	0.5	ND	ND				
Benzene	0.5	ND	ND				
Toluene	0.5	ND	ND				
Ethyl Benzene	0.5	ND	ND				
Xylenes (total)	1.5	ND	ND				
Dibromofluoromethane	surr.	92%	92%				
Toluene-d8		95%	94%				
4-Bromofluorobenzene		93%	91%				
Pentafluorobenzene	Internal Std.	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS				
2-Bromo-1-Chloropropane		PASS	PASS				
Dilution factor (DF)		1	1				

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/12/98**	**Client :**	**EFW**
Date analyzed :	**3/12/98**	**Project :**	**Alameda Point**
Report # :	**3E034.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-5-3-5.5	S05-5-3-7.5	S05-5-3-9.5	S05-5-3-11.5		
Lab ID Number		122-S05-119	122-S05-120	122-S05-121	122-S05-122		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	**0.8**	**190**	**190**	
Chloroethane	0.5	ND	ND	**32**	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	**1.3**	D	
trans-1,2-Dichloroethene	0.5	ND	ND	**2.4**	**10**	**10**	
cis-1,2-Dichloroethene	0.5	**1.2**	**0.84**	**1.1**	650 E	**820**	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	**2.6**	ND	ND	
Trichloroethene	0.5	**1.2**	ND	**0.7**	**1.5**	D	
Tetrachloroethene	0.5	**0.61**	ND	ND	ND	ND	
Benzene	0.5	ND	**0.7**	**2.5**	**9.8**	**9.7**	
Toluene	0.5	ND	ND	**0.6**	**5.7**	**6.1**	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	91%	92%	94%	93%	97%	
Toluene-d8		95%	95%	94%	95%	95%	
4-Bromofluorobenzene		91%	92%	95%	93%	90%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	5	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, Inc.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/12/98**	**Client :**	**EFW**
Date analyzed :	**3/12/98**	**Project :**	**Alameda Point**
Report # :	**3E034.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-5-3-11.5dup		S05-5-3-13.5	S05-5-3-15.5	S05-2-4-13.5	
Lab ID Number		122-S05-123		122-S05-124	122-S05-125	122-S05-126	
Target Compounds	RL						
Vinyl chloride	0.5	**110**	**100**	**20**	**11**	**8.9**	
Chloroethane	0.5	ND	ND	ND	ND	**14**	
1,1-Dichloroethene	0.5	**0.83**	D	ND	**2.8**	ND	
trans-1,2-Dichloroethene	0.5	**7.5**	**6.6**	**62**	**7.7**	ND	
cis-1,2-Dichloroethene	0.5	600 E	**670**	ND	**64**	**6.8**	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	**1.5**	D	ND	**77**	ND	
Tetrachloroethene	0.5	ND	ND	ND	**72**	ND	
Benzene	0.5	**7.5**	**7.2**	**3.8**	ND	ND	
Toluene	0.5	**4.5**	**4.8**	**0.76**	**1.2**	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	96%	96%	95%	94%	94%	
Toluene-d8		95%	96%	95%	95%	96%	
4-Bromofluorobenzene		91%	89%	91%	92%	91%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	5	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/12/98
Report # : 3E034.rpt
OEL Project Number: APT102, APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	8.3	83%	50%-150%
Chloroethane	0.5	ND	10	9.8	98%	50%-150%
1,1-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	8.8	88%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	9.5	95%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	9.7	97%	50%-150%
1,2-Dichloroethane	0.5	ND	10	10.2	102%	50%-150%
Trichloroethene	0.5	ND	10	9.9	99%	50%-150%
Tetrachloroethene	0.5	ND	10	10.5	105%	50%-150%
Benzene	0.5	ND	10	10.1	101%	50%-150%
Toluene	0.5	ND	10	9.8	98%	50%-150%
Ethyl Benzene	0.5	ND	10	10.4	104%	50%-150%
Xylenes (total)	0.5	ND	30	31.0	103%	50%-150%
Dibromofluoromethane	surr.	89%			91%	50%-150%
Toluene-d8	surr.	95%			96%	50%-150%
4-Bromofluorobenzene	surr.	92%			94%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/12/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/12/98**	**Client :**	**EFW**
Date analyzed :	**3/12/98**	**Project :**	**Alameda Point**
Report # :	**3E034.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		S04-4-2-20	Spike level	Conc.	% Recov.	QC Limits	122-S04-215	122-S04-214	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	7.7	77%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	9.2	92%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.9	99%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	10.3	103%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.6	106%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.3	103%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	10.8	108%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	31.2	104%	50%-150%	ND	ND	0.0%
Dibromofluoromethane	surr.	92%			92%	50%-150%	92%	92%	
Toluene-d8		94%			99%	50%-150%	95%	94%	
4-Bromofluorobenzene		91%			92%	50%-150%	93%	91%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 3/13/98
Date received : 3/13/98
Date analyzed : 3/13/98
Report # : 3E036.rpt
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		S05-3-2-5.5dup	S05-3-2-5.5dup	S05-3-2-15.5	S05-3-2-20	S05-4-3-13.5	S05-4-3-25	
Lab ID Number		122-S05-21	122-S05-21RE	122-S05-24	122-S05-127	122-S05-128	122-S05-40	
Target Compounds	RL							
Vinyl chloride	0.5	**1.8**	ND	ND	ND	**1.5**	ND	
Chloroethane	0.5	**1.2**	ND	ND	**0.5**	**0.6**	ND	
1,1-Dichloroethene	0.5	**94**	**73**	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	**7.1**	ND	
cis-1,2-Dichloroethene	0.5	**9**	**7.6**	ND	ND	**1.1**	ND	
1,1,1-Trichloroethane	0.5	**230 E**	**200**	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	**0.6**	ND	ND	ND	**1.2**	ND	
Trichloroethene	0.5	**36**	**31**	ND	ND	ND	ND	
Tetrachloroethene	0.5	**10**	**5.1**	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	**3.0**	ND	
Toluene	0.5	ND	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	94%	93%	97%	95%	96%	96%	
Toluene-d8	surr.	94%	96%	95%	95%	95%	95%	
4-Bromofluorobenzene	surr.	89%	91%	91%	90%	91%	89%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	5	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 50% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/13/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/13/98**	**Client :**	**EFW**
Date analyzed :	**3/13/98**	**Project :**	**Alameda Point**
Report # :	**3E036.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-4-3-30	S05-4-3-30dup	S05-4-4-25	S05-6-1-20	Rinsate-09	
Lab ID Number		122-S05-129	122-S05-130	122-S05-131	122-S05-133	122-S05-134	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	1.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	96%	95%	95%	97%	93%	
Toluene-d8		95%	94%	98%	95%	94%	
4-Bromofluorobenzene		92%	90%	88%	89%	90%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/13/98
Report # : 3E036.rpt
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	8.2	82%	50%-150%
Chloroethane	0.5	ND	10	10.5	105%	50%-150%
1,1-Dichloroethene	0.5	ND	10	9.4	94%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.5	95%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	10.0	100%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	10.4	104%	50%-150%
1,2-Dichloroethane	0.5	ND	10	11.1	111%	50%-150%
Trichloroethene	0.5	ND	10	10.4	104%	50%-150%
Tetrachloroethene	0.5	ND	10	10.5	105%	50%-150%
Benzene	0.5	ND	10	10.7	107%	50%-150%
Toluene	0.5	ND	10	10.2	102%	50%-150%
Ethyl Benzene	0.5	ND	10	10.6	106%	50%-150%
Xylenes (total)	0.5	ND	30	30.4	101%	50%-150%
Dibromofluoromethane	surr.	92%			94%	50%-150%
Toluene-d8	surr.	93%			96%	50%-150%
4-Bromofluorobenzene	surr.	92%			90%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/13/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/13/98**	**Client :**	**EFW**
Date analyzed :	**3/13/98**	**Project :**	**Alameda Point**
Report # :	**3E036.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		122-SO5-24	Spike level	Conc.	% Recov.	QC Limits	122-S05-129	122-S05-130	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	8.2	82%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	11.7	117%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	9.5	95%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	10.4	104%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	10.8	108%	50%-150%	ND	ND	0.0
1,2-Dichloroethane	0.5	ND	10	10.9	109%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	10.3	103%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	9.9	99%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	10.7	107%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	10.5	105%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	30.4	101%	50%-150%	ND	ND	0.0%
Dibromofluoromethane	surr.	97%			96%	50%-150%	96%	95%	
Toluene-d8		95%			94%	50%-150%	95%	94%	
4-Bromofluorobenzene		91%			93%	50%-150%	92%	90%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene		PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-4-4-30	S05-4-4-30DUP	S05-5-4-5.5	S05-5-4-7.5	S05-5-4-9.5	
Lab ID Number		122-S05-135	122-S05-136	122-S05-137	122-S05-138	122-S05-139	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	1.8	39	21	
Chloroethane	0.5	ND	ND	4.8	ND	50	
1,1-Dichloroethene	0.5	ND	ND	46	150	57	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	2.4	5.1	
cis-1,2-Dichloroethene	0.5	ND	ND	1.6	10	7.6	
1,1,1-Trichloroethane	0.5	ND	ND	18	0.73	4.3	
1,2-Dichloroethane	0.5	ND	ND	4.5	26	16	
Trichloroethene	0.5	ND	ND	8.1	27	7.8	
Tetrachloroethene	0.5	ND	ND	ND	1.6	ND	
Benzene	0.5	ND	ND	ND	ND	0.93	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	92%	94%	95%	94%	96%	
Toluene-d8	surr.	94%	95%	94%	96%	94%	
4-Bromofluorobenzene	surr.	94%	91%	92%	93%	92%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, Inc.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-5-4-13.5	S05-5-4-15.5	S05-3-4-5.5	S05-3-4-7.5	S05-3-4-7.5	
Lab ID Number		122-S05-140	122-S05-141	122-S05-142	122-S05-143	122-S05-143	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	4.5	12	11	
Chloroethane	0.5	ND	ND	22	310 E	290	
1,1-Dichloroethene	0.5	ND	ND	1.1	0.6	D	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	1.5	1.6	
cis-1,2-Dichloroethene	0.5	ND	ND	28	28	27	
1,1,1-Trichloroethane	0.5	ND	ND	4.3	ND	1.9	
1,2-Dichloroethane	0.5	ND	ND	ND	0.7	D	
Trichloroethene	0.5	ND	ND	4.3	0.6	D	
Tetrachloroethene	0.5	ND	ND	1.9	ND	ND	
Benzene	0.5	1.5	ND	0.78	2.0	2.1	
Toluene	0.5	ND	ND	10	45	43	
Ethyl Benzene	0.5	ND	ND	51	62	62	
Xylenes (total)	0.5	ND	ND	92	330	240	
Dibromofluoromethane	surr.	92%	92%	93%	89%	91%	
Toluene-d8		93%	94%	95%	95%	94%	
4-Bromofluorobenzene		94%	93%	92%	95%	99%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	2.5	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 3/16/98
Date received : 3/16/98
Date analyzed : 3/16/98
Report # : 3E037.rpt
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		S05-3-4-11.5	S05-3-4-11.5	S05-3-4-15.5	S05-6-4-7.5	S05-5-3-20	S05-5-3-20DUP
Lab ID Number		122-S05-144	122-S05-144	122-S05-145	122-S05-146	122-S05-147	122-S05-148
Target Compounds	RL						
Vinyl chloride	0.5	**1.5**	D	ND	**1.9**	**2.2**	**2.3**
Chloroethane	0.5	620 E	**1100**	**1.9**	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	**17**	**17**	ND	**1.4**	**2.6**	**2.3**
cis-1,2-Dichloroethene	0.5	**0.83**	D	ND	**1.0**	**17**	**14**
1,1,1-Trichloroethane	0.5	ND	2	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	**0.56**	D	ND	**0.72**	**13**	**9.3**
Tetrachloroethene	0.5	ND	ND	ND	ND	**14**	**9.1**
Benzene	0.5	**7.0**	**6.5**	ND	**0.65**	ND	ND
Toluene	0.5	**2.9**	**5.2**	ND	ND	ND	ND
Ethyl Benzene	0.5	**4.1**	**5.2**	ND	ND	ND	ND
Xylenes (total)	0.5	**15**	**11**	ND	ND	ND	ND
Dibromofluoromethane	surr.	90%	90%	89%	87%	89%	89%
Toluene-d8	surr.	95%	94%	94%	95%	93%	93%
4-Bromofluorobenzene	surr.	95%	89%	96%	96%	94%	96%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	5	1	1	1	1

Notes :
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ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, Inc.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**EFW/Alameda**	**Matrix :**	**water**

Field ID Number		S05-3-4-15.5	S05-6-4-7.5	S05-5-3-20	S05-5-3-20		
Lab ID Number		122-S05-145	122-S05-146	122-S05-147	122-S05-148		
Target Compounds	RL						
Vinyl chloride	0.5	ND	1.9	2.2	2.3		
Chloroethane	0.5	1.9	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	ND	1.4	2.6	2.3		
cis-1,2-Dichloroethene	0.5	ND	1.0	17	14		
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	ND	0.72	13	9.3		
Tetrachloroethene	0.5	ND	ND	14	9.1		
Benzene	0.5	ND	0.65	ND	ND		
Toluene	0.5	ND	ND	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	0.5	ND	ND	ND	ND		
Dibromofluoromethane	surr.	89%	87%	89%	89%		
Toluene-d8		94%	95%	93%	93%		
4-Bromofluorobenzene		96%	96%	94%	96%		
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	1	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/16/98
Report # : 3E037.rpt
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	7.6	76%	50%-150%
Chloroethane	0.5	ND	10	9.1	91%	50%-150%
1,1-Dichloroethene	0.5	ND	10	8.2	82%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	8.2	82%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	9.4	94%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	9.4	94%	50%-150%
1,2-Dichloroethane	0.5	ND	10	10.4	104%	50%-150%
Trichloroethene	0.5	ND	10	9.8	98%	50%-150%
Tetrachloroethene	0.5	ND	10	9.9	99%	50%-150%
Benzene	0.5	ND	10	9.9	99%	50%-150%
Toluene	0.5	ND	10	9.7	97%	50%-150%
Ethyl Benzene	0.5	ND	10	10.1	101%	50%-150%
Xylenes (total)	0.5	ND	30	29.7	99%	50%-150%
Dibromofluoromethane	surr.	90%			91%	50%-150%
Toluene-d8		96%			95%	50%-150%
4-Bromofluorobenzene		94%			91%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene		PASS			PASS	30%-200%
2-Bromo-1-Chloropropane		PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
		S05-4-4-30	Spike level	Conc.	% Recov.	QC Limits	122-S05-135	122-S05-136	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	6.4	64%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.0	90%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	8.2	82%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.4	94%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	9.4	94%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	10.6	106%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	11.0	110%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.1	101%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	10.2	102%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	30.5	102%	50%-150%	ND	ND	0.0%
Dibromofluoromethane	surr.	92%			90%	50%-150%	92%	94%	
Toluene-d8	surr.	94%			94%	50%-150%	94%	95%	
4-Bromofluorobenzene	surr.	94%			93%	50%-150%	94%	91%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT102**	**Matrix :**	**water**

Field ID Number		S04-5-7-13.5					
Lab ID Number		122-S04-216					
Target Compounds	RL						
Vinyl chloride	0.5	**1.5**					
Chloroethane	0.5	ND					
1,1-Dichloroethene	0.5	ND					
trans-1,2-Dichloroethene	0.5	**8.0**					
cis-1,2-Dichloroethene	0.5	**25**					
1,1,1-Trichloroethane	0.5	ND					
1,2-Dichloroethane	0.5	ND					
Trichloroethene	0.5	ND					
Tetrachloroethene	0.5	ND					
Benzene	0.5	ND					
Toluene	0.5	ND					
Ethyl Benzene	0.5	ND					
Xylenes (total)	0.5	ND					
Dibromofluoromethane	surr.	90%					
Toluene-d8		95%					
4-Bromofluorobenzene		95%					
Pentafluorobenzene	Internal Std.	PASS					
1,4-Difluorobenzene		PASS					
2-Bromo-1-Chloropropane		PASS					
Dilution factor (DF)		1					

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	3/17/98	**Project Mgr :**	Robert Langdon
Date received :	3/17/98	**Client :**	EFW
Date analyzed :	3/17/98	**Project :**	Alameda Point
Report # :	3E039.rpt	**Units :**	µg/L
OEL Project Number:	APT103	**Matrix :**	water

Field ID Number		S05-5-2-11.5	S05-5-2-13.5	S05-6-3-15.5	S05-7-4-5.5	S05-7-4-5.5DUP	
Lab ID Number		122-S05-149	122-S05-150	122-S05-151	122-S05-152	122-S05-153	
Target Compounds	RL						
Vinyl chloride	0.5	**3.6**	**1.0**	ND	ND	ND	
Chloroethane	0.5	ND	**0.90**	ND	ND	ND	
1,1-Dichloroethene	0.5	**0.67**	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	**3.4**	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	**6.0**	**9.8**	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	**11**	ND	ND	ND	
1,2-Dichloroethane	0.5	**2.7**	ND	ND	ND	ND	
Trichloroethene	0.5	**0.77**	**18**	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	**1.6**	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	88%	90%	97%	87%	89%	
Toluene-d8		95%	93%	92%	95%	94%	
4-Bromofluorobenzene		95%	87%	92%	97%	95%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - *Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample*
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-3-5-5.5	Rinsate-10	S05-3-5-7.5	S05-3-5-11.5	S05-3-5-13.5	
Lab ID Number		122-S05-154	122-S05-155	122-S05-156	122-S05-157	122-S05-158	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	**0.68**	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	**0.63**	ND	ND	
cis-1,2-Dichloroethene	0.5	**9.7**	ND	**4.5**	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	**1.9**	**0.56**	ND	
Trichloroethene	0.5	**1.3**	ND	**1.2**	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	**0.53**	ND	ND	
Toluene	0.5	2	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	89%	89%	89%	89%	89%	
Toluene-d8		96%	94%	94%	95%	95%	
4-Bromofluorobenzene		98%	95%	96%	97%	94%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Field ID Number		S05-3-5-13.5Dup	S05-3-4-9.5	S05-3-4-9.5			
Lab ID Number		122-S05-159	122-S05-160	122-S05-160			
Target Compounds	RL						
Vinyl chloride	0.5	ND	**1.7**	D			
Chloroethane	0.5	ND	650 E	**840**			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	ND	**5.5**	**4.3**			
cis-1,2-Dichloroethene	0.5	ND	**2.5**	**2.8**			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	ND	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	ND	**2.2**	**2.7**			
Toluene	0.5	ND	**9.5**	**11**			
Ethyl Benzene	0.5	ND	**21**	**20**			
Xylenes (total)	0.5	ND	**45**	**45**			
Dibromofluoromethane		89%	88%	89%			
Toluene-d8	surr.	94%	93%	95%			
4-Bromofluorobenzene		93%	96%	97%			
Pentafluorobenzene		PASS	PASS	PASS			
1,4-Difluorobenzene	Internal	PASS	PASS	PASS			
2-Bromo-1-Chloropropane	Std.	PASS	PASS	PASS			
Dilution factor (DF)		1	1	5			

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

3/25/98
Date

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LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/17/98
Report # : 3E039.rpt
OEL Project Number: APT103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		M.Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND	10	8.2	82%	50%-150%
Chloroethane	0.5	ND	10	10.6	106%	50%-150%
1,1-Dichloroethene	0.5	ND	10	9.8	98%	50%-150%
trans-1,2-Dichloroethene	0.5	ND	10	9.8	98%	50%-150%
cis-1,2-Dichloroethene	0.5	ND	10	10.8	108%	50%-150%
1,1,1-Trichloroethane	0.5	ND	10	10.6	106%	50%-150%
1,2-Dichloroethane	0.5	ND	10	11.1	111%	50%-150%
Trichloroethene	0.5	ND	10	11.0	110%	50%-150%
Tetrachloroethene	0.5	ND	10	11.6	116%	50%-150%
Benzene	0.5	ND	10	11.0	110%	50%-150%
Toluene	0.5	ND	10	11.0	110%	50%-150%
Ethyl Benzene	0.5	ND	10	11.4	114%	50%-150%
Xylenes (total)	0.5	ND	30	33.5	112%	50%-150%
Dibromofluoromethane	surr.	88%			91%	50%-150%
Toluene-d8	surr.	95%			94%	50%-150%
4-Bromofluorobenzene	surr.	92%			90%	50%-150%
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT103**	**Matrix :**	**water**

Lab ID Number		S05-7-4-5.5	Matrix Spike				SAMPLE	DUP	RPD
			Spike level	Conc.	% Recov.	QC Limits	122-S05-152	122-S05-153	%
Target Compounds	RL								
Vinyl chloride	0.5	ND	10	6.6	66%	50%-150%	ND	ND	0.0%
Chloroethane	0.5	ND	10	9.4	94%	50%-150%	ND	ND	0.0%
1,1-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
trans-1,2-Dichloroethene	0.5	ND	10	8.7	87%	50%-150%	ND	ND	0.0%
cis-1,2-Dichloroethene	0.5	ND	10	9.6	96%	50%-150%	ND	ND	0.0%
1,1,1-Trichloroethane	0.5	ND	10	9.4	94%	50%-150%	ND	ND	0.0%
1,2-Dichloroethane	0.5	ND	10	8.9	89%	50%-150%	ND	ND	0.0%
Trichloroethene	0.5	ND	10	10.0	100%	50%-150%	ND	ND	0.0%
Tetrachloroethene	0.5	ND	10	12.2	122%	50%-150%	ND	ND	0.0%
Benzene	0.5	ND	10	9.8	98%	50%-150%	ND	ND	0.0%
Toluene	0.5	ND	10	10.4	104%	50%-150%	ND	ND	0.0%
Ethyl Benzene	0.5	ND	10	11.7	117%	50%-150%	ND	ND	0.0%
Xylenes (total)	0.5	ND	30	34.7	116%	50%-150%	ND	ND	0.0%
Dibromofluoromethane	surr.	87%			85%	50%-150%	87%	89%	
Toluene-d8	surr.	95%			93%	50%-150%	95%	94%	
4-Bromofluorobenzene	surr.	97%			98%	50%-150%	97%	95%	
Pentafluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
1,4-Difluorobenzene	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
2-Bromo-1-Chloropropane	Internal Std.	PASS			PASS	30%-200%	PASS	PASS	
Dilution factor (DF)		1			1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

3/25/98
Date

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD
City, State ZIP	PALO ALTO, CA 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/2/98
Page:	1 of 1
Laboratory:	#3
Lab Number:	3E026

Project Name:	Site 4
Project Number:	APT 102

~~P.O. No.:~~	

Analysis Requested

	Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	LAB ID ~~Remarks~~
3E026-01	SO4-2-5-11.5	3/2/98	10:00	H_2O	RL	15:00	FR	~~122-SO4-168~~				X					2	122-SO4-168
02	SO4-2-5-15.5		13:05			↓	↓					X					2	122-SO4-170
03	FB-04		13:50									X					2	122-SO4-171
04	Rinsate-14		14:20									X					2	122-SO4-172

Initials:	Printed Name:	Signature:		
RL	ROBERT LANGDON	[signature]	Date: 3/2/98	
FR	Flavio Rivera/ONSITE	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	8 VOA
Received Intact:	Yes
Received Cold:	✓
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBBRT LANGDON
Client Name:	BFW
Address:	2650 E. BAYSHORE RD
City, State ZIP	PALO ALTO, CA
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	Same
City, State ZIP	
Phone:	
Fax:	

Date:	3/3/96
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Name:	Site 4
Project Number:	APT102

P.O. No.:	

Analysis Requested

	Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)						No. Containers	Remarks
E021-01	122 S04-2-6-11.5	3/3/96	0800	H_2O	RL	16:30	FR					X	X				1	122-S04-174
02	S04-2-6-13.5		0830	↓	↓	↓	↓					X	X				1	122-S04-175
03	S04-2-6-15.5		0953									X	X				2	122-S04-175
04	~~S04~~ FB-05		1000									X	X				2	122-S04-176
05	S04-3-7-11.5		1330									X	X				2	122-S04-177
06	S04-3-7-13.5		1540	↓	↓	↓	↓					X					1	122-S04-178

Initials:	Printed Name:	Signature:		
RL	ROBBRT LANGDON	[signature]	Date:	3/3/96
FR	Flaviano Rivera	[signature]	Start Time:	0800
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY REC( ) AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 B. BAYSHORE RD
City, State ZIP	PALO ALTO, CA
Phone:	650 - 843 - 3828
Fax:	3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/4/98
Page:	1 of
Laboratory:	#3
Lab Number:	3E028

Project Name:	ALAMEDA TST SITE 4
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	LAB ID ~~Remarks~~
S04-3-6-11.5	3/4/98	0745	H_2O	RL		FR	3E028-01				X					1	122-S04-179
S04-3-6-11.5 DUP		"					02				X					1	122-S04-180
S04-3-6-13.5		0800					03				X					2	122-S04-181
S04-3-6-15.5		0810					04				X					2	122-S04-182
S04-3-7-13.5 DUP		0845					05				X					2	122-S04-183
S04-3-7-15.5		1000					06				X					2	122-S04-184
S04-4-7-11.5		1115					07				X					2	122-S04-185
S04-4-7-15.5		1230					08				X					2	122-S04-186
S04-3-8-11.5		1347					09				X					2	122-S04-187
S04-4-7-13.5		1520					10				X					2	122-S04-188

Initials:	Printed Name:	Signature:		
RL	ROBERT LANGDON		Date:	3/4/98
FR	Flaviano Rivera		~~Start Time:~~	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT B LANGDON
Client Name:	EFW
Address:	2050 E. BAYSHORE RD
City, State ZIP	PALO ALTO, CA
Phone:	650-843-3828
Fax:	15

Bill to:	
Company:	
Address:	
City, State ZIP	Same
Phone:	
Fax:	

Date:	3/5/98
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA PT. site 5
Project Number:	APT103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)		5260				No. Containers	LAB ID ~~Remarks~~
S05-7-1-13.5	3/5/98	1000	H_2O	RL		FR	3E029-04					X				2	~~[illegible]~~ 122-505-0[illegible]
S05-5-2-15.5		1145				↓	05					X				1	122-505-093
S05-6-2-20		1240				↓	06					X				2	122-505-94
S05-6-3-13.5		1350				↓	07					X				2	122-505-95
S05-4-3-5.5		1540				↓	08					X				2	122-505-96
S05-4-3-7.5		1630				↓	09					X				2	122-505-97

Initials:	Printed Name:	Signature:		
RL	ROBERT LANGDON	[signature]	Date: 3/5/98	
FR	Fluviano Rivera		Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECO AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE
City, State ZIP	PALO ALTO, CA
Phone:	650 843-3828
Fax:	15

Bill to:	
Company:	
Address:	
City, State ZIP	same
Phone:	
Fax:	

Date:	3/5/98
Page:	1 of
Laboratory:	#3
Lab Number:	3E029

Project Name:	Alameda Pt. Site 4
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)		8260A				No. Containers	LAB ID ~~Remarks~~
S04-3-8-13.5	3/5/98	0742	H_2O	RL		FR	3E029-01					X				2	122-S04-189
S04-3-8-15.5		0745				↓	↓ 02					X				1	122-S04-190
S04-3-8-15.5-DUP		0745				↓	↓ 03					X				1	122-S04-191

Initials:	Printed Name:	Signature:		
RL	Robert Langdon		Date: 3/5/98	
FR	Floriano Rivera		Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	BFW
Address:	2650 B. BAYSHORE
City, State ZIP	PALO ALTO, CA
Phone:	650-843-3828
Fax:	15

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date: 3/6/98	
Page:	of
Laboratory:	
Lab Number:	

Project Name:	Alameda Pt. Sites
Project Number:	APT103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	82604					No. Containers	LAB ID ~~Remarks~~
S05-4-3-9.5	3/6	0800	H2O	RL		FR	E030-01									2	122-S05-98
S05-4-3-11.5		0822					02									2	122-S05-99
S05-3-3-13.5	DUPLICATE	1144					03									2	122-S05-29
S05-3-3-15.5		1210					04									2	122-S05-100
FB-01		1239					05									1	122-S05-101
Rinsate-07		1240					06									1	122-S05-102
S05-2-1-9.5		1245					07									1	122-S05-103
S05-2-1-11.5		1330					08									1	122-S05-014
S05-3-2-5.5		1435					09									2	122-S05-021

Initials:	Printed Name:	Signature:		
RL	Robert LANGDON	[signature]	Date: 3/6/98	
FR	Flaviano Rivera	Flaviano Rivera	Start Time: 0830	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT B. LANGDON
Client Name:	BFW
Address:	2650 B. BAYSHORE RD
City, State ZIP	PALO ALTO CA
Phone:	650-843-3828
Fax:	15

Bill to:	
Company:	
Address:	same
City, State ZIP	
Phone:	
Fax:	

Date:	3/9/98
Page:	1 of 2
Laboratory:	#3
Lab Number:	3E031

Project Name:	ALAMEDA PT SITES
Project Number:	APT 103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	~~Remarks~~
SOS-4-4-5.5	3/9/98	0815	H_2O	RL		FR	3E031-01				X					1	122-SOS-104
SOS-4-4-9.5		0840					02				X					2	122-SOS-105
SOS-4-4-13.5		0900					03				X					2	122-SOS-106
SOS-4-4-15.5		0930					04				X					2	122-SOS-107
SOS-4-2-7.5		1000					05				X					1	122-SOS-032
SOS-4-2-11.5		1020					06				X					2	122-SOS-108
SOS-4-2-15.5		1044					07				X					2	122-SOS-109
SOS-5-1-5.5		1144					08				X					2	122-SOS-110
SOS-5-1-11.5		1207					09				X					1	122-SOS-111
SOS-5-1-11.5-DUP		1207					10				X					1	122-SOS-112
SOS-4-1-5.5		1323					11				X					2	122-SOS-113
SOS-4-1-9.5		1335					12				X					2	122-SOS-114
SOS-3-2-7.5		1423					13				X					2	122-SOS-022
~~SOS~~ Rinsate-08		1438					14				X					1	122-SOS-[illegible]

Initials:	Printed Name:	Signature:		
RL	Robert Langdon	[signature]	Date: 3/9/98	
FR	Flaviano Rivera	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT E LANGDON
Client Name:	BFW
Address:	2650 B. BAYSHORE RD
City, State ZIP	PALO ALTO CA 94303
Phone:	650-843-3828
Fax:	15

Bill to:	same
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/9/98
Page:	2 of 2
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA Pt. Site 5
Project Number:	APT103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A					No. Containers	Remarks
SOS-3-2-11.5	3/9/98	1448	H_2O	RL		FR	3E0311-15				X					2	122-SOS-23
SOS-3-2-13.5	↓	1500	↓	↓		↓	16				X					2	122-SOS-116
SOS-1-3-9.5		1540					17				X					2	122-SOS-117
SOS-1-3-11.5	↓	1552	↓	↓		↓	18				X					2	122-SOS-118

Initials:	Printed Name:	Signature:		
RL	ROBERT E LANGDON	[signature]	Date: 3/9/98	
FR	Flaviano Rivera	Flaviano Rivera	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECO[illegible] AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

Date:	3/10/98
Page:	1 of
Laboratory:	#3
Lab Number:	3E032

Project Manager:	ROBERT E. LAWDON
Client Name:	EFW
Address:	2650 B. BAYSHORE RD
City, State ZIP	PALO ALTO CA 94303
Phone:	650 - 843 - 5828
Fax:	15

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Project Name:	ALAMBDA RT SITES
Project Number:	ALJT103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260					No. Containers	Remarks
Site 4																	
S04-4-6-15.5	3/10/98	840	H_2O	RL		FR	3E032-01				X					2	122-S04-15.5
S04-4-8-15.5		930					02				X					2	122-S04-15.5
S04-4-8-25		1013					03				X					2	122-S04-194
S04-4-8-30		1100					04				X					2	122-S04-196
S04-2-7-15.5		1320		MRW			05				X					2	122-S04-197
S04-2-8-20		1420		NB			06				X					1/2	122-S04-198
S04-2-8-20-Dup		1420		NB			07				X					1/2	122-S04-199
S04-2-8-30		1545		NB			08				X					2	122-S04-200
RINSATE-15		1600		NB			09				X					1	122-S04-201

Initials:	Printed Name:	Signature:	Date:	3/10/98
RL	ROBERT E. LAWDON	[signature]	Start Time:	
FR	Flaviano Rivera	[signature]	Stop Time:	
NB	NICK BRYSON	[signature]	Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA 94303
Phone:	650-843-3828
Fax:	650-843-3829

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date: 3/11/98	
Page: 1	of
Laboratory:	#3
Lab Number:	3E033

Project Name:	ALAMEDA Pt Site
Project Number:	APT102

P.O. No.:	

Analysis Requested

SITE 4

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (Acids)					No. Containers	Remarks
S04-2-7-13.5	3/11/98	0750	H2O	NB	0900	FR	3E033-01				X					1	122-S04-202
S04-3-9-20		0915			1037		02				X					1	122-S04-203
S04-3-9-20-DUP		0915					03				X					1	122-S04-204
S04-3-9-25		0945					04				X					2	122-S04-205
S04-3-9-30		1020					05				X					2	122-S04-206
S04-2-8-25		1135			1239		06				X					2	122-S04-207
S04-4-6-11.5		1250			1525		07				X					2	122-S04-208
S04-5-6-11.5		1340					08				X					2	122-S04-209
S04-5-6-15.5		1405					09				X					2	122-S04-210
S04-5-7-15.5		1500					10				X					2	122-S04-211
S04-4-2-11.5		1545			1600		11				X					2	122-S04-213
RINSATE-16		1530					12				X					1	122-S04-212

Initials:	Printed Name:	Signature:	Date:	3/11/98
NB	NKK BRYSON	[signature]	Start Time:	
FR	FLAVIANO RIVERA	[signature]	Stop Time:	
			Hours:	
			ent Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/12/98
Page:	of
Laboratory:	#2
Lab Number:	3E034

Project Name:	ALAMEDA PT.
Project Number:	APT103

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (MOD)					No. Containers	Remarks
S05-5-3-5.5	3/12/98	1050	H_2O	NB	1105	FR	3E034-17				X					2	122-S05-119
S05-5-3-7.5	"	1135	"	↓	1144		-18				X					1	122-S05-120
S05-5-3-9.5	"	1255			1255		-19				X					2	122-S05-121
S05-5-3-11.5	"	1340			1345		20				X					1	122-S05-122
S05-5-3-11.5-Dup	"	1340			1345		21				X					1	122-S05-123
S05-5-3-13.5	"	1355			1358		22				X					2	122-S05-124
S05-5-3-15.5	"	1420			1422		23				X					2	122-S05-125
S05-2-4-13.5	"	1515			1524	↓	24				X					2	122-S05-126

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date:	3/12/98
FR	Flaviano Rivera	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/12/98
Page:	1 of
Laboratory:	#3
Lab Number:	3E034

Project Name:	ALAMEDA POINT
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID 3E034 FR	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (MCA)					No. Containers	Remarks
S04-4-2-20-DUP	3/12/98	0830	H2O	NB		FR	3E035-01				X					1	122-S04-215
S04-4-2-20	↓	↓				↓	3E035-02				X					1	122-S04-214
~~S0~~ NB						FR	~~3E035-03~~										

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date:	3/12/98
FR	Flaviano Rivera	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			ent Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/17/98
Page:	of
Laboratory:	#3
Lab Number:	3E036

Project Name:	ALAMEDA POINT
Project Number:	APT03

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (MS)					No. Containers	Remarks
S05-3-2-5-5-DUP	3/13/98	0900	H_2O	NB	0910	FR	3E036-05	01			X					2	122-S05-~~8~~127 NB 2
S05-3-2-15.5		0930			0945			02			X					2	122-S05-24
S05-3-2-20		0950			1000			03			X					2	122-S05-127
S05-4-3-13.5		1045			1050			04			X					2	122-S05-128
S05-4-3-25		1110			1115			05			X					2	122-S05-~~12~~041
S05-4-3-30		1215			1233			06			X					1	122-S05-NB 129
S05-4-3-30-DUP		1215			1233			07			X					1	122-S05-130
S05-4-4-25		1340			1345			08			X					2	122-S05-131
S05-6-1-20		1620			1645			09			X					2	122-S05-133
RINSATE-09		1630			1645			10			X					1	122-S05-134

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date:	3/13/98
FR	Flavius Rivera	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

Date:	3/16/98
Page:	1 of
Laboratory:	#3
Lab Number:	3E037

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. DAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650·843-3828
Fax:	650·843-3815

Project Name:	ALAMEDA PT.
Project Number:	APT103

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	ONSITE Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	$ 2608 (mm)					No. Containers	Remarks
S05-4-4-30	3/16/98	0800	H_2O	NB	0839	FR	3E037-01				X					1	122-S05-135
S05-4-4-30-DUP							02				X					1	122-S05-136
S05-5-4-5.5		0920			0946		03				X					2	122-S05-137
S05-5-4-7.5		0940					04				X					2	122-S05-138
S05-5-4-9.5		1000			1005		05				X					2	122-S05-139
S05-5-4-13.5		1120			1126		06				X					2	122-S05-140
S05-5-4-15.5		1150			1202		07				X					2	122-S05-141
S05-3-4-5.5		1325			1350		08				X					2	122-S05-142
S05-3-4-7.5		1345			1350		09				X					2	122-S05-143
S05-3-4-11.5		1400			1507		10				X					2	122-S05-144
S05-3-4-15.5		1420					11				X					2	122-S05-145
S05-6-4-7.5		1520			1532		12				X					2	122-S05-146
S05-5-3-20		1715			1720		13				X					1	122-S05-147
S05-5-3-20-DUP		1715					14				X					1	122-S05-148

Initials:	Printed Name:	Signature:		
			Date:	3/16/98
			Start Time:	
FR	FLAVIANO RIVERA	Flaviano Rivera	Stop Time:	
NB	NICK BRYSON	N. Bryson	Hours:	
			ent Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECO AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3824
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/17/98
Page:	1 of 1
Laboratory:	#3
Lab Number:	3E039

Project Name:	ALAMEDA PT.
Project Number:	AFT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (mod.)					No. Containers	Remarks
504-5-7-13.5	3/17/98	1645	H_2O	NB	1710		3E039-13				X					2	122-504-216

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date: 3/17/98	
F.R.	Flaviano Rivera	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/17/98
Page:	1 of
Laboratory:	#3
Lab Number:	3E0

Project Name:	ALAMEDA PT.
Project Number:	APT03

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	ONSITE Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A(LOD)					No. Containers	Remarks
S05-5-2-11.5	3/17/98	0830	H_2O	NB	0915	FR	3E039-01				X					2	122-S05-149
S05-5-2-13.5		0920			0926		02				X					1	122-S05-150
S05-6-3-15.5		1020			1038		03				X					2	122-S05-151
S05-7-4-5.5		1150			1212		04				X					1	122-S05-152
S05-7-4-5.5-DUP		1150			1212		05				X					1	122-S05-153
S05-3-5-5.5		1340			1353		06				X					2	122-S05-154
RINSATE-10		1350			↓		07				X					1	122-S05-155
S05-3-5-7.5		1405			1405		08				X					2	122-S05-156
S05-3-5-11.5		1425			1441		09				X					2	122-S05-157
S05-3-5-13.5		1445			1505		10				X				NB	12	122-S05-158
S05-3-5-13.5-DUP		1445			1505		11				X					1	122-S05-159
S05-3-4-9.5		1520			1535		12				X					2	122-S05-160

Initials:	Printed Name:	Signature:	Date:	3/17/98
NB	NICK BRYSON		Start Time:	
FR	Flaviano Rivera	Flaviano Rivera	Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	**3/23/98**	**Project Mgr :**	**Robert Langdon**
Date Received :	**3/23/98**	**Client :**	**EFW**
Date Analyzed :	**3/23/98**	**Project :**	**Alameda Point**
Report # :	**2E028.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Sample ID		122-SO4-217	122-SO4-218	122-SO4-219	122-SO4-220	122-SO4-221	122-SO4-223
Field ID Number		SO4-6-6-15.5	SO4-5-8-15.5	SO4-5-9-15.5	SO4-6-9-15.5	SO4-7-8-15.5	SO4-7-7-15.5
Lab ID Number		2E028-01	2E028-02	2E028-03	2E028-04	2E028-05	2E028-07
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	**0.7**	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	**1.2**	ND	ND
trans-1,2-Dichloroethe	0.5	ND	ND	ND	**0.9**	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	**0.8**	**40**	**4.4**	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	**2300***	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	**1.5**	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	**1.2 B**	**0.6 B**	**0.7 B**	ND	**0.7 B**	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	Surrogates	108%	99%	103%	100% / *111%	98%	103%
Toluene-d8		98%	98%	98%	98% / *98%	99%	97%
4-Bromofluorobenzene		95%	94%	94%	105% / *93%	93%	95%
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1 / *500	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
ug/l - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
B - Analyte was detected in the method blank
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 50% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/23/98
Report # : 2E028.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS Spike level	LCS Conc.	LCS % Recov.	LCS QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	9.1	91%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.2	92%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.2	92%	50-150%
Toluene	0.5	**1.1**	10	9.4	83%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	103%			107%	50-150%
Toluene-d8		98%			97%	50-150%
4-Bromofluorobenzene		94%			96%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/23/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/23/98**	**Client :**	**EFW**
Date analyzed :	**3/23/98**	**Project :**	**Alameda Point**
Report # :	**2E028.rpt**	**Units :**	**µg/L**
OEL Project Number:	**EFW/Alameda**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike Conc	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND					ND	ND	
Chloroethane	0.5	ND					ND	ND	
1,1-Dichloroethene	0.5	ND	10	10.0	100%	50-150%	ND	ND	
trans-1,2-Dichloroethe	0.5	ND					ND	ND	
cis-1,2-Dichloroethene	0.5	ND					**4.4**	**4.4**	0.0%
1,1,1-Trichloroethane	0.5	ND					ND	ND	
1,2-Dichloroethane	0.5	ND					ND	ND	
Trichloroethene	0.5	ND	10	9.8	98%	50-150%	ND	ND	
Tetrachloroethene	0.5	ND					ND	ND	
Benzene	0.5	ND	10	10.0	100%	50-150%	ND	ND	
Toluene	0.5	ND	10	9.9	99%	50-150%	**0.7**	**0.7**	0.0%
Ethyl Benzene	0.5	ND					ND	ND	
Xylenes (total)	0.5	ND					ND	ND	
1,2-Dichloroethane-d4	Surrogates				97%	50-150%	98%	103%	
Toluene-d8					99%	50-150%	99%	99%	
4-Bromofluorobenzene					93%	50-150%	93%	94%	
Pentafluorobenzene	Internal Standards				PASS	30-200%	PASS	PASS	
1,4-Difluorobenzene					PASS	30-200%	PASS	PASS	
Chlorobenzene-d5					PASS	30-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - *Reporting limit*
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

CHAIN OF CUSTODY RECO[illegible] AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/23/98
Page:	1 of
Laboratory:	Onsite
Lab Number:	2E028

Project Name:	ALAMEDA POINT
Project Number:	APT 102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (NAP)					No. Containers	EFW LAB I.D. Remarks
S04-6-6-15.5	3/23/98	0900	H20	NB	1002	JP	2E028-01				X					2	122-S04-217
S04-5-8-15.5	"	1030	"	"	1100	JP	-02				X					2	122-S04-218
S04-5-9-15.5	"	1130	"	"	1200	JP	-03				X					2	122-S04-219
S04-6-9-15.5	"	1330	"	"	1345	JP	-04				X					2	122-S04-220
S04-7-8-15.5	"	1530	"	"	1600	JP	-05				X					1	122-S04-221
S04-7-8-15.5-DUP	"	1530	"	"	1600	JP	-06				X					1	122-S04-222
S04-7-7-15.5	"	1540	"	"	1600	JP	-07				X					1	122-S04-223

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date:	
JP	John Pernodin	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	11
Received Intact:	11
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	3/24/98	**Project Mgr**	**Robert Langdon**
Date Received :	3/24/98	**Client :**	**EFW**
Date Analyzed :	3/24/98	**Project :**	**Alameda Point**
Report # :	2E029.rpt	**Units :**	**µg/L**
		Matrix :	**water**

Sample ID		122-SO4-224	122-SO5-161	122-SO5-162	122-SO5-163	122-SO5-164	122-SO5-166
Field ID Number		RINSE-17	S05-4-4-11.5	S05-5-5-7.5	FB-02	S05-5-5-9.5	S05-6-5-5.5
Lab ID Number		2E029-01	2E029-02	2E029-03	2E029-04	2E029-05	2E029-07
Target Compounds	RL						
Vinyl chloride	0.5	ND	**7.3**	ND	ND	ND	ND
Chloroethane	0.5	ND	**6.3**	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	**11**	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	**8.4**	ND	ND	ND	ND
1,1-Dichloroethane	0.5	ND	**240***	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	**21**	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	**0.6**	ND
Trichloroethene	0.5	ND	**11**	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	**0.9**	ND	ND	**0.8**	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	Surrogate	92%	98%	105%	87%	103%	109%
Toluene-d8		96%	97%	98%	97%	98%	99%
4-Bromofluorobenzene		91%	96%	92%	89%	94%	95%
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1 / *5	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
µg/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	3/24/98	**Project Mgr**	Robert Langdon
Date Received :	3/24/98	**Client :**	EFW
Date Analyzed :	3/24/98	**Project :**	Alameda Point
Report # :	2E029.rpt	**Units :**	µg/L
		Matrix :	water

Sample ID		122-SO5-167	122-SO4-225				
Field ID Number		S05-6-5-9.5	RINSE-18				
Lab ID Number		2E029-08	2E029-10				
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND				
Chloroethane	0.5	ND	ND				
1,1-Dichloroethene	0.5	ND	ND				
trans-1,2-Dichloroethene	0.5	ND	ND				
1,1-Dichloroethane	0.5	ND	ND				
cis-1,2-Dichloroethene	0.5	ND	ND				
1,1,1-Trichloroethane	0.5	ND	ND				
1,2-Dichloroethane	0.5	ND	ND				
Trichloroethene	0.5	ND	ND				
Tetrachloroethene	0.5	ND	ND				
Benzene	0.5	ND	ND				
Toluene	0.5	ND	ND				
Ethyl Benzene	0.5	ND	ND				
Xylenes (total)	0.5	ND	ND				
1,2-Dichloroethane-d4	Surrogates	109%	98%				
Toluene-d8		99%	98%				
4-Bromofluorobenzene		95%	92%				
Pentafluorobenzene	Internal Standards	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS				
Chlorobenzene-d5		PASS	PASS				
Dilution factor (DF)		1	1				

Notes :
- E - Estimated value, over calibration range
- ND - Analytes not detected at, or above the stated detection limit
- RL - Reporting limit
- µg/L - Micrograms per liter (PPB)
- PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
- J - Estimated value
- Surrogates QC Limits : 50% - 150%
- Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/24/98
Report # : 2E029.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	9.0	90%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
1,1-Dichloroethane	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.4	94%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.4	94%	50-150%
Toluene	0.5	ND	10	9.3	94%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	104%			103%	50-150%
Toluene-d8		97%			98%	50-150%
4-Bromofluorobenzene		93%			98%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/24/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/24/98**	**Client :**	**EFW**
Date analyzed :	**3/24/98**	**Project :**	**Alameda Point**
Report # :	**2E029.rpt**	**Units :**	**µg/L**
OEL Project Number:	**EFW/Alameda**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike level	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND					ND	ND	
Chloroethane	0.5	ND					ND	ND	
1,1-Dichloroethene	0.5	ND	10	10.3	103%	50-150%	ND	ND	
trans-1,2-Dichloroethe	0.5	ND					ND	ND	
cis-1,2-Dichloroethene	0.5	ND					ND	ND	
1,1,1-Trichloroethane	0.5	ND					ND	ND	
1,2-Dichloroethane	0.5	ND					**0.6**	**0.7**	15.4%
Trichloroethene	0.5	ND	10	9.7	97%	50-150%	ND	ND	
Tetrachloroethene	0.5	ND					ND	ND	
Benzene	0.5	ND	10	10.2	102%	50-150%	**0.8**	**0.8**	0.0%
Toluene	0.5	ND	10	10.0	100%	50-150%	ND	ND	
Ethyl Benzene	0.5	ND					ND	ND	
Xylenes (total)	0.5	ND					ND	ND	
1,2-Dichloroethane-d4	Surrogates				108%	50-150%	103%	105%	
Toluene-d8					99%	50-150%	98%	98%	
4-Bromofluorobenzene					94%	50-150%	94%	94%	
Pentafluorobenzene	Internal Standards				PASS	30-200%	PASS	PASS	
1,4-Difluorobenzene					PASS	30-200%	PASS	PASS	
Chlorobenzene-d5					PASS	30-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	2/24/98
Page:	1 of 2
Laboratory:	Onsite
Lab Number:	2

Project Name:	ALAMEDA PT.
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A Chlorp					No. Containers	Remarks
RINSATE-17	3/23/98	1645	H2O	NB	0811	JR	2E029-01				X					1	122-504-224
SOF-4-4-11.5	3/24/98	0900	H2O		0900						X						122-5
RINSATE-18	3/24/98	1620	H2O	NB	1630	JR					X					1	122-504-225

Initials:	Printed Name:	Signature:		
			Date:	2/24/98
			Start Time:	
JR	John Remolin	[signature]	Stop Time:	
NB	NICK BRYSON	[signature]	Hours:	
			Client Sign-off:	

Total Containers:	2
Received Intact:	2
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Y Mobile Lab Pink - Client

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94[illegible] Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROB LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE
City, State ZIP	PALO ALTO, CA 94303
Phone:	(650) 543-3828
Fax:	(650) 543-3811

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	2/24/98
Page:	2 of 2
Laboratory:	Onsite
Lab Number:	2

Project Name:	
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (VOA)					No. Containers	Remarks
505-4-4-11.5	3/24/98	0900	H_2O	NB	0930	//	2E0224-02				X					2	122-505-161
505-5-5-7.5	"	1130	"	"	1137	//	-03				X					2	122-505-162
~~505-5-5-7 NB~~																	
FB-02		1135	"	"	1137	//	-04				X					1	122-505-163
505-5-5-9.5		1150	"	"	1157	//	-05				X					1	122-505-164
505-5-5-9.5-DUP		"	"	"	"	//	-06				X					1	122-505-165
505-6-5-5.5		1415	"	"	1420	//	-07				X					2	122-505-166
505-6-5-9.5		1435	"	"	1505	//	-08				X					1	122-505-167
505-6-5-9.5-DUP		1435	"	"	1505	//	-09				X					1	122-505-168

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date:	
JP	John Peruvoda	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	11
Received Intact:	11
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	3/26/98	**Project Mgr**	Robert Langdon
Date Received :	3/26/98	**Client :**	EFW
Date Analyzed :	3/26/98	**Project :**	Alameda Point
Report # :	2E030.rpt	**Units :**	µg/L
		Matrix :	water

Sample ID		122-SO4-226	122-SO4-227	122-SO4-228	122-SO4-229	122-SO4-231	122-SO4-232
Field ID Number		SO4-6-9-25	SO4-6-9-11.5	SO4-6-10-15.5	SO4-7-9-15.5	SO4-6-8-11.5	SO4-6-8-15.5
Lab ID Number		2E030-01	2E030-02	2E030-03	2E030-04	2E030-06	2E030-07
Target Compounds	RL						
Vinyl chloride	0.5	ND	**0.9**	ND	ND	**4.4**	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethe	0.5	ND	**1.9**	**0.7**	ND	ND	ND
cis-1,2-Dichloroethene	0.5	**2.6**	**53**	**37**	**27**	ND	**4.8**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	**130**	**480***	**7.7**	ND	**0.9**	**200**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	**0.8**	ND	ND	ND	**1.2**	ND
Toluene	0.5	**1.2**	**0.9**	**0.9**	**0.9**	**1.1**	**1.2**
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	Surrogates	101%	100% / *101%	99%	108%	102%	104%
Toluene-d8		98%	99% / *99%	98%	97%	98%	97%
4-Bromofluorobenzene		93%	93% / *93%	95%	94%	94%	94%
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1/*5	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
ug/l - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/26/98
Report # : 2E030.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	9.3	93%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.4	94%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.3	93%	50-150%
Toluene	0.5	ND	10	9.4	94%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	111%			104%	50-150%
Toluene-d8		98%			98%	50-150%
4-Bromofluorobenzene		96%			96%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/26/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/26/98**	**Client :**	**EFW**
Date analyzed :	**3/26/98**	**Project :**	**Alameda Point**
Report # :	**2E030.rpt**	**Units :**	**µg/L**
OEL Project Number:	**EFW/Alameda**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike level	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND					ND	ND	
Chloroethane	0.5	ND					ND	ND	
1,1-Dichloroethene	0.5	ND	10	9.4	94%	50-150%	ND	ND	
trans-1,2-Dichloroethe	0.5	ND					ND	ND	
cis-1,2-Dichloroethene	0.5	ND					**27**	**25**	7.7%
1,1,1-Trichloroethane	0.5	ND					ND	ND	
1,2-Dichloroethane	0.5	ND					ND	ND	
Trichloroethene	0.5	ND	10	9.7	97%	50-150%	ND	ND	
Tetrachloroethene	0.5	ND					ND	ND	
Benzene	0.5	ND	10	9.7	97%	50-150%	ND	ND	
Toluene	0.5	ND	10	9.9	99%	50-150%	**0.9**	**0.9**	0.0%
Ethyl Benzene	0.5	ND					ND	ND	
Xylenes (total)	0.5	ND					ND	ND	
1,2-Dichloroethane-d4	Surrogates				100%	50-150%	108%	102%	
Toluene-d8					99%	50-150%	97%	98%	
4-Bromofluorobenzene					95%	50-150%	94%	93%	
Pentafluorobenzene	Internal Standards				PASS	30-200%	PASS	PASS	
1,4-Difluorobenzene					PASS	30-200%	PASS	PASS	
Chlorobenzene-d5					PASS	30-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/24/98
Date

CHAIN OF CUSTODY REC D AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANDSON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA 94303
Phone:	650-843-3829
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/26/98
Page:	1 of 1
Laboratory:	2E030
Lab Number:	2

Project Name:	ALAMEDA POINT
Project Number:	AP102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	PCBs (Aroclor)					No. Containers	Remarks
S04-6-9-25	3/26/98	1000	H_2O	NB	1015	JP	2E030-01				X					1	122-S04-226
S04-6-9-11.5	3/26/98	1045	H_2O	NB	1045	JP	-02				X					2	122-S04-227
S04-6-10-15.5	"	1150	"	NB	1219	JP	-03				X					2	122-S04-228
S04-7-9-15.5	"	1330	"	NB	1349	JP	-04				X					1	122-S04-229
S04-7-9-15.5-Dup	"	1330	"	NB	1349	JP	-05				X					1	122-S04-230
S04-6-8-11.5	"	1430	"	NB	1508	JP	-06				X					2	122-S04-231
S04-6-8-15.5	"	1600	"	NB	1721	JP	-07				X					2	122-S04-232

Initials:	Printed Name:	Signature:	Date:	
NB	NICK BRYSON	[signature]	Start Time:	
JP	John Pertuda	[signature]	Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	11
Received Intact:	11
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	**3/27/98**	**Project Mgr**	**Robert Langdon**
Date Received :	**3/27/98**	**Client :**	**EFW**
Date Analyzed :	**3/27/98**	**Project :**	**Alameda Point**
Report # :	**2E032.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Sample ID		122-SO4-233	122-SO4-234	122-SO4-235	122-SO4-236	122-SO4-237	122-SO4-238
Field ID Number		SO4-7-9-9.5	SO4-7-9-11.5	SO4-7-9-13.5	SO4-6-10-9.5	SO4-6-10-11.5	SO4-6-10-13.5
Lab ID Number		2E032-01	2E032-02	2E032-03	2E032-04	2E032-05	2E032-06
Target Compounds	RL						
Vinyl chloride	0.5	ND	**34**	**37**	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethe	0.5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	**24**	**21**	ND	ND	**6.8**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	**2.9**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	**5.5**	**1.2**	**1.2**	ND	ND	ND
Toluene	0.5	**0.8**	ND	ND	**0.5**	ND	**0.5**
Ethyl Benzene	0.5	ND	ND	ND	**0.6**	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	Surrogates	100%	97%	96%	101%	104%	104%
Toluene-d8		98%	99%	99%	101%	100%	103%
4-Bromofluorobenzene		95%	94%	93%	97%	97%	100%
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
ug/l - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	3/27/98	**Project Mgr**	Robert Langdon
Date Received :	3/27/98	**Client :**	EFW
Date Analyzed :	3/27/98	**Project :**	Alameda Point
Report # :	2E032.rpt	**Units :**	µg/L
		Matrix :	water

Sample ID		122-SO4-239	122-SO4-241	122-SO4-240	122-SO4-242		
Field ID Number		SO4-6-9-9.5	SO4-6-9-13.5	FB-06	RINSE-19		
Lab ID Number		2E032-07	2E032-08	2E032-09	2E032-10		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND		
Chloroethane	0.5	ND	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	ND		
trans-1,2-Dichloroethe	0.5	ND	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND		
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	**2.4**	ND	ND	ND		
Tetrachloroethene	0.5	ND	ND	ND	ND		
Benzene	0.5	ND	ND	ND	ND		
Toluene	0.5	**0.9**	ND	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	0.5	ND	ND	ND	ND		
1,2-Dichloroethane-d4	Surrogates	102%	105%	105%	102%		
Toluene-d8		98%	106%	106%	102%		
4-Bromofluorobenzene		95%	108%	108%	93%		
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
Chlorobenzene-d5		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	1	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
ug/l - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 3/27/98
Report # : 2E032.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	9.3	93%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.5	95%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.5	95%	50-150%
Toluene	0.5	ND	10	9.5	94%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	101%			100%	50-150%
Toluene-d8		98%			95%	50-150%
4-Bromofluorobenzene		92%			92%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2050 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA 94303
Phone:	650-843-3824
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	3/27/98
Page:	1 of 1
Laboratory:	onsite
Lab Number:	2

Project Name:	ALAMEDA PT.
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	HSZGOA (MOD)					No. Containers	Remarks
S04-7-9-9.5	3/27/98	0850	H_2O	NB	0910	JP	2E0327-01				X					2	122-S04-233
S04-7-9-11.5	3/27/98	0935	H_2O	CF	1010	JP	-02				X					2	122-S04-234
S04-7-9-13.5	"	1035	H_2O	NB	1045	JP	-03				X					2	122-S04-235
S04-6-10-9.5	"	1145	H_2O	NB	1156	JP	-04				X					2	122-S04-236
S04-6-10-11.5	"	1300	"	NB	1300	JP	-05				X					1	122-S04-237
S04-6-10-13.5	"	1340	"	NB	1403	JP	-06				X					2	122-S04-238
S04-6-9-9.5	"	1420	"	NB	1521	JP	-07				X					2	122-S04-239
S04-6-9-13.5	"	1510	"	NB	"	JP	-08				X					2	122-S04-241
FB-06	"	1500	"	NB	"	JP	-09				X					1	122-S04-240
RINSATE-19	"	1620	"	NB	1630						X					1	122-S04-242

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON		Date:	
JP	John C. Pressler		Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Y[illegible] - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	4/1/98	**Project Mgr :**	Robert Langdon
Date Received :	4/1/98	**Client :**	EFW
Date Analyzed :	4/1/98	**Project :**	Alameda Point
Report # :	2E035.rpt	**Units :**	µg/L
		Matrix :	water

Sample ID			122-SO4-243	122-SO4-244	122-SO4-245	122-SO4-246	
Field ID Number		MW 2	SO4-6-9-30	SO4-6-9-30DU	SO4-6-10-25	RINSE-20	
Lab ID Number		2E03 -01	2E035-02	2E035-03	2E035-04	2E035-05	
Target Compounds	RL						
Vinyl chloride	0.5	3	ND	ND	ND	ND	
Chloroethane	0.5	N	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	N	ND	ND	1	ND	
trans-1,2-Dichloroethe	0.5	1	ND	ND	0.7	ND	
cis-1,2-Dichloroethene	0.5	2	ND	ND	15	ND	
1,1,1-Trichloroethane	0.5	N	ND	ND	ND	ND	
1,2-Dichloroethane	0.5		ND	ND	ND	ND	
Trichloroethene	0.5		ND	ND	2100*	0.6	
Tetrachloroethene	0.5	D	ND	ND	ND	ND	
Benzene	0.5	9	ND	ND	ND	ND	
Toluene	0.5	.7	3.4	3.3	2.9	ND	
Ethyl Benzene	0.5	D	ND	ND	ND	ND	
Xylenes (total)	0.5	.2	2.2	2.2	2.3	ND	
1,2-Dichloroethane-d4	Surrogates	7%	112%	114%	112% / *110%	105%	
Toluene-d8		0%	100%	101%	101% / *101%	99%	
4-Bromofluorobenzene		%	97%	97%	95% / *97%	97%	
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)			1	1	1 / *25	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
ug/l - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

5/15/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 4/1/98
Report # : 2E035.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	8.9	89%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.4	94%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.3	93%	50-150%
Toluene	0.5	ND	10	9.3	94%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	99%			95%	50-150%
Toluene-d8		96%			96%	50-150%
4-Bromofluorobenzene		92%			92%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

5/15/98
Date

APPENDIX B - CERTIFIED ANALYTICAL REPORT ONSITE ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST DATED 4/14/98 PAGE 1 OF 2

DATA TRANSMITTAL MEMORANDUM FOR SITES 4 AND 5 CHLORINATED SOLVENT PLUME DEFINITION AND SITE 14 SUMP INVESTIGATION, APPENDICES

THE ABOVE IDENTIFIED PAGE IS NOT AVAILABLE.

EXTENSIVE RESEARCH WAS PERFORMED BY NAVFAC SOUTHWEST TO LOCATE THIS PAGE. THIS PAGE HAS BEEN INSERTED AS A PLACEHOLDER AND WILL BE REPLACED SHOULD THE MISSING ITEM BE LOCATED.

QUESTIONS MAY BE DIRECTED TO:

DIANE C. SILVA
RECORDS MANAGEMENT SPECIALIST
NAVAL FACILITIES ENGINEERING COMMAND SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

ONSITE ENVIRONMENTAL LABORATORIES, INC.

[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO, CA
Phone:	650-843-3824
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4/1/98
Page:	2 of 2
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA PT.
Project Number:	APT102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (MOD)					No. Containers	Remarks
S04-6-9-30	4/1/98	1410	H2O	NB	1453	[illegible]	2E035-02				X					1	122-S04-243
S04-6-9-30-DUP	"	"	"	"	"	[illegible]	-03				X					1	122-S04-244
S04-6-10-25	"	1630	"		1720	[illegible]	-04				X					2	122-S04-245
RINSE-20	"	1700	"		1720	[illegible]	-05				X					1	122-S04-246

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[illegible]	Date:	4/1/98
[illegible]	J. Perrodin	[illegible]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	5
Received Intact:	5
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	4/1 & 4/2/1998	**Project Mgr**	Robert Langdon
Date Received :	4/2/98	**Client :**	EFW
Date Analyzed :	4/2/98	**Project :**	Alameda Point
Report # :	2E037.rpt	**Units :**	µg/L
		Matrix :	water

Sample ID		122-SO4-247	122-SO4-248	122-SO4-249	122-SO4-250		
Field ID Number		RINSE-21	SO4-7-9-25	SO4-5-10-25	SO4-6-10-40		
Lab ID Number		2E037-01	2E037-02	2E037-03	2E037-04		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND		
Chloroethane	0.5	ND	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	ND		
trans-1,2-Dichloroethe	0.5	ND	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND		
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	ND	ND	ND	**6.2**		
Tetrachloroethene	0.5	ND	ND	ND	ND		
Benzene	0.5	ND	ND	ND	ND		
Toluene	0.5	ND	ND	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	0.5	ND	ND	ND	ND		
1,2-Dichloroethane-d4	Surrogates	95%	119%	102%	109%		
Toluene-d8		98%	98%	101%	99%		
4-Bromofluorobenzene		90%	96%	96%	95%		
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
Chlorobenzene-d5		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	1	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
ug/l - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 4/2/98
Report # : 2E037.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	9.0	90%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.5	95%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.4	94%	50-150%
Toluene	0.5	ND	10	9.4	94%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	109%			108%	50-150%
Toluene-d8		100%			100%	50-150%
4-Bromofluorobenzene		98%			97%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**4/2/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**4/2/98**	**Client :**	**EFW**
Date analyzed :	**4/2/98**	**Project :**	**Alameda Point**
Report # :	**2E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**EFW/Alameda**	**Matrix :**	**water**

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike level	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND							
Chloroethane	0.5	ND							
1,1-Dichloroethene	0.5	ND	10	8.8	88%	50-150%			
trans-1,2-Dichloroethe	0.5	ND							
cis-1,2-Dichloroethene	0.5	ND							
1,1,1-Trichloroethane	0.5	ND							
1,2-Dichloroethane	0.5	ND							
Trichloroethene	0.5	ND	10	9.4	94%	50-150%			
Tetrachloroethene	0.5	ND							
Benzene	0.5	ND	10	9.2	92%	50-150%			
Toluene	0.5	ND	10	9.1	91%	50-150%			
Ethyl Benzene	0.5	ND							
Xylenes (total)	0.5	ND							
1,2-Dichloroethane-d4	Surrogates				95%	50-150%			
Toluene-d8					97%	50-150%			
4-Bromofluorobenzene					92%	50-150%			
Pentafluorobenzene	Internal Standards				PASS	30-200%			
1,4-Difluorobenzene					PASS	30-200%			
Chlorobenzene-d5					PASS	30-200%			
Dilution factor (DF)					1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	RUB LANGOUT
Client Name:	RFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO, CA
Phone:	(650) 543-3828
Fax:	(650) 543-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4/2/98
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA PT.
Project Number:	APT 102

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (VOC)					No. Containers	Remarks
RINSATE-21	4/1/98	0810	H2O	MNW	1000						X					1	122-S04-247
S04-7-9-25	4/2/98	0920	"	"	1000						X					2	122-S04-248
NB ~~S04-6-10-2~~																	
S04-5-10-25	4/2/98	1145	"	"	1215						X					2	122-S04-249
S04-6-10-40	4/1/98	1430	"	"	1505						X					2	122-S04-250

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON		Date:	4/2/98
JP	J. Perrodin	J. Perrodin	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	7
Received Intact:	7
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Y[illegible] - Mobile Lab Pink - Client

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	**4/3/98**	**Project Mgr :**	**Robert Langdon**
Date Received :	**4/3/98**	**Client :**	**EFW**
Date Analyzed :	**4/3/98**	**Project :**	**Alameda Point**
Report # :	**2E038.rpt**	**Units :**	**µg/L**
		Matrix :	**Water**

Sample ID		122-SO4-251	122-SO4-253	122-SO4-254		
Field ID Number		SO4-6-10A-11.5	SO4-6-10A-15.5	SO4-6-10A-25		
Lab ID Number		2E038-01	2E038-03	2E038-04		
Target Compounds	RL					
Vinyl chloride	0.5	ND	**1.4**	ND		
Chloroethane	0.5	ND	ND	ND		
1,1-Dichloroethene	0.5	ND	**1.2**	ND		
trans-1,2-Dichloroethene	0.5	ND	**1.7**	ND		
cis-1,2-Dichloroethene	0.5	ND	**45**	ND		
1,1,1-Trichloroethane	0.5	ND	ND	ND		
1,2-Dichloroethane	0.5	ND	ND	ND		
Trichloroethene	0.5	ND	**1100***	**2300**		
Tetrachloroethene	0.5	ND	**0.7**	ND		
Benzene	0.5	ND	ND	ND		
Toluene	0.5	ND	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND		
Xylenes (total)	0.5	ND	ND	ND		
1,2-Dichloroethane-d4	Surrogate	97%	106% / *107%	104%		
Toluene-d8		98%	98% / *101%	100%		
4-Bromofluorobenzene		93%	96% / *94%	97%		
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS		
Chlorobenzene-d5		PASS	PASS	PASS		
Dilution factor (DF)		1	1 / *25	50		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
µg/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled :	**4/3/98**	**Project Mgr :**	**Robert Langdon**
Date Received :	**4/3/98**	**Client :**	**EFW**
Date Analyzed :	**4/3/98**	**Project :**	**Alameda Point**
Report # :	**2E038.rpt**	**Units :**	**µg/L**
		Matrix :	**Water**

Sample ID		122-SO5-167				
Field ID Number		SO5-4-5-11.5				
Lab ID Number		2E038-05				
Target Compounds	RL					
Vinyl chloride	0.5	**230***				
Chloroethane	0.5	**200***				
1,1-Dichloroethene	0.5	**1400***				
trans-1,2-Dichloroethene	0.5	**4.8**				
1,1-Dichloroethane	0.5	**34000* E**				
cis-1,2-Dichloroethene	0.5	**62**				
1,1,1-Trichloroethane	0.5	**130 E**				
1,2-Dichloroethane	0.5	**24**				
Trichloroethene	0.5	**42**				
Tetrachloroethene	0.5	**1.5**				
Benzene	0.5	**1.1**				
Toluene	0.5	**0.7**				
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogate	104% / *105%				
Toluene-d8		102% / *99%				
4-Bromofluorobenzene		96% / *94%				
Pentafluorobenzene	Internal Standards	PASS				
1,4-Difluorobenzene		PASS				
Chlorobenzene-d5		PASS				
Dilution factor (DF)		1 / *100				

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
µg/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 4/3/98
Report # : 2E038.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	8.6	86%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.1	91%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.0	90%	50-150%
Toluene	0.5	ND	10	9.2	94%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogate	103%			107%	50-150%
Toluene-d8		98%			98%	50-150%
4-Bromofluorobenzene		97%			95%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	4/3/98	**Project Mgr :**	Robert Langdon
Date received :	4/3/98	**Client :**	EFW
Date analyzed :	4/3/98	**Project :**	Alameda Point
Report # :	2E038.rpt	**Units :**	µg/L
OEL Project Number:	EFW/Alameda	**Matrix :**	water

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike level	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND					ND	ND	
Chloroethane	0.5	ND					ND	ND	
1,1-Dichloroethene	0.5	ND	10	8.9	89%	50-150%	ND	ND	
trans-1,2-Dichloroethe	0.5	ND					ND	ND	
cis-1,2-Dichloroethene	0.5	ND					ND	ND	
1,1,1-Trichloroethane	0.5	ND					ND	ND	
1,2-Dichloroethane	0.5	ND					ND	1.2	200%
Trichloroethene	0.5	ND	10	9.1	91%	50-150%	ND	ND	
Tetrachloroethene	0.5	ND					ND	ND	
Benzene	0.5	ND	10	10.2	102%	50-150%	ND	ND	
Toluene	0.5	ND	10	9.3	93%	50-150%	ND	ND	
Ethyl Benzene	0.5	ND					ND	ND	
Xylenes (total)	0.5	ND					ND	ND	
1,2-Dichloroethane-d4	Surrogates				99%	50-150%	97%	103%	
Toluene-d8					97%	50-150%	98%	100%	
4-Bromofluorobenzene					95%	50-150%	93%	95%	
Pentafluorobenzene	Internal Standards				PASS	30-200%	PASS	PASS	
1,4-Difluorobenzene					PASS	30-200%	PASS	PASS	
Chlorobenzene-d5					PASS	30-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - *Reporting limit*
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	ROBERT LANGDON
Client Name:	EFW
Address:	2650 E. BAYSHORE RD.
City, State ZIP	PALO ALTO CA. 94303
Phone:	650-843-3828
Fax:	650-843-3815

Bill to:	
Company:	
Address:	
City, State ZIP	
Phone:	
Fax:	

Date:	4/3/98
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Name:	ALAMEDA POINT
Project Number:	APT02

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8260A (MOD)					No. Containers	Remarks
S04-6-10A-11.5	4/3/98	1000	H2O	NB	1105	JP	2E0038-01				X					1	122-S04-251
S04-6-10A-11.5-DUP	"	"	"	"	"	JP	-02				X					1	122-S04-252
S04-6-10A-15.5	"	1045	"	"	"	JP	-03				X					2	122-S04-253
S04-6-10A-25	"	1145	"	"	1205	JP	-04				X					2	122-S04-254

Initials:	Printed Name:	Signature:		
NB	NICK BRYSON	[signature]	Date:	4/3/98
JP	J. Perrodin	[signature]	Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	6
Received Intact:	6
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Y[illegible]y - Mobile Lab Pink - Client

ONSITE ENVIRONMENTAL LABORATORIES, INC.

ONSITE Environmental Laboratories, Inc.

5500 Boscell Common
Fremont, CA 94538
Tel. (510) 490-8571 Fax (510) 490-8572

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PROJECT NO.: AP1103

PROJECT NAME/SITE: ALAMEDA PT.

PROJECT MANAGER NAME: ROBERT LANGDON

SAMPLER NAME: NICK BRYSON

COC #:

PAGE ___ of ___

P.O. #:

SAMPLE IDENTIFICATION	DATE	TIME	PRES	LAB ID #	NO. OF CONTAINERS	SAMPLE TYPE	BTEX (8020)	TPHg (8015)	TPHd (8015m)	TRPH (418.1)	8010	8240	8260A (MOA)						REMARKS
S05-4-5-11.5	4/3/98	1350			2								X						122-S05-167

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	TURN AROUND TIME:	PLEASE SEND INVOICE TO.
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	RECEIPT CONDITION:	

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled : 4/6/98
Date Received : 4/6/98
Date Analyzed : 4/6/98
Report # : 2E039.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : Water

Sample ID		122-SO4-255	122-SO4-257				
Field ID Number		SO4-6-10A-40	RINSE-22				
Lab ID Number		2E039-01	2E039-03				
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND				
Chloroethane	0.5	ND	ND				
1,1-Dichloroethene	0.5	ND	ND				
trans-1,2-Dichloroethene	0.5	ND	ND				
cis-1,2-Dichloroethene	0.5	ND	ND				
1,1,1-Trichloroethane	0.5	ND	ND				
1,2-Dichloroethane	0.5	ND	ND				
Trichloroethene	0.5	**8.8**	ND				
Tetrachloroethene	0.5	ND	ND				
Benzene	0.5	ND	ND				
Toluene	0.5	ND	ND				
Ethyl Benzene	0.5	ND	ND				
Xylenes (total)	0.5	ND	ND				
1,2-Dichloroethane-d4	Surrogates	108%	105%				
Toluene-d8		99%	99%				
4-Bromofluorobenzene		96%	95%				
Pentafluorobenzene	Internal Standards	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS				
Chlorobenzene-d5		PASS	PASS				
Dilution factor (DF)		1	1				

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
µg/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled : 4/6/98
Date Received : 4/6/98
Date Analyzed : 4/6/98
Report # : 2E039.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : Water

Sample ID		122-SO5-168	122-SO5-170	122-SO5-169	122-SO5-171	122-SO5-172	122-SO5-173
Field ID Number		SO5-4-5-7.5	SO5-4-5-15.5	RINSE-11	SO5-4-6-5.5	SO5-4-6-7.5	SO5-4-6-9.5
Lab ID Number		2E039-04	2E039-05	2E039-06	2E039-07	2E039-08	2E039-09
Target Compounds	RL						
Vinyl chloride	0.5	**200**	ND	ND	ND	ND	ND
Chloroethane	0.5	**230**	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	**370**	ND	ND	**3.0**	**2.9**	**2.9**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	**0.6**	**0.6**
1,1-Dichloroethane	0.5	**4400**	ND	ND	**13**	**12**	**13**
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**2.4**	**3.4**	**3.6**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	**1.1**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	**0.6**	**0.6**	ND
Toluene	0.5	ND	ND	ND	**1.0**	**0.9**	**0.6**
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	Surrogate	103%	104%	107%	101%	100%	101%
Toluene-d8		101%	100%	99%	99%	99%	99%
4-Bromofluorobenzene		95%	94%	95%	93%	94%	93%
Pentafluorobenzene	Internal Standards	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		20	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
µg/L - Micrograms per liter (PPB)
PQL - *Practical Quantitation Limit* - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 300%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date Sampled : 4/6/98
Date Received : 4/6/98
Date Analyzed : 4/6/98
Report # : 2E039.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : Water

Sample ID		122-SO5-175	122-SO5-176				
Field ID Number		SO5-4-6-11.5	SO5-5-5-11.5				
Lab ID Number		2E039-11	2E039-12				
Target Compounds	RL						
Vinyl chloride	0.5	**1.2**	ND				
Chloroethane	0.5	ND	ND				
1,1-Dichloroethene	0.5	**0.8**	ND				
trans-1,2-Dichloroethene	0.5	**1.6**	ND				
1,1-Dichloroethane	0.5	**21**	ND				
cis-1,2-Dichloroethene	0.5	**22**	ND				
1,1,1-Trichloroethane	0.5	ND	ND				
1,2-Dichloroethane	0.5	**0.5**	**0.7**				
Trichloroethene	0.5	**0.8**	ND				
Tetrachloroethene	0.5	ND	ND				
Benzene	0.5	**0.7**	**2.3**				
Toluene	0.5	ND	ND				
Ethyl Benzene	0.5	ND	ND				
Xylenes (total)	0.5	ND	ND				
1,2-Dichloroethane-d4	Surrogates	104%	105%				
Toluene-d8		98%	98%				
4-Bromofluorobenzene		93%	94%				
Pentafluorobenzene	Internal Standards	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS				
Chlorobenzene-d5		PASS	PASS				
Dilution factor (DF)		20	1				

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
µg/L - Micrograms per liter (PPB)
PQL - *Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample*
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date analyzed : 4/6/98
Report # : 2E039.rpt
OEL Project Number: EFW/Alameda

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Lab ID Number		Method Blank	LCS			
			Spike level	Conc.	% Recov.	QC Limits
Target Compounds	RL					
Vinyl chloride	0.5	ND				
Chloroethane	0.5	ND				
1,1-Dichloroethene	0.5	ND	10	8.4	84%	50-150%
trans-1,2-Dichloroethene	0.5	ND				
cis-1,2-Dichloroethene	0.5	ND				
1,1,1-Trichloroethane	0.5	ND				
1,2-Dichloroethane	0.5	ND				
Trichloroethene	0.5	ND	10	9.1	91%	50-150%
Tetrachloroethene	0.5	ND				
Benzene	0.5	ND	10	9.0	90%	50-150%
Toluene	0.5	ND	10	9.1	91%	50-150%
Ethyl Benzene	0.5	ND				
Xylenes (total)	0.5	ND				
1,2-Dichloroethane-d4	Surrogates	99%			107%	50-150%
Toluene-d8		98%			98%	50-150%
4-Bromofluorobenzene		94%			93%	50-150%
Pentafluorobenzene	Internal Standards	PASS			PASS	30-200%
1,4-Difluorobenzene		PASS			PASS	30-200%
Chlorobenzene-d5		PASS			PASS	30-200%
Dilution factor (DF)		1			1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	3/23/98	**Project Mgr :**	Robert Langdon
Date received :	3/23/98	**Client :**	EFW
Date analyzed :	3/23/98	**Project :**	Alameda Point
Report # :	2E028.rpt	**Units :**	µg/L
OEL Project Number:	EFW/Alameda	**Matrix :**	water

Lab ID Number		Sample	Matrix Spike				SAMPLE	DUP	RPD
			Spike leve	Conc.	% Recov.	QC Limits			%
Target Compounds	RL								
Vinyl chloride	0.5	ND					ND	ND	
Chloroethane	0.5	ND					ND	ND	
1,1-Dichloroethene	0.5	ND	10	8.6	86%	50-150%	ND	ND	
trans-1,2-Dichloroethe	0.5	ND					ND	ND	
cis-1,2-Dichloroethene	0.5	ND					ND	ND	
1,1,1-Trichloroethane	0.5	ND					ND	ND	
1,2-Dichloroethane	0.5	ND					ND	ND	
Trichloroethene	0.5	ND	10	9.2	92%	50-150%	**8.8**	**9.5**	7.7%
Tetrachloroethene	0.5	ND					ND	ND	
Benzene	0.5	ND	10	9.1	91%	50-150%	ND	ND	
Toluene	0.5	ND	10	9.3	93%	50-150%	ND	ND	
Ethyl Benzene	0.5	ND					ND	ND	
Xylenes (total)	0.5	ND					ND	ND	
1,2-Dichloroethane-d4					105%	50-150%	108%	106%	
Toluene-d8	*Surrogates*				99%	50-150%	99%	99%	
4-Bromofluorobenzene					95%	50-150%	96%	95%	
Pentafluorobenzene					PASS	30-200%	PASS	PASS	
1,4-Difluorobenzene	Internal				PASS	30-200%	PASS	PASS	
Chlorobenzene-d5	Standards				PASS	30-200%	PASS	PASS	
Dilution factor (DF)					1		1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

ONSITE Environmental Laboratories, Inc.

5500 Boscell Common
Fremont, CA 94538
Tel. (510) 490-8571 Fax (510) 490-8572

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PROJECT NO.: APT02

PROJECT NAME/SITE: ALAMEDA PT.

PROJECT MANAGER NAME: ROBERT LANGDON

SAMPLER NAME: NICK BRYSON

COC # :

PAGE ___ of ___

P.O. # :

SAMPLE IDENTIFICATION	DATE	TIME	PRES	LAB ID #	NO. OF CONTAINERS	SAMPLE TYPE	BTEX (8020)	TPHg (8015)	TPHd (8015m)	TRPH (418.1)	8010	8240	8260 (Aromas)						REMARKS
S04-6-10A-40	4/6/98	0915		2E039-01	1								X						122-S04-255
S04-6-10A-40-DUP	"	"		-02	1								X						122-S04-256
RINSATE-22	"	0930		-03	1								X						122-S04-257

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
			John C. Rhu	onsite	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	TURN AROUND TIME:	PLEASE SEND INVOICE TO.
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	RECEIPT CONDITION: ok	

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.
[redacted]

ONSITE Environmental Laboratories, Inc.

5500 Boscell Common
Fremont, CA 94538
Tel. (510) 490-8571 Fax (510) 490-8572

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PROJECT NO.: APT102

PROJECT NAME/SITE: ALAMEDA PT.

PROJECT MANAGER NAME: ROBERT LANGDON

SAMPLER NAME:

COC #:

PAGE ___ of ___

P.O. #:

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE	TIME	PRES	LAB ID #	NO. OF CONTAINERS	SAMPLE TYPE	BTEX (8020)	TPHg (8015)	TPHd (8015m)	TRPH (418.1)	8010	8240	8260 ALL MOD						REMARKS
S05-4-5-7.5	4/6/98	1120		2E039-04	2								X						122-505-168
S05-4-5-15.5	"	1150		-05	2								X						122-505-170
RINSATE-11	"	1135		-06	1								X						122-505-169
S05-4-6-5.5	"	1300		-07	2								X						122-505-171
S05-4-6-7.5	"	1320		-08	2								X						122-505-172
S05-4-6-9.5	"	1345		-09	1								X						122-505-173
S05-4-6-9.5-DUP	"	1345		-10	1								X						122-505-174
S05-4-6-11.5	"	1400		-11	2								X						122-505-175
S05-5-5-11.5	"	1515		-12	2								X						122-505-176

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	LABORATORY:	PLEASE SEND RESULTS TO:
NICK BRYSON	4-6-98	1640	[illegible]	Onsite	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	TURN AROUND TIME:	
					PLEASE SEND INVOICE TO:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	RECEIPT CONDITION: ok	

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/5/98
Date received : 2/5/98
Date analyzed : 2/5/98
Report # : 3E007.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-6-3-5.5	SO4-6-2-5.5	SO5-6-2-11.5	SO5-6-3-11.5	SO5-6-2-15.5
Lab ID Number		122-SO4-50	122-SO5-52	122-SO5-53	122-SO5-56	122-SO5-54
Target Compounds	RL					
Vinyl chloride	0.5	ND	ND	18	ND	4.0
Chloroethane	0.5	ND	ND	29	10	8.9
1,1-Dichloroethene	0.5	ND	ND	4.0	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	1.3	2.2	170	ND	820 E
cis-1,2-Dichloroethene	0.5	ND	3.3	15	ND	1.4
1,1,1-Trichloroethane	0.5	ND	ND	0.7	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	0.8	0.8
Trichloroethene	0.5	ND	4.3	7.0	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	1.4	30
Toluene	0.5	ND	ND	ND	ND	1.6
Ethyl Benzene	0.5	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	1.0	ND	ND
1,2-Dichloroethane-d4	Surr.	93%	92%	93%	78%	88%
Toluene-d8		88%	93%	94%	85%	82%
4-Bromofluorobenzene		82%	86%	89%	78%	75%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/6/98
Date received : 2/6/98
Date analyzed : 2/6/98
Report # : 3E008.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-4-2-9.5	SO5-4-2-13.5	SO5-4-3-15.5	SO5-4-4-7.5	O5-4-4-7.5 DU	RINSATE-01
Lab ID Number		122-SO5-033	122-SO5-034	122-SO5-039	12-SO5-055	122-SO5-056	122-SO5-042
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	**1.0**	**1.3**	ND
Chloroethane	0.5	ND	ND	ND	**0.9**	**0.6**	ND
1,1-Dichloroethene	0.5	ND	ND	ND	**5.8**	**5.7**	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	**3.0**	ND	ND	**51**	**54**	**1.2**
cis-1,2-Dichloroethene	0.5	**4.0**	ND	ND	**0.9**	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	**0.5**	**3.3**	**3.4**	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	**9.5**	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	**2.1**	ND	ND	**0.7**	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	79%	73%	77%	79%	91%	85%
Toluene-d8		89%	88%	82%	84%	91%	83%
4-Bromofluorobenzene		81%	84%	77%	78%	84%	77%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/9/98
Date received : 2/9/98
Date analyzed : 2/9/98
Report # : 3E009.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-2-3-5.5	SO5-2-3-7.5	SO5-2-3-11.5	SO5-2-3-15.5	SO5-3-1-5.5	SO5-3-1-11.5
Lab ID Number		122-SO5-057	122-SO5-017	122-SO5-018	122-SO5-020	122-SO5-058	122-SO5-059
Target Compounds	RL						
Vinyl chloride	0.5	76	5.2	93	ND	ND	ND
Chloroethane	0.5	0.8	91	5.2	ND	ND	ND
1,1-Dichloroethene	0.5	3.8	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	18	15	6.8	ND	ND	ND
1,1-Dichloroethane	0.5	220 E	170	290 E	4.9	1.5	ND
cis-1,2-Dichloroethene	0.5	72	4.3	42	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	3.6	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	1.5	ND	ND	ND	ND	ND
Benzene	0.5	0.8	ND	ND	ND	ND	ND
Toluene	0.5	1.3	8.3	2.2	ND	ND	ND
Ethyl Benzene	0.5	35	54	2.6	ND	ND	ND
Xylenes (total)	0.5	1.1	22.3	2.5	ND	ND	ND
1,2-Dichloroethane-d4	surr.	79%	70%	82%	84%	90%	97%
Toluene-d8	surr.	81%	81%	83%	81%	86%	94%
4-Bromofluorobenzene	surr.	77%	76%	83%	75%	81%	90%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/9/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/9/98**	**Client :**	**EFW**
Date analyzed :	**2/9/98**	**Project :**	**Alameda Point**
Report # :	**3E009.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO5-3-1-13.5	SO5-3-4-13.5	RINSATE-02			
Lab ID Number		122-SO5-060	122-SO5-061	122-SO5-043			
Target Compounds	RL						
Vinyl chloride	0.5	ND	2.4	ND			
Chloroethane	0.5	ND	77	ND			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	ND	18	ND			
1,1-Dichloroethane	0.5	ND	2900 E	7.6			
cis-1,2-Dichloroethene	0.5	ND	ND	ND			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	ND	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	ND	8.4	ND			
Toluene	0.5	ND	2.8	ND			
Ethyl Benzene	0.5	ND	1.8	ND			
Xylenes (total)	0.5	ND	8.6	ND			
1,2-Dichloroethane-d4		91%	90%	88%			
Toluene-d8	surr.	84%	79%	84%			
4-Bromofluorobenzene		77%	72%	79%			
Pentafluorobenzene		PASS	PASS	PASS			
1,4-Difluorobenzene	Internal	PASS	PASS	PASS			
Chlorobenzene-d5	Std.	PASS	PASS	PASS			
Dilution factor (DF)		1	1	1			

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/10/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/10/98**	**Client :**	**EFW**
Date analyzed :	**2/10/98**	**Project :**	**Alameda Point**
Report # :	**3E010.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO5-2-2-5.5	SO5-2-2-7.5	SO5-2-2-9.5	SO5-2-2-11.5	SO5-2-2-13.5	SO5-2-2-13.5 DUP
Lab ID Number		122-SO5-062	122-SO5-063	122-S05-064	122-SO5-065	122-SO5-066	122-SO5-067
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	0.8	ND	ND	ND
Chloroethane	0.5	ND	ND	0.8	ND	ND	ND
1,1-Dichloroethene	0.5	13	6.7	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	7.9	13	8.1	7.5	3.9	2.7
cis-1,2-Dichloroethene	0.5	3.3	3.2	4.0	ND	ND	ND
1,1,1-Trichloroethane	0.5	105	4.8	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	23	15	7.0	ND	ND	ND
Tetrachloroethene	0.5	2.1	2.0	0.6	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	2.5	1.9
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	86%	84%	82%	87%	118%	83%
Toluene-d8		87%	81%	80%	80%	106%	73%
4-Bromofluorobenzene		71%	73%	74%	69%	93%	63%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/10/98
Date received : 2/10/98
Date analyzed : 2/10/98
Report # : 3E010.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-4-1-7.5	SO5-4-1-15.5	SO5-2-1-5.5	SO5-2-1-13.5	S05-2-1-15.5	SO5-3-5-9.5
Lab ID Number		122-SO5-068	122-SO5-069	122-SO5-070	122-SO5-015	122-SO5-016	122-SO5-071
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	**1.4**	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	**6.6**	ND	**11**	ND	ND	**100**
cis-1,2-Dichloroethene	0.5	**1.4**	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	**1.2**	ND	**1.7**	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	**4.4**
Trichloroethene	0.5	**10**	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	**0.7**	ND	**1.1**	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	76%	78%	59%	74%	90%	132%
Toluene-d8	surr.	74%	73%	59%	74%	81%	95%
4-Bromofluorobenzene	surr.	66%	68%	53%	68%	71%	50%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/10/98
Date received : 2/10/98
Date analyzed : 2/10/98
Report # : 3E010.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-1-2-5.5	RINSATE-03
Lab ID Number		122-SO5-072	122-SO5-044
Target Compounds	RL		
Vinyl chloride	0.5	ND	ND
Chloroethane	0.5	ND	ND
1,1-Dichloroethene	0.5	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND
1,1-Dichloroethane	0.5	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND
1,2-Dichloroethane	0.5	ND	ND
Trichloroethene	0.5	ND	ND
Tetrachloroethene	0.5	ND	ND
Benzene	0.5	ND	ND
Toluene	0.5	ND	ND
Ethyl Benzene	0.5	ND	ND
Xylenes (total)	0.5	ND	ND
1,2-Dichloroethane-d4	surr.	80%	81%
Toluene-d8		80%	73%
4-Bromofluorobenzene		70%	59%
Pentafluorobenzene	Internal Std.	PASS	PASS
1,4-Difluorobenzene		PASS	PASS
Chlorobenzene-d5		PASS	PASS
Dilution factor (DF)		1	1

Notes :
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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/18/98
Date received : 2/18/98
Date analyzed : 2/18/98
Report # : 3E016.rpt

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-5-1-9.5	SO5-5-1-13.5	SO5-7-3-13.5	SO5-2-3-9.5
Lab ID Number		122-SO5-073	122-SO5-074	122-SO5-075	122-SO5-076
Target Compounds	RL				
Vinyl chloride	0.5	ND	ND	**0.7**	**81**
Chloroethane	0.5	ND	ND	ND	**45**
1,1-Dichloroethene	0.5	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND
1,1-Dichloroethane	0.5	ND	ND	ND	**310 E**
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**33**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND
Benzene	0.5	ND	ND	**1.4**	**3.8**
Toluene	0.5	ND	**1.4**	**1.1**	ND
Ethyl Benzene	0.5	ND	ND	ND	**5.0**
Xylenes (total)	0.5	**4.1**	ND	ND	ND
1,2-Dichloroethane-d4	surr.	101%	106%	98%	97%
Toluene-d8		104%	105%	102%	104%
4-Bromofluorobenzene		96%	96%	95%	99%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1

Notes :
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ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/18/98**	**Project Mgr**	**Robert Langdon**
Date received :	**2/18/98**	**Client :**	**EFW**
Date analyzed :	**2/18/98**	**Project :**	**Alameda Point**
Report # :	**3E016.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO5-2-3-13.5	RINSATE-04	SO5-6-11.5	SO5-6-11.5D	S05-6-1-13.5	
Lab ID Number		122-SO5-019	122-SO5-44	122-S05-77	122-S05-78	122-SO5-79	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	2.7	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	**44**	ND	ND	ND	
Toluene	0.5	ND	**590**	**1.5**	**0.8**	ND	
Ethyl Benzene	0.5	ND	**160**	ND	ND	ND	
Xylenes (total)	0.5	ND	**1100**	**2.0**	**1.1**	ND	
1,2-Dichloroethane-d4	surr.	97%	92%	97%	103%	104%	
Toluene-d8		104%	103%	106%	104%	106%	
4-Bromofluorobenzene		99%	101%	99%	104%	101%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	10	1	1	1	

Notes :
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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/19/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/19/98**	**Client :**	**EFW**
Date analyzed :	**2/19/98**	**Project :**	**Alameda Point**
Report # :	**3E017.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO4-4-8-20	SO5-2-4-5.5	SO5-2-4-7.5	SO5-2-4-9.5	SO5-2-4-11.5	SO5-3-3-5.5	S05-3-3-7.5
Lab ID Number		122-SO4-165	122-SO5-082	122-SO5-083	122-SO5-084	122-SO5-085	122-S05-026	122-S05-027
Target Compounds	RL							
Vinyl chloride	0.5	ND	ND	ND	**2.5**	**5.5**	**2.1**	**2.0**
Chloroethane	0.5	ND	ND	ND	ND	ND	**1.0**	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	**1.5**	**0.5**	**5.2**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	NR	ND	**1.2**	**16**	**78**	**67**	**130**
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**37**	**38**	ND	**1.0**
1,1,1-Trichloroethane	0.5	ND	ND	**1.4**	**0.8**	ND	**2.9**	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	**2.4**	**0.5**
Trichloroethene	0.5	ND	ND	ND	ND	ND	**3.7**	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	**0.6**	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	104%	96%	94%	97%	95%	106%	103%
Toluene-d8		103%	103%	104%	103%	105%	104%	103%
4-Bromofluorobenzene		96%	96%	94%	95%	95%	100%	97%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS	PASS
Chlorobenzene-d5		PASS	PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1	1

Notes :
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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 2/19/98
Date received : 2/19/98
Date analyzed : 2/19/98
Report # : 3E017.rpt

Project Mgr Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		SO5-7-2-13.5	RINSATE-12	RINSATE-13	SO4-3-8-20	SO4-3-8-20 D	SO4-3-8-25	SO4-3-8-30
Lab ID Number		122-SO5-080	122-SO4-159	122-SO4-160	122-SO4-161	122-SO4-162	122-SO4-163	122-SO4-164
Target Compounds	RL							
Vinyl chloride	0.5	**3.0**	ND	ND	ND	ND	ND	**1.3**
Chloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	**1.9**	**2.1**	ND	**3.1**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND	**1.4**
1,1-Dichloroethane	0.5	ND	NR	NR	NR	NR	NR	NR
cis-1,2-Dichloroethene	0.5	ND	ND	ND	**4.2**	**4.4**	**4.5**	**11**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	**150***	**170***	**120**	**260***
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND
Toluene	0.5	**3.5**	**9.1**	ND	**1.0**	ND	ND	ND
Ethyl Benzene	0.5	ND	**3.0**	ND	ND	ND	ND	ND
Xylenes (total)	0.5	**2.4**	**20**	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	surr.	92%	94%	96%	96%/99%	99%/107%	104%	101%/101%*
Toluene-d8	surr.	104%	105%	104%	93%/101%	105%/103%	104%	104%/104%*
4-Bromofluorobenzene	surr.	97%	99%	96%	99%/96%	95%/86%	98%	96%/(6%*
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS/PASS*	PASS/PASS *	PASS	PASS
1,4-Difluorobenzene	Internal Std.	PASS	PASS	PASS	PASS/PASS*	PASS/PASS *	PASS	PASS
Chlorobenzene-d5	Internal Std.	PASS	PASS	PASS	PASS/PASS*	PASS/PASS *	PASS	PASS
Dilution factor (DF)		1	1	1	1/10*	1	1	1

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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/19/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/19/98**	**Client :**	**EFW**
Date analyzed :	**2/19/98**	**Project :**	**Alameda Point**
Report # :	**3E017.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO5-3-3-9.5	SO5-3-3-9.5 D	SO5-3-3-11.5				
Lab ID Number		122-SO5-028	122-SO5-086	122-SO5-087				
Target Compounds	RL							
Vinyl chloride	0.5	**3.1**	**2.8**	**79**				
Chloroethane	0.5	ND	ND	**0.7**				
1,1-Dichloroethene	0.5	ND	ND	**26**				
trans-1,2-Dichloroethene	0.5	ND	ND	**7.7**				
1,1-Dichloroethane	0.5	**21**	**21**	**220 E**				
cis-1,2-Dichloroethene	0.5	**3.2**	**3.5**	**38**				
1,1,1-Trichloroethane	0.5	ND	ND	ND				
1,2-Dichloroethane	0.5	ND	ND	**0.8**				
Trichloroethene	0.5	ND	ND	**14**				
Tetrachloroethene	0.5	ND	ND	ND				
Benzene	0.5	ND	ND	ND				
Toluene	0.5	ND	ND	ND				
Ethyl Benzene	0.5	ND	ND	**1.0**				
Xylenes (total)	0.5	ND	ND	ND				
1,2-Dichloroethane-d4	surr.	103%	106%	106%				
Toluene-d8		103%	102%	105%				
4-Bromofluorobenzene		100%	100%	100%				
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS				
1,4-Difluorobenzene		PASS	PASS	PASS				
Chlorobenzene-d5		PASS	PASS	PASS				
Dilution factor (DF)		1	1	1				

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DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
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Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/20/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/20/98**	**Client :**	**EFW**
Date analyzed :	**2/20/98**	**Project :**	**Alameda Point**
Report # :	**3E018.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO4-5-7-20	RINSATE-05	SO5-1-3-5.5	SO5-1-3-7.5	S05-1-3-9.5	SO5-3-3-13.5	RINSATE-06
Lab ID Number		122-SO4-166	122-SO5-045	122-SO5-088	122-SO5-089	122-SO5-090	122-SO5-029	122-SO5-091
Target Compounds	RL							
Vinyl chloride	0.5	ND	**2.2**	ND	ND	ND	**0.8**	ND
Chloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	**3.9**	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	NR	ND	ND	ND	ND	2.4	ND
cis-1,2-Dichloroethene	0.5	ND	**11**	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	**1.1**	ND
Toluene	0.5	**2.7**	**0.7**	ND	ND	ND	ND	**1.5**
Ethyl Benzene	0.5	**1.2**	ND	ND	ND	ND	ND	**0.6**
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND	**4.2**
1,2-Dichloroethane-d4	surr.	94%	116%	90%	93%	105%	91%	102%
Toluene-d8		104%	103%	105%	105%	97%	104%	103%
4-Bromofluorobenzene		96%	84%	95%	94%	57%	96%	96%
Pentafluorobenzene	Internal Std.	RERUN	PASS	PASS	PASS	RERUN	PASS	PASS
1,4-Difluorobenzene		RERUN	PASS	PASS	PASS	RERUN	PASS	PASS
Chlorobenzene-d5		RERUN	PASS	PASS	PASS	RERUN	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1	1

Notes :
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RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**2/20/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**2/20/98**	**Client :**	**EFW**
Date analyzed :	**2/20/98**	**Project :**	**Alameda Point**
Report # :	**3E018.rpt**	**Units :**	**µg/L**
		Matrix :	**water**

Field ID Number		SO5-6-4-5.5	SO4-3-8-40					
Lab ID Number		122-SO5-081	122-SO4-167					
Target Compounds	RL							
Vinyl chloride	0.5	ND	ND					
Chloroethane	0.5	ND	ND					
1,1-Dichloroethene	0.5	ND	ND					
trans-1,2-Dichloroethene	0.5	ND	ND					
1,1-Dichloroethane	0.5	ND	NR					
cis-1,2-Dichloroethene	0.5	ND	ND					
1,1,1-Trichloroethane	0.5	ND	ND					
1,2-Dichloroethane	0.5	ND	ND					
Trichloroethene	0.5	ND	ND					
Tetrachloroethene	0.5	ND	ND					
Benzene	0.5	ND	ND					
Toluene	0.5	ND	ND					
Ethyl Benzene	0.5	ND	ND					
Xylenes (total)	0.5	ND	ND					
1,2-Dichloroethane-d4	surr.	100%	113%					
Toluene-d8		104%	103%					
4-Bromofluorobenzene		98%	100%					
Pentafluorobenzene	Internal Std.	PASS	PASS					
1,4-Difluorobenzene		PASS	PASS					
Chlorobenzene-d5		PASS	PASS					
Dilution factor (DF)		1	1					

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/5/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/5/98**	**Client :**	**EFW**
Date analyzed :	**3/5/98**	**Project :**	**Alameda Point**
Report # :	**3E029.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-7-1-13.5	S05-5-2-15.5	S05-6-2-20	S05-6-3-13.5	S05-4-3-5.5	S05-4-3-7.5
Lab ID Number		122-S05-092	122-S05-093	122-S05-094	122-S05-095	122-S05-096	122-S05-097
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	**0.9**	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	**2.3**	**1.4**
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	ND	ND	**0.7**	**0.8**	**6.2**	**3.7**
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	**1.1**
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	**66**	**1.3**
1,2-Dichloroethane	0.5	ND	ND	ND	**0.7**	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	**3.9**	**5**
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	**1.9**	ND	ND
Toluene	0.5	**0.8**	**0.8**	**1**	**1.2**	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
Dibromofluoromethane	surr.	92%	91%	91%	92%	91%	91%
Toluene-d8		95%	97%	93%	95%	95%	94%
4-Bromofluorobenzene		92%	94%	95%	93%	91%	91%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled : 3/6/98
Date received : 3/6/98
Date analyzed : 3/6/98
Report # : 3E030.rpt
OEL Project Number: APT 103

Project Mgr : Robert Langdon
Client : EFW
Project : Alameda Point
Units : µg/L
Matrix : water

Field ID Number		S05-4-3-9.5	S05-4-3-11.5	S05-3-3-13.5	S05-3-3-15.5	FB-01	
Lab ID Number		122-S05-98	122-S05-99	122-S05-29	122-S05-100	122-S05-101	
Target Compounds	RL						
Vinyl chloride	0.5	ND	3.1	0.9	15	ND	
Chloroethane	0.5	ND	0.6	0.6	7.8	ND	
1,1-Dichloroethene	0.5	0.6	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	10	11	1.5	ND	ND	
1,1-Dichloroethane	0.5	5.2	2.8	13	48	ND	
cis-1,2-Dichloroethene	0.5	21	2.0	ND	13	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	0.6	0.9	2.1	ND	ND	
Trichloroethene	0.5	7.3	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	2.4	4.1	ND	ND	
Toluene	0.5	1	0.8	ND	1.4	ND	
Ethyl Benzene	0.5	ND	ND	0.7	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	91%	94%	91%	94%	94%	
Toluene-d8		94%	94%	97%	95%	94%	
4-Bromofluorobenzene		90%	91%	90%	88%	89%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/6/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/6/98**	**Client :**	**EFW**
Date analyzed :	**3/6/98**	**Project :**	**Alameda Point**
Report # :	**3E030.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		Rinsate-07	S05-2-1-9.5	S05-2-1-11.5	S05-3-2-5.5		
Lab ID Number		122-S05-102	122-S05-103	122-S05-014	122-S05-021		
Target Compounds	RL						
Vinyl chloride	0.5	ND	**3.8**	ND	ND		
Chloroethane	0.5	ND	**2.7**	ND	ND		
1,1-Dichloroethene	0.5	ND	ND	ND	**1.8**		
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND		
1,1-Dichloroethane	0.5	ND	**36**	**6.9**	**4.3**		
cis-1,2-Dichloroethene	0.5	ND	**17**	**1.6**	**2.2**		
1,1,1-Trichloroethane	0.5	ND	**5.9**	**1.4**	**16**		
1,2-Dichloroethane	0.5	ND	ND	ND	ND		
Trichloroethene	0.5	ND	**1.3**	ND	**5.8**		
Tetrachloroethene	0.5	ND	ND	ND	**3.0**		
Benzene	0.5	ND	ND	ND	ND		
Toluene	0.5	ND	**1.5**	ND	ND		
Ethyl Benzene	0.5	ND	ND	ND	ND		
Xylenes (total)	0.5	ND	ND	ND	ND		
Dibromofluoromethane	surr.	98%	96%	92%	96%		
Toluene-d8		95%	96%	93%	95%		
4-Bromofluorobenzene		89%	88%	63%	83%		
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS		
1,4-Difluorobenzene		PASS	PASS	PASS	PASS		
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS		
Dilution factor (DF)		1	1	1	1		

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

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Date

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LABORATORY ANALYTICAL REPORT

VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr :**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-4-5.5	S05-4-4-9.5	S05-4-4-13.5	S05-4-4-15.5	S05-4-2-7.5	
Lab ID Number		122-S05-104	122-S05-105	122-S05-106	122-S05-107	122-S05-032	
Target Compounds	RL						
Vinyl chloride	0.5	ND	4.4	ND	ND	ND	
Chloroethane	0.5	43	ND	48	1.7	ND	
1,1-Dichloroethene	0.5	10	8.5	ND	0.5	ND	
trans-1,2-Dichloroethene	0.5	ND	5.1	ND	ND	ND	
1,1-Dichloroethane	0.5	180	210 E	4.1	6.7	1.8	
cis-1,2-Dichloroethene	0.5	ND	16	0.5	ND	1.0	
1,1,1-Trichloroethane	0.5	35	ND	ND	2.2	ND	
1,2-Dichloroethane	0.5	0.6	ND	0.7	ND	ND	
Trichloroethene	0.5	1.7	8.4	ND	ND	1.0	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	0.5	3.4	ND	0.6	
Toluene	0.5	ND	ND	ND	ND	1.0	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	91%	89%	93%	96%	91%	
Toluene-d8		94%	95%	93%	94%	94%	
4-Bromofluorobenzene		94%	95%	95%	91%	94%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
- E - Estimated value, over calibration range
- ND - Analytes not detected at, or above the stated detection limit
- RL - Reporting limit
- DF - Dilution Factor
- PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
- J - Estimated value
- Surrogates QC Limits : 50% - 150%
- Internal standards QC Limits : 30% - 200%

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-2-11.5	S05-4-2-15.5	S05-5-1-5.5	S05-5-1-11.5	05-5-1-11.5DUP	
Lab ID Number		122-S05-108	122-S05-109	122-S05-110	122-S05-111	122-S05-112	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	**0.8**	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	**1.3**	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	**1.2**	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	**0.5**	ND	ND	
1,2-Dichloroethane	0.5	**1.3**	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	**0.7**	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	**1.3**	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	94%	93%	91%	94%	94%	
Toluene-d8		93%	93%	93%	95%	94%	
4-Bromofluorobenzene		94%	90%	94%	92%	93%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - *Reporting limit*
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-1-5.5	S05-4-1-9.5	S05-3-2-7.5	Rinsate-08	S05-3-2-11.5	S05-3-2-11.5
Lab ID Number		122-S05-113	122-S05-114	122-S05-022	122-S05-115	122-S05-23	122-S05-23
Target Compounds	RL						
Vinyl chloride	0.5	ND	0.5	ND	ND	520 E	490
Chloroethane	0.5	ND	0.6	ND	ND	17	16
1,1-Dichloroethene	0.5	0.6	ND	32	ND	62	55
trans-1,2-Dichloroethene	0.5	ND	0.6	ND	ND	37	37
1,1-Dichloroethane	0.5	11	13	44	ND	940 E	1300 E
cis-1,2-Dichloroethene	0.5	1.2	0.6	6.0	ND	130	136
1,1,1-Trichloroethane	0.5	0.8	1.2	100	ND	4.8	4.6
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	7.4	4.5	24	ND	61	61
Tetrachloroethene	0.5	ND	ND	7.6	ND	2.2	ND
Benzene	0.5	ND	ND	ND	ND	1.9	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
Dibromofluoromethane	surr.	90%	94%	93%	93%	95%	94%
Toluene-d8		93%	94%	95%	93%	94%	95%
4-Bromofluorobenzene		94%	94%	95%	92%	94%	93%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	1	1	1	1	1

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/9/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/9/98**	**Client :**	**EFW**
Date analyzed :	**3/9/98**	**Project :**	**Alameda Point**
Report # :	**3E031.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-3-2-13.5	S05-1-3-9.5	S05-1-3-11.5			
Lab ID Number		122-S05-116	122-S05-117	122-S05-118			
Target Compounds	RL						
Vinyl chloride	0.5	**180**	ND	ND			
Chloroethane	0.5	**10**	ND	ND			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	**11**	ND	ND			
1,1-Dichloroethane	0.5	**670 E**	ND	ND			
cis-1,2-Dichloroethene	0.5	**3.6**	ND	ND			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	**0.8**	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	**3.7**	ND	ND			
Toluene	0.5	**0.5**	ND	ND			
Ethyl Benzene	0.5	ND	ND	ND			
Xylenes (total)	0.5	ND	ND	ND			
Dibromofluoromethane	surr.	96%	93%	94%			
Toluene-d8		94%	95%	95%			
4-Bromofluorobenzene		90%	91%	93%			
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS			
1,4-Difluorobenzene		PASS	PASS	PASS			
2-Bromo-1-Chloropropane		PASS	PASS	PASS			
Dilution factor (DF)		1	1	1			

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/12/98**	**Client :**	**EFW**
Date analyzed :	**3/12/98**	**Project :**	**Alameda Point**
Report # :	**3E034.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-5-3-5.5	S05-5-3-7.5	S05-5-3-9.5	S05-5-3-11.5		
Lab ID Number		122-S05-119	122-S05-120	122-S05-121	122-S05-122		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	0.8	190 E	190	
Chloroethane	0.5	ND	ND	32	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	1.3	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	2.4	10	10	
1,1-Dichloroethane	0.5	7.3	13	190 E	8.1	8.4	
cis-1,2-Dichloroethene	0.5	1.2	0.8	1.1	650 E	820	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	2.6	ND	ND	
Trichloroethene	0.5	1.2	ND	0.7	1.5	ND	
Tetrachloroethene	0.5	0.6	ND	ND	ND	ND	
Benzene	0.5	ND	0.7	2.5	9.8	9.7	
Toluene	0.5	ND	ND	0.6	5.7	6.1	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	0.9	ND	
Dibromofluoromethane		91%	92%	94%	93%	97%	
Toluene-d8	surr.	95%	95%	94%	95%	95%	
4-Bromofluorobenzene		91%	92%	95%	93%	90%	
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	5	

Notes :
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ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/12/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/12/98**	**Client :**	**EFW**
Date analyzed :	**3/12/98**	**Project :**	**Alameda Point**
Report # :	**3E034.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-5-3-11.5dup		S05-5-3-13.5	S05-5-3-15.5	S05-2-4-13.5	
Lab ID Number		122-S05-123		122-S05-124	122-S05-125	122-S05-126	
Target Compounds	RL						
Vinyl chloride	0.5	**110**	**100**	**20**	**11**	**8.9**	
Chloroethane	0.5	ND	ND	ND	ND	**14**	
1,1-Dichloroethene	0.5	**0.8**	ND	ND	**2.8**	ND	
trans-1,2-Dichloroethene	0.5	**7.5**	**6.6**	**62**	**7.7**	ND	
1,1-Dichloroethane	0.5	**6.6**	**6.3**	ND	ND	**19**	
cis-1,2-Dichloroethene	0.5	**600 E**	**670**	ND	**64**	**6.8**	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	**1.5**	ND	ND	**77**	ND	
Tetrachloroethene	0.5	ND	ND	ND	**72**	ND	
Benzene	0.5	**7.5**	**7.2**	**3.8**	ND	ND	
Toluene	0.5	**4.5**	**4.8**	**0.8**	**1.2**	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	**0.7**	ND	ND	ND	ND	
Dibromofluoromethane		96%	96%	95%	94%	94%	
Toluene-d8	surr.	95%	96%	95%	95%	96%	
4-Bromofluorobenzene		91%	89%	91%	92%	91%	
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	5	1	1	1	

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

ONSITE ENVIRONMENTAL LABORATORIES.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/13/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/13/98**	**Client :**	**EFW**
Date analyzed :	**3/13/98**	**Project :**	**Alameda Point**
Report # :	**3E036.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-3-2-5.5du	S05-3-2-5.5du	S05-3-2-15.5	S05-3-2-20	S05-4-3-13.5	S05-4-3-25
Lab ID Number		122-S05-21	122-S05-21 RE	122-S05-24	122-S05-127	122-S05-128	122-S05-40
Target Compounds	RL						
Vinyl chloride	0.5	1.8	ND	ND	ND	1.5	ND
Chloroethane	0.5	1.2	ND	ND	0.5	0.6	ND
1,1-Dichloroethene	0.5	94	73	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	7.1	ND
1,1-Dichloroethane	0.5	140	130	0.7	ND	1.7	ND
cis-1,2-Dichloroethene	0.5	9.0	7.6	ND	ND	1.1	ND
1,1,1-Trichloroethane	0.5	230 E	200	0.5	ND	ND	ND
1,2-Dichloroethane	0.5	0.6	ND	ND	ND	1.2	ND
Trichloroethene	0.5	36	31	ND	ND	ND	ND
Tetrachloroethene	0.5	10	5.1	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	3.0	ND
Toluene	0.5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.5	ND	ND	ND	ND	ND	ND
Dibromofluoromethane	surr.	94%	93%	97%	95%	96%	96%
Toluene-d8		94%	96%	95%	95%	95%	95%
4-Bromofluorobenzene		89%	91%	91%	90%	91%	89%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	5	1	1	1	1

Notes :
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PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/13/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/13/98**	**Client :**	**EFW**
Date analyzed :	**3/13/98**	**Project :**	**Alameda Point**
Report # :	**3E036.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-3-30	S05-4-3-30dup	S05-4-4-25	S05-6-1-20	Rinsate-09	
Lab ID Number		122-S05-129	122-S05-130	122-S05-131	122-S05-133	122-S05-134	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	ND	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	
Trichloroethene	0.5	ND	ND	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane		96%	95%	95%	97%	93%	
Toluene-d8	surr.	95%	94%	98%	95%	94%	
4-Bromofluorobenzene		92%	90%	88%	89%	90%	
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
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DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

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Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-4-4-30	S05-4-4-30DU	S05-5-4-5.5	S05-5-4-7.5	S05-5-4-9.5	
Lab ID Number		122-S05-135	122-S05-136	122-S05-137	122-S05-138	122-S05-139	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	1.8	39	21	
Chloroethane	0.5	ND	ND	4.8	ND	50	
1,1-Dichloroethene	0.5	ND	ND	46	150	57	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	2.4	5.1	
1,1-Dichloroethane	0.5	ND	ND	850 E	2600 E	2400 E	
cis-1,2-Dichloroethene	0.5	ND	ND	1.6	10	7.6	
1,1,1-Trichloroethane	0.5	ND	ND	18	0.7	4.3	
1,2-Dichloroethane	0.5	ND	ND	4.5	26	16	
Trichloroethene	0.5	ND	ND	8.1	27	7.8	
Tetrachloroethene	0.5	ND	ND	ND	1.6	ND	
Benzene	0.5	ND	ND	ND	ND	0.9	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane		92%	94%	95%	94%	96%	
Toluene-d8	surr.	94%	95%	94%	96%	94%	
4-Bromofluorobenzene		94%	91%	92%	93%	92%	
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
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PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-5-4-13.5	S05-5-4-15.5	S05-3-4-5.5	S05-3-4-7.5		
Lab ID Number		122-S05-140	122-S05-141	122-S05-142	122-S05-143		
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	4.5	12	11	
Chloroethane	0.5	ND	ND	22	310 E	290	
1,1-Dichloroethene	0.5	ND	ND	1.1	0.6	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	ND	1.5	1.6	
1,1-Dichloroethane	0.5	ND	ND	100	46	43	
cis-1,2-Dichloroethene	0.5	ND	ND	28	28	27	
1,1,1-Trichloroethane	0.5	ND	ND	4.3	ND	1.9	
1,2-Dichloroethane	0.5	ND	ND	ND	0.7	ND	
Trichloroethene	0.5	ND	ND	4.3	0.6	ND	
Tetrachloroethene	0.5	ND	ND	1.9	ND	ND	
Benzene	0.5	1.5	ND	0.8	2.0	2.1	
Toluene	0.5	ND	ND	10	45	43	
Ethyl Benzene	0.5	ND	ND	51	62	62	
Xylenes (total)	0.5	ND	ND	92	330	240	
Dibromofluoromethane	surr.	92%	92%	93%	89%	91%	
Toluene-d8		93%	94%	95%	95%	94%	
4-Bromofluorobenzene		94%	93%	92%	95%	99%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	2.5	

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ONSITE ENVIRONMENTAL LABORATORIES.

LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/16/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/16/98**	**Client :**	**EFW**
Date analyzed :	**3/16/98**	**Project :**	**Alameda Point**
Report # :	**3E037.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-3-4-11.5		S05-3-4-15.5	S05-6-4-7.5	S05-5-3-20	S05-5-3-20Dup
Lab ID Number		122-S05-144		122-S05-145	122-S05-146	122-S05-147	122-S05-148
Target Compounds	RL						
Vinyl chloride	0.5	1.5	ND	ND	1.9	2.2	2.3
Chloroethane	0.5	620 E	1100	1.9	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	17	17	ND	1.4	2.6	2.3
1,1-Dichloroethane	0.5	1700 E	2200 E	2.0	0.5	ND	ND
cis-1,2-Dichloroethene	0.5	0.8	ND	ND	1.0	17	14
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	0.6	ND	ND	0.7	13	9.3
Tetrachloroethene	0.5	ND	ND	ND	ND	14	9.1
Benzene	0.5	7.0	6.5	ND	0.7	ND	ND
Toluene	0.5	2.9	5.2	ND	ND	ND	ND
Ethyl Benzene	0.5	4.1	5.2	ND	ND	ND	ND
Xylenes (total)	0.5	15	11	ND	ND	ND	ND
Dibromofluoromethane	surr.	90%	90%	89%	87%	89%	89%
Toluene-d8		95%	94%	94%	95%	93%	93%
4-Bromofluorobenzene		95%	89%	96%	96%	94%	96%
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	PASS
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	PASS
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	PASS
Dilution factor (DF)		1	5	1	1	1	1

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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-5-2-11.5	S05-5-2-13.5	S05-6-3-15.5	S05-7-4-5.5	05-7-4-5.5DUP	
Lab ID Number		122-S05-149	122-S05-150	122-S05-151	122-S05-152	122-S05-153	
Target Compounds	RL						
Vinyl chloride	0.5	**3.6**	**1.0**	ND	ND	ND	
Chloroethane	0.5	ND	**0.9**	ND	ND	ND	
1,1-Dichloroethene	0.5	**0.7**	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	**3.4**	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	**34**	**15**	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	**6.0**	**9.8**	ND	ND	ND	
1,1,1-Trichloroethane	0.5	ND	**11**	ND	ND	ND	
1,2-Dichloroethane	0.5	**2.7**	ND	ND	ND	ND	
Trichloroethene	0.5	**0.8**	**18**	ND	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	**1.6**	ND	ND	ND	ND	
Toluene	0.5	ND	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane		88%	90%	97%	89%	89%	
Toluene-d8	surr.	95%	93%	92%	95%	94%	
4-Bromofluorobenzene		95%	87%	92%	97%	95%	
Pentafluorobenzene		PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene	Internal	PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane	Std.	PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
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Laboratory director

4/29/98
Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-3-5-5.5	Rinsate-10	S05-3-5-7.5	S05-3-5-11.5	S05-3-5-13.5	
Lab ID Number		122-S05-154	122-S05-155	122-S05-156	122-S05-157	122-S05-158	
Target Compounds	RL						
Vinyl chloride	0.5	ND	ND	**0.7**	ND	ND	
Chloroethane	0.5	ND	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	ND	ND	**0.6**	ND	ND	
1,1-Dichloroethane	0.5	**15**	ND	**47**	**1.7**	ND	
cis-1,2-Dichloroethene	0.5	**9.7**	ND	**4.5**	ND	ND	
1,1,1-Trichloroethane	0.5	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.5	ND	ND	**1.9**	**0.6**	ND	
Trichloroethene	0.5	**1.3**	ND	**1.2**	ND	ND	
Tetrachloroethene	0.5	ND	ND	ND	ND	ND	
Benzene	0.5	ND	ND	**0.5**	ND	ND	
Toluene	0.5	**2.0**	ND	ND	ND	ND	
Ethyl Benzene	0.5	ND	ND	ND	ND	ND	
Xylenes (total)	0.5	ND	ND	ND	ND	ND	
Dibromofluoromethane	surr.	89%	89%	89%	89%	89%	
Toluene-d8		96%	94%	94%	95%	95%	
4-Bromofluorobenzene		98%	95%	96%	97%	94%	
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS	PASS	PASS	
1,4-Difluorobenzene		PASS	PASS	PASS	PASS	PASS	
2-Bromo-1-Chloropropane		PASS	PASS	PASS	PASS	PASS	
Dilution factor (DF)		1	1	1	1	1	

Notes :
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J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

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Date

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LABORATORY ANALYTICAL REPORT
VOLATILE ORGANICS BY GC/MS EPA 8260A

Date sampled :	**3/17/98**	**Project Mgr**	**Robert Langdon**
Date received :	**3/17/98**	**Client :**	**EFW**
Date analyzed :	**3/17/98**	**Project :**	**Alameda Point**
Report # :	**3E039.rpt**	**Units :**	**µg/L**
OEL Project Number:	**APT 103**	**Matrix :**	**water**

Field ID Number		S05-3-5-13.5Du	S05-3-4-9.5				
Lab ID Number		122-S05-159	122-S05-160				
Target Compounds	RL						
Vinyl chloride	0.5	ND	1.7	ND			
Chloroethane	0.5	ND	650 E	840			
1,1-Dichloroethene	0.5	ND	ND	ND			
trans-1,2-Dichloroethene	0.5	ND	4.5	4.3			
1,1-Dichloroethane	0.5	ND	8.8	9.2			
cis-1,2-Dichloroethene	0.5	ND	2.5	2.8			
1,1,1-Trichloroethane	0.5	ND	ND	ND			
1,2-Dichloroethane	0.5	ND	ND	ND			
Trichloroethene	0.5	ND	ND	ND			
Tetrachloroethene	0.5	ND	ND	ND			
Benzene	0.5	ND	2.2	2.7			
Toluene	0.5	ND	9.5	11			
Ethyl Benzene	0.5	ND	21	20			
Xylenes (total)	0.5	ND	45	45			
Dibromofluoromethane	surr.	89%	88%	89%			
Toluene-d8		94%	93%	95%			
4-Bromofluorobenzene		93%	96%	97%			
Pentafluorobenzene	Internal Std.	PASS	PASS	PASS			
1,4-Difluorobenzene		PASS	PASS	PASS			
2-Bromo-1-Chloropropane		PASS	PASS	PASS			
Dilution factor (DF)		1	1	5			

Notes :
E - Estimated value, over calibration range
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
Surrogates QC Limits : 50% - 150%
Internal standards QC Limits : 30% - 200%

Laboratory director

4/29/98
Date

APPENDIX C

CERTIFIED ANALYTICAL REPORTS
APPLIED P & CH LABORATORY

Fax Cover

APCL
13760 Magnolia Ave.
Chino, CA 91710
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Date: 980205-

Service ID 98 1267 AEPOS 069122 D0302

To: Chris Fennessy

Company: Tetra Tech.

Fax#: 916 852-0307

From: Luis Mejia

Number of pages in this transmittal including this cover page: 10

SUBJECT: Report

MESSAGE:

Luis Mejia

Applied P & Ch Laboratory
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APCL Analytical Report

Submitted to:
TetraTech EM Inc.
Attention: Neal Hutchinson
10670 White Rock Road, Ste 100
Rancho Cordova CA 95670
Tel: (916)853-4501 Fax: (916)852-0307

Service ID #: 801-981267 AEP03 Received: 01/29/98
Collected by: Mark Wetters Extracted: 01/30-02/02/98
Collected on: 01/26-28/98 Tested: 01/29-02/03/98
Reported: 02/04/98
Sample Description: Soil and Water from Nas Alameda
Project Description: 069-122B0303 Site 4/5/14

Analysis of Water and Soil Samples

I . Analysis of Water Samples

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-008 98-01267-5 IDW
CLP METALS-ROUTINE				
ALUMINUM	CLP-Metal	µg/L	50.0	13,300
ANTIMONY	CLP-Metal	µg/L	6.0	5.8J
ARSENIC	CLP-Metal	µg/L	10.0	6.1J
BARIUM	CLP-Metal	µg/L	200	253
BERYLLIUM	CLP-Metal	µg/L	4.0	<4.0
CADMIUM	CLP-Metal	µg/L	5.0	6.4
CALCIUM	CLP-Metal	µg/L	5000	26,600
CHROMIUM	CLP-Metal	µg/L	10.0	65.2
COBALT	CLP-Metal	µg/L	50.0	15.8J
COPPER	CLP-Metal	µg/L	25.0	120
IRON	CLP-Metal	µg/L	100	24,300
LEAD	CLP-Metal	µg/L	3.0	252
MAGNESIUM	CLP-Metal	µg/L	5000	8,080
MANGANESE	CLP-Metal	µg/L	15.0	419
MERCURY	CLP-Metal	µg/L	0.20	0.39
MOLYBDENUM	CLP-Metal	µg/L	5.0	1.6J
NICKEL	CLP-Metal	µg/L	40.0	65.3
POTASSIUM	CLP-Metal	µg/L	5000	5,390
SELENIUM	CLP-Metal	µg/L	5.0	<5.0
SILVER	CLP-Metal	µg/L	10.0	<10.0
SODIUM	CLP-Metal	µg/L	5000	7,970
THALLIUM	CLP-Metal	µg/L	2.0	<2.0
VANADIUM	CLP-Metal	µg/L	50.0	44.1J
ZINC	CLP-Metal	µg/L	20.0	369
Dilution Factor	M8015V			1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	<0.05
Dilution Factor	M8015E			1
DIESEL RANGE ORGANICS	M8015E	mg/L	0.1	<0.1
Dilution Factor	M8015E			1
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	0.1	0.70Y

Y = Good match
C = no match
Y = ? = (>= 90% MATCH TO FINGERPRINT STANDARD)

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-008 98-01267-5
CLP SVOA - ROUTINE				
Dilution Factor	CLP-SVOC			1
PHENOL	CLP-SVOC	µg/L	10	<10
BIS(2-CHLOROETHYL)ETHER	CLP-SVOC	µg/L	10	<10
2-CHLOROPHENOL	CLP-SVOC	µg/L	10	<10
1,3-DICHLOROBENZENE	CLP-SVOC	µg/L	5	<5
1,4-DICHLOROBENZENE	CLP-SVOC	µg/L	5	<5
1,2-DICHLOROBENZENE	CLP-SVOC	µg/L	5	<5
2-METHYLPHENOL	CLP-SVOC	µg/L	10	<10
2,2'-OXYBIS(1-CHLOROPROPANE)	CLP-SVOC	µg/L	10	<10
4-METHYLPHENOL (P-CRESOL)	CLP-SVOC	µg/L	10	<10
N-NITROSO-DI-N-PROPYLAMINE	CLP-SVOC	µg/L	10	<10
HEXACHLOROETHANE	CLP-SVOC	µg/L	10	<10
NITROBENZENE	CLP-SVOC	µg/L	10	<10
ISOPHORONE	CLP-SVOC	µg/L	10	<10
2-NITROPHENOL	CLP-SVOC	µg/L	10	<10
2,4-DIMETHYLPHENOL	CLP-SVOC	µg/L	10	<10
BIS(2-CHLOROETHOXY)METHANE	CLP-SVOC	µg/L	10	<10
2,4-DICHLOROPHENOL	CLP-SVOC	µg/L	10	<10
1,2,4-TRICHLOROBENZENE	CLP-SVOC	µg/L	10	<10
NAPHTHALENE	CLP-SVOC	µg/L	10	<10
4-CHLOROANILINE	CLP-SVOC	µg/L	10	<10
HEXACHLOROBUTADIENE	CLP-SVOC	µg/L	10	<10
4-CHLORO-3-METHYLPHENOL	CLP-SVOC	µg/L	10	<10
2-METHYLNAPHTHALENE	CLP-SVOC	µg/L	10	<10
HEXACHLOROCYCLOPENTADIENE	CLP-SVOC	µg/L	10	<10
2,4,6-TRICHLOROPHENOL	CLP-SVOC	µg/L	10	<10
2,4,5-TRICHLOROPHENOL	CLP-SVOC	µg/L	25	<25
2-CHLORONAPHTHALENE	CLP-SVOC	µg/L	10	<10
2-NITROANILINE	CLP-SVOC	µg/L	25	<25
DIMETHYLPHTHALATE	CLP-SVOC	µg/L	10	<10
ACENAPHTHYLENE	CLP-SVOC	µg/L	10	<10
2,6-DINITROTOLUENE	CLP-SVOC	µg/L	10	<10
3-NITROANILINE	CLP-SVOC	µg/L	25	<25
ACENAPHTHENE	CLP-SVOC	µg/L	10	<10
2,4-DINITROPHENOL	CLP-SVOC	µg/L	25	<25
4-NITROPHENOL	CLP-SVOC	µg/L	25	<25
DIBENZOFURAN	CLP-SVOC	µg/L	10	<10
2,4-DINITROTOLUENE	CLP-SVOC	µg/L	10	<10
DIETHYLPHTHALATE	CLP-SVOC	µg/L	10	<10
4-CHLOROPHENYL-PHENYLETHER	CLP-SVOC	µg/L	10	<10
FLUORENE	CLP-SVOC	µg/L	10	<10
4-NITROANILINE	CLP-SVOC	µg/L	25	<25
4,6-DINITRO-2-METHYLPHENOL	CLP-SVOC	µg/L	25	<25
N-NITROSODIPHENYLAMINE (1)	CLP-SVOC	µg/L	10	<10
4-BROMOPHENYL-PHENYLETHER	CLP-SVOC	µg/L	10	<10
HEXACHLOROBENZENE	CLP-SVOC	µg/L	10	<10
PENTACHLOROPHENOL	CLP-SVOC	µg/L	25	<25

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-008 98-01267-5
PHENANTHRENE	CLP-SVOC	µg/L	10	<10
ANTHRACENE	CLP-SVOC	µg/L	10	<10
CARBAZOLE	CLP-SVOC	µg/L	10	<10
DI-N-BUTYLPHTHALATE	CLP-SVOC	µg/L	10	<10
FLUORANTHENE	CLP-SVOC	µg/L	10	<10
PYRENE	CLP-SVOC	µg/L	10	<10
BUTYLBENZYLPHTHALATE	CLP-SVOC	µg/L	10	<10
3,3'-DICHLOROBENZIDINE	CLP-SVOC	µg/L	10	<10
BENZO(A)ANTHRACENE	CLP-SVOC	µg/L	10	<10
CHRYSENE	CLP-SVOC	µg/L	10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	CLP-SVOC	µg/L	4	1J
DI-N-OCTYLPHTHALATE	CLP-SVOC	µg/L	10	<10
BENZO(B)FLUORANTHENE	CLP-SVOC	µg/L	10	<10
BENZO(K)FLUORANTHENE	CLP-SVOC	µg/L	10	<10
BENZO(A)PYRENE	CLP-SVOC	µg/L	10	<10
INDENO(1,2,3-CD)PYRENE	CLP-SVOC	µg/L	10	<10
DIBENZ(A,H)ANTHRACENE	CLP-SVOC	µg/L	10	<10
BENZO(G,H,I)PERYLENE	CLP-SVOC	µg/L	10	<10
CLP: ORGANOCHLORINE PESTICIDES & PCB				
Dilution Factor	CLP-Pest			1
ALPHA-BHC	CLP-Pest	µg/L	0.050	<0.050
BETA-BHC	CLP-Pest	µg/L	0.050	<0.050
DELTA-BHC	CLP-Pest	µg/L	0.050	<0.050
GAMMA-BHC (LINDANE)	CLP-Pest	µg/L	0.050	<0.050
HEPTACHLOR	CLP-Pest	µg/L	0.010	<0.010
ALDRIN	CLP-Pest	µg/L	0.050	<0.050
HEPTACHLOR EPOXIDE	CLP-Pest	µg/L	0.010	<0.010
ENDOSULFAN I	CLP-Pest	µg/L	0.050	<0.050
DIELDRIN	CLP-Pest	µg/L	0.10	<0.10
4,4'-DDE	CLP-Pest	µg/L	0.10	<0.10
ENDRIN	CLP-Pest	µg/L	0.10	<0.10
ENDOSULFAN II	CLP-Pest	µg/L	0.10	<0.10
4,4'-DDD	CLP-Pest	µg/L	0.10	<0.10
ENDOSULFAN SULFATE	CLP-Pest	µg/L	0.10	<0.10
4,4'-DDT	CLP-Pest	µg/L	0.10	<0.10
METHOXYCHLOR	CLP-Pest	µg/L	0.50	<0.50
ENDRIN KETONE	CLP-Pest	µg/L	0.10	<0.10
ENDRIN ALDEHYDE	CLP-Pest	µg/L	0.10	<0.10
ALPHA-CHLORDANE	CLP-Pest	µg/L	0.050	<0.050
GAMMA-CHLORDANE	CLP-Pest	µg/L	0.050	<0.050
TOXAPHENE	CLP-Pest	µg/L	3.0	<3.0
AROCLOR-1016	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1221	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1232	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1242	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1248	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1254	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1260	CLP-Pest	µg/L	0.50	<0.50

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-008 98-01267-5
DIOXINS AND FURANS [a]				

Component Analyzed	Method	Unit	CRDL	Analysis Result 122-S04-041 98-01267-1	122-S04-048 98-01267-2	122-S04-072 98-01267-3	122-S14-008 98-01267-5
CLP VOA - LOW LEVEL							
Dilution Factor	CLP-VOA			1	1	5	1
CHLOROMETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
BROMOMETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
VINYL CHLORIDE	CLP-VOA	µg/L	0.5	<0.5	<0.5	<3	<0.5
CHLOROETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
METHYLENE CHLORIDE	CLP-VOA	µg/L	2	<2	0.7J	<10	<2
ACETONE	CLP-VOA	µg/L	2	<2	1J	10	<2
CARBON DISULFIDE	CLP-VOA	µg/L	2	<2	<2	<10	<2
1,1-DICHLOROETHENE	CLP-VOA	µg/L	2	<2	<2	82	<2
1,1-DICHLOROETHANE	CLP-VOA	µg/L	2	<2	<2	24	<2
1,2-DICHLOROETHENE (TOTAL)	CLP-VOA	µg/L	2	<2	<2	2J	<2
CHLOROFORM	CLP-VOA	µg/L	2	<2	<2	<10	<2
1,2-DICHLOROETHANE	CLP-VOA	µg/L	0.5	2	<0.5	4	<0.5
2-BUTANONE	CLP-VOA	µg/L	2	<2	<2	<10	<2
1,1,1-TRICHLOROETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
CARBON TETRACHLORIDE	CLP-VOA	µg/L	0.5	<0.5	<0.5	<3	<0.5
BROMODICHLOROMETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
1,2-DICHLOROPROPANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
CIS-1,3-DICHLOROPROPENE	CLP-VOA	µg/L	0.5	<0.5	<0.5	<3	<0.5
TRICHLOROETHENE	CLP-VOA	µg/L	2	<2	<2	<10	<2
DIBROMOCHLOROMETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
1,1,2-TRICHLOROETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
BENZENE	CLP-VOA	µg/L	0.5	<0.5	<0.5	<3	<0.5
TRANS-1,3-DICHLOROPROPENE	CLP-VOA	µg/L	0.5	<0.5	<0.5	<3	<0.5
BROMOFORM	CLP-VOA	µg/L	2	<2	<2	<10	<2
4-METHYL 2 PENTANONE	CLP-VOA	µg/L	2	<2	<2	<10	<2
2-HEXANONE	CLP-VOA	µg/L	2	<2	<2	<10	<2
TETRACHLOROETHENE	CLP-VOA	µg/L	2	<2	<2	<10	<2
1,1,2,2-TETRACHLOROETHANE	CLP-VOA	µg/L	2	<2	<2	<10	<2
TOLUENE	CLP-VOA	µg/L	2	2J	<2	3J	<2
CHLOROBENZENE	CLP-VOA	µg/L	2	<2	<2	<10	<2
ETHYLBENZENE	CLP-VOA	µg/L	2	<2	<2	<10	<2
STYRENE	CLP-VOA	µg/L	2	<2	<2	<10	<2
XYLENE (TOTAL)	CLP-VOA	µg/L	2	2J	<2	2J	<2

IDW

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APCL Analytical Report

II . Analysis of Soil Samples

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-007 98-01267-4 IDW Soil
PERCENT MOISTURE	ASTM-D2216	W%	0.5	24.9
PH	9040	pH unit	0.1	7.57
CLP METALS-ROUTINE				
ALUMINUM	CLP-Metal	mg/kg	10.0	7,790
ANTIMONY	CLP-Metal	mg/kg	1.2	1.7
ARSENIC	CLP-Metal	mg/kg	2.0	4.4
BARIUM	CLP-Metal	mg/kg	40.0	725
BERYLLIUM	CLP-Metal	mg/kg	0.80	<1.1
CADMIUM	CLP-Metal	mg/kg	1.0	6.9
CALCIUM	CLP-Metal	mg/kg	1000	7,490
CHROMIUM	CLP-Metal	mg/kg	2.0	66.6
COBALT	CLP-Metal	mg/kg	10.0	9.8J
COPPER	CLP-Metal	mg/kg	5.0	49.6
IRON	CLP-Metal	mg/kg	20.0	22,200
LEAD	CLP-Metal	mg/kg	0.60	158
MAGNESIUM	CLP-Metal	mg/kg	1000	4,250
MANGANESE	CLP-Metal	mg/kg	3.0	282
MERCURY	CLP-Metal	mg/kg	0.10	0.23
MOLYBDENUM	CLP-Metal	mg/kg	1.0	0.89J
NICKEL	CLP-Metal	mg/kg	8.0	49.2
POTASSIUM	CLP-Metal	mg/kg	1000	1,170J
SELENIUM	CLP-Metal	mg/kg	1.0	<1.3
SILVER	CLP-Metal	mg/kg	2.0	<2.7
SODIUM	CLP-Metal	mg/kg	1000	<1330
THALLIUM	CLP-Metal	mg/kg	0.40	<0.53
VANADIUM	CLP-Metal	mg/kg	10.0	33.3
ZINC	CLP-Metal	mg/kg	4.0	213
Dilution Factor	M8015V			1
GASOLINE RANGE ORGANICS	M8015V	mg/kg	0.5	<0.67
Dilution Factor	M8015E			10
DIESEL RANGE ORGANICS	M8015E	mg/kg	10	<130
Dilution Factor	M8015E			10
MOTOR OIL RANGE ORGANICS	M8015E	mg/kg	10	1,200Y

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-007 98-01267-4
CLP VOA				
Dilution Factor	CLP-VOA			1
CHLOROMETHANE	CLP-VOA	µg/kg	10	< 13
BROMOMETHANE	CLP-VOA	µg/kg	10	< 13
VINYL CHLORIDE	CLP-VOA	µg/kg	10	< 13
CHLOROETHANE	CLP-VOA	µg/kg	10	< 13
METHYLENE CHLORIDE	CLP-VOA	µg/kg	10	< 13
ACETONE	CLP-VOA	µg/kg	10	11J
CARBON DISULFIDE	CLP-VOA	µg/kg	10	< 13
1,1-DICHLOROETHENE	CLP-VOA	µg/kg	10	< 13
1,1-DICHLOROETHANE	CLP-VOA	µg/kg	10	< 13
1,2-DICHLOROETHENE (TOTAL)	CLP-VOA	µg/kg	10	< 13
CHLOROFORM	CLP-VOA	µg/kg	10	< 13
1,2-DICHLOROETHANE	CLP-VOA	µg/kg	10	< 13
2-BUTANONE	CLP-VOA	µg/kg	10	< 13
1,1,1-TRICHLOROETHANE	CLP-VOA	µg/kg	10	< 13
CARBON TETRACHLORIDE	CLP-VOA	µg/kg	10	< 13
BROMODICHLOROMETHANE	CLP-VOA	µg/kg	10	< 13
1,2-DICHLOROPROPANE	CLP-VOA	µg/kg	10	< 13
CIS-1,3-DICHLOROPROPENE	CLP-VOA	µg/kg	10	< 13
TRICHLOROETHENE	CLP-VOA	µg/kg	10	< 13
DIBROMOCHLOROMETHANE	CLP-VOA	µg/kg	10	< 13
1,1,2-TRICHLOROETHANE	CLP-VOA	µg/kg	10	< 13
BENZENE	CLP-VOA	µg/kg	10	< 13
TRANS-1,3-DICHLOROPROPENE	CLP-VOA	µg/kg	10	< 13
BROMOFORM	CLP-VOA	µg/kg	10	< 13
4-METHYL-2-PENTANONE	CLP-VOA	µg/kg	10	< 13
2-HEXANONE	CLP-VOA	µg/kg	10	< 13
TETRACHLOROETHENE	CLP-VOA	µg/kg	10	< 13
1,1,2,2-TETRACHLOROETHANE	CLP-VOA	µg/kg	10	< 13
TOLUENE	CLP-VOA	µg/kg	10	< 13
CHLOROBENZENE	CLP-VOA	µg/kg	10	< 13
ETHYLBENZENE	CLP-VOA	µg/kg	10	< 13
STYRENE	CLP-VOA	µg/kg	10	< 13
XYLENE (TOTAL)	CLP-VOA	µg/kg	10	< 13

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-007 98-01267-4
CLP SVOA - ROUTINE				
Dilution Factor	CLP-SVOC			4
PHENOL	CLP-SVOC	µg/kg	330	<1800
BIS(2-CHLOROETHYL)ETHER	CLP-SVOC	µg/kg	330	<1800
2-CHLOROPHENOL	CLP-SVOC	µg/kg	330	<1800
1,3-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<850
1,4-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<850
1,2-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<850
2-METHYLPHENOL	CLP-SVOC	µg/kg	330	<1800
2,2'-OXYBIS(1-CHLOROPROPANE)	CLP-SVOC	µg/kg	330	<1800
4-METHYLPHENOL (P-CRESOL)	CLP-SVOC	µg/kg	330	<1800
N-NITROSO-DI-N-PROPYLAMINE	CLP-SVOC	µg/kg	330	<1800
HEXACHLOROETHANE	CLP-SVOC	µg/kg	330	<1800
NITROBENZENE	CLP-SVOC	µg/kg	330	<1800
ISOPHORONE	CLP-SVOC	µg/kg	330	<1800
2-NITROPHENOL	CLP-SVOC	µg/kg	330	<1800
2,4-DIMETHYLPHENOL	CLP-SVOC	µg/kg	330	<1800
BIS(2-CHLOROETHOXY)METHANE	CLP-SVOC	µg/kg	330	<1800
2,4-DICHLOROPHENOL	CLP-SVOC	µg/kg	330	<1800
1,2,4-TRICHLOROBENZENE	CLP-SVOC	µg/kg	330	<1800
NAPHTHALENE	CLP-SVOC	µg/kg	330	<1800
4-CHLOROANILINE	CLP-SVOC	µg/kg	330	<1800
HEXACHLOROBUTADIENE	CLP-SVOC	µg/kg	330	<1800
4-CHLORO-3-METHYLPHENOL	CLP-SVOC	µg/kg	330	<1800
2-METHYLNAPHTHALENE	CLP-SVOC	µg/kg	330	<1800
HEXACHLOROCYCLOPENTADIENE	CLP-SVOC	µg/kg	330	<1800
2,4,6-TRICHLOROPHENOL	CLP-SVOC	µg/kg	330	<1800
2,4,5-TRICHLOROPHENOL	CLP-SVOC	µg/kg	830	<4400
2-CHLORONAPHTHALENE	CLP-SVOC	µg/kg	330	<1800
2-NITROANILINE	CLP-SVOC	µg/kg	830	<4400
DIMETHYLPHTHALATE	CLP-SVOC	µg/kg	330	<1800
ACENAPHTHYLENE	CLP-SVOC	µg/kg	330	<1800
2,6-DINITROTOLUENE	CLP-SVOC	µg/kg	330	<1800
3-NITROANILINE	CLP-SVOC	µg/kg	830	<4400
ACENAPHTHENE	CLP-SVOC	µg/kg	330	<1800
2,4-DINITROPHENOL	CLP-SVOC	µg/kg	830	<4400
4-NITROPHENOL	CLP-SVOC	µg/kg	830	<4400
DIBENZOFURAN	CLP-SVOC	µg/kg	330	<1800
2,4-DINITROTOLUENE	CLP-SVOC	µg/kg	330	<1800
DIETHYLPHTHALATE	CLP-SVOC	µg/kg	330	<1800
4-CHLOROPHENYL-PHENYLETHER	CLP-SVOC	µg/kg	330	<1800
FLUORENE	CLP-SVOC	µg/kg	330	<1800
4-NITROANILINE	CLP-SVOC	µg/kg	830	<4400
4,6-DINITRO-2-METHYLPHENOL	CLP-SVOC	µg/kg	830	<4400
N-NITROSODIPHENYLAMINE (1)	CLP-SVOC	µg/kg	330	<1800
4-BROMOPHENYL-PHENYLETHER	CLP-SVOC	µg/kg	330	<1800
HEXACHLOROBENZENE	CLP-SVOC	µg/kg	330	<1800
PENTACHLOROPHENOL	CLP-SVOC	µg/kg	830	<4400

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-007 98-01267-4
PHENANTHRENE	CLP-SVOC	µg/kg	330	<1800
ANTHRACENE	CLP-SVOC	µg/kg	330	<1800
CARBAZOLE	CLP-SVOC	µg/kg	330	<1800
DI-N-BUTYLPHTHALATE	CLP-SVOC	µg/kg	330	<1800
FLUORANTHENE	CLP-SVOC	µg/kg	330	<1800
PYRENE	CLP-SVOC	µg/kg	330	190J
BUTYLBENZYLPHTHALATE	CLP-SVOC	µg/kg	330	<1800
3,3'-DICHLOROBENZIDINE	CLP-SVOC	µg/kg	330	<1800
BENZO(A)ANTHRACENE	CLP-SVOC	µg/kg	330	<1800
CHRYSENE	CLP-SVOC	µg/kg	330	<1800
BIS(2-ETHYLHEXYL)PHTHALATE	CLP-SVOC	µg/kg	130	730
DI-N-OCTYLPHTHALATE	CLP-SVOC	µg/kg	330	<1800
BENZO(B)FLUORANTHENE	CLP-SVOC	µg/kg	330	<1800
BENZO(K)FLUORANTHENE	CLP-SVOC	µg/kg	330	<1800
BENZO(A)PYRENE	CLP-SVOC	µg/kg	330	<1800
INDENO(1,2,3-CD)PYRENE	CLP-SVOC	µg/kg	330	<1800
DIBENZ(A,H)ANTHRACENE	CLP-SVOC	µg/kg	330	<1800
BENZO(G,H,I)PERYLENE	CLP-SVOC	µg/kg	330	<1800
CLP: ORGANOCHLORINE PESTICIDES & PCB				
Dilution Factor	CLP-Pest			1
ALPHA-BHC	CLP-Pest	µg/kg	1.7	<2.3
BETA-BHC	CLP-Pest	µg/kg	1.7	<2.3
DELTA-BHC	CLP-Pest	µg/kg	1.7	2.6
GAMMA-BHC (LINDANE)	CLP-Pest	µg/kg	1.7	<2.3
HEPTACHLOR	CLP-Pest	µg/kg	0.30	<0.40
ALDRIN	CLP-Pest	µg/kg	1.7	<2.3
HEPTACHLOR EPOXIDE	CLP-Pest	µg/kg	0.30	1.4
ENDOSULFAN I	CLP-Pest	µg/kg	1.7	<2.3
DIELDRIN	CLP-Pest	µg/kg	3.3	3.6J
4,4'-DDE	CLP-Pest	µg/kg	3.3	7.1
ENDRIN	CLP-Pest	µg/kg	3.3	3.6J
ENDOSULFAN II	CLP-Pest	µg/kg	3.3	<4.4
4,4'-DDD	CLP-Pest	µg/kg	3.3	5.1
ENDOSULFAN SULFATE	CLP-Pest	µg/kg	3.3	<4.4
4,4'-DDT	CLP-Pest	µg/kg	3.3	7.8
METHOXYCHLOR	CLP-Pest	µg/kg	17	<23
ENDRIN KETONE	CLP-Pest	µg/kg	3.3	<4.4
ENDRIN ALDEHYDE	CLP-Pest	µg/kg	3.3	<4.4
ALPHA-CHLORDANE	CLP-Pest	µg/kg	1.7	18
GAMMA-CHLORDANE	CLP-Pest	µg/kg	1.7	26
TOXAPHENE	CLP-Pest	µg/kg	85	<110

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-007 98-01267-4
AROCLOR-1016	CLP-Pest	µg/kg	16	<21
AROCLOR-1221	CLP-Pest	µg/kg	16	<21
AROCLOR-1232	CLP-Pest	µg/kg	16	<21
AROCLOR-1242	CLP-Pest	µg/kg	16	<21
AROCLOR-1248	CLP-Pest	µg/kg	16	<21
AROCLOR-1254	CLP-Pest	µg/kg	16	<21
AROCLOR-1260	CLP-Pest	µg/kg	16	<21
DIOXINS AND FURANS [a]				

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Dioxin was subcontracted to Southwest Research.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

Fax Cover

APCL
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Date: 980205-

Service ID 98 1197 AEP01 069122 D0302

To: Chris Fennessy

Company: Tetra Tech.

Fax#: 916 852-0301

From: Luis Mejia

Number of pages in this transmittal including this cover page: 13

SUBJECT: Report

MESSAGE:

Luis Mejia

Applied P & Ch Laboratory
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APCL Analytical Report

Submitted to:
TetraTech EM Inc.
Attention: Neal Hutchinson
10670 White Rock Road, Ste 100
Rancho Cordova CA 95670
Tel: (916)853-4501 Fax: (916)852-0307

Service ID #: 801-981197 AEP01 Received: 01/22/98
Collected by: Chris Jeenessy Extracted: 01/23-27/98
Collected on: 01/20/98 Tested: 01/23-29/98
Reported: 02/03/98
Sample Description: Soil and Water from Site 14
Project Description: 069-122B0302 Site 4/5/14

Analysis of Water and Soil Samples

I . Analysis of Water Samples

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-011 98-01197-7 Sump Water
CLP METALS-ROUTINE				
ALUMINUM	CLP-Metal	µg/L	50.0	11,300
ANTIMONY	CLP-Metal	µg/L	6.0	9.6
ARSENIC	CLP-Metal	µg/L	10.0	15.9
BARIUM	CLP-Metal	µg/L	200	739
BERYLLIUM	CLP-Metal	µg/L	4.0	1.1J
CADMIUM	CLP-Metal	µg/L	5.0	26.9
CALCIUM	CLP-Metal	µg/L	5000	117,000
CHROMIUM	CLP-Metal	µg/L	10.0	250
COBALT	CLP-Metal	µg/L	50.0	46.6J
COPPER	CLP-Metal	µg/L	25.0	226
IRON	CLP-Metal	µg/L	100	15,700
LEAD	CLP-Metal	µg/L	3.0	297
MAGNESIUM	CLP-Metal	µg/L	5000	15,400
MANGANESE	CLP-Metal	µg/L	15.0	2,960
MERCURY	CLP-Metal	µg/L	0.20	0.18J
MOLYBDENUM	CLP-Metal	µg/L	5.0	18.7
NICKEL	CLP-Metal	µg/L	40.0	223
POTASSIUM	CLP-Metal	µg/L	5000	13,500
SELENIUM	CLP-Metal	µg/L	5.0	<5.0
SILVER	CLP-Metal	µg/L	10.0	<10.0
SODIUM	CLP-Metal	µg/L	5000	16,400
THALLIUM	CLP-Metal	µg/L	2.0	2.9
VANADIUM	CLP-Metal	µg/L	50.0	48.2J
ZINC	CLP-Metal	µg/L	20.0	983
Dilution Factor	M8015V			1
GASOLINE RANGE ORGANICS	M8015V	mg/L	0.05	<0.05
Dilution Factor	M8015E			2
DIESEL RANGE ORGANICS	M8015E	mg/L	0.1	<0.2
Dilution Factor	M8015E			2
MOTOR OIL RANGE ORGANICS	M8015E	mg/L	0.1	2.6Y

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-011 98-01197-7 Sump water
CLP VOA - LOW LEVEL				
Dilution Factor	CLP-VOA			1
CHLOROMETHANE	CLP-VOA	µg/L	2	<2
BROMOMETHANE	CLP-VOA	µg/L	2	<2
VINYL CHLORIDE	CLP-VOA	µg/L	0.5	<0.5
CHLOROETHANE	CLP-VOA	µg/L	2	<2
METHYLENE CHLORIDE	CLP-VOA	µg/L	2	<2
ACETONE	CLP-VOA	µg/L	2	2J
CARBON DISULFIDE	CLP-VOA	µg/L	2	<2
1,1-DICHLOROETHENE	CLP-VOA	µg/L	2	<2
1,1-DICHLOROETHANE	CLP-VOA	µg/L	2	<2
1,2-DICHLOROETHENE (TOTAL)	CLP-VOA	µg/L	2	<2
CHLOROFORM	CLP-VOA	µg/L	2	<2
1,2-DICHLOROETHANE	CLP-VOA	µg/L	0.5	<0.5
2-BUTANONE	CLP-VOA	µg/L	2	<2
1,1,1-TRICHLOROETHANE	CLP-VOA	µg/L	2	<2
CARBON TETRACHLORIDE	CLP-VOA	µg/L	0.5	<0.5
BROMODICHLOROMETHANE	CLP-VOA	µg/L	2	<2
1,2-DICHLOROPROPANE	CLP-VOA	µg/L	2	<2
CIS-1,3-DICHLOROPROPENE	CLP-VOA	µg/L	0.5	<0.5
TRICHLOROETHENE	CLP-VOA	µg/L	2	<2
DIBROMOCHLOROMETHANE	CLP-VOA	µg/L	2	<2
1,1,2-TRICHLOROETHANE	CLP-VOA	µg/L	2	<2
BENZENE	CLP-VOA	µg/L	0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	CLP-VOA	µg/L	0.5	<0.5
BROMOFORM	CLP-VOA	µg/L	2	<2
4-METHYL-2-PENTANONE	CLP-VOA	µg/L	2	<2
2-HEXANONE	CLP-VOA	µg/L	2	<2
TETRACHLOROETHENE	CLP-VOA	µg/L	2	<2
1,1,2,2-TETRACHLOROETHANE	CLP-VOA	µg/L	2	<2
TOLUENE	CLP-VOA	µg/L	2	<2
CHLOROBENZENE	CLP-VOA	µg/L	2	<2
ETHYLBENZENE	CLP-VOA	µg/L	2	<2
STYRENE	CLP-VOA	µg/L	2	<2
XYLENE (TOTAL)	CLP-VOA	µg/L	2	<2

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-011 98-01197-7
CLP SVOA - ROUTINE				
Dilution Factor	CLP-SVOC			1
PHENOL	CLP-SVOC	µg/L	10	<10
BIS(2-CHLOROETHYL)ETHER	CLP-SVOC	µg/L	10	<10
2-CHLOROPHENOL	CLP-SVOC	µg/L	10	<10
1,3-DICHLOROBENZENE	CLP-SVOC	µg/L	5	<5
1,4-DICHLOROBENZENE	CLP-SVOC	µg/L	5	<5
1,2-DICHLOROBENZENE	CLP-SVOC	µg/L	5	<5
2-METHYLPHENOL	CLP-SVOC	µg/L	10	<10
2,2'-OXYBIS(1-CHLOROPROPANE)	CLP-SVOC	µg/L	10	<10
4-METHYLPHENOL (P-CRESOL)	CLP-SVOC	µg/L	10	<10
N-NITROSO-DI-N-PROPYLAMINE	CLP-SVOC	µg/L	10	<10
HEXACHLOROETHANE	CLP-SVOC	µg/L	10	<10
NITROBENZENE	CLP-SVOC	µg/L	10	<10
ISOPHORONE	CLP-SVOC	µg/L	10	<10
2-NITROPHENOL	CLP-SVOC	µg/L	10	<10
2,4-DIMETHYLPHENOL	CLP-SVOC	µg/L	10	<10
BIS(2-CHLOROETHOXY)METHANE	CLP-SVOC	µg/L	10	<10
2,4-DICHLOROPHENOL	CLP-SVOC	µg/L	10	<10
1,2,4-TRICHLOROBENZENE	CLP-SVOC	µg/L	10	<10
NAPHTHALENE	CLP-SVOC	µg/L	10	<10
4-CHLOROANILINE	CLP-SVOC	µg/L	10	<10
HEXACHLOROBUTADIENE	CLP-SVOC	µg/L	10	<10
4-CHLORO-3-METHYLPHENOL	CLP-SVOC	µg/L	10	<10
2-METHYLNAPHTHALENE	CLP-SVOC	µg/L	10	<10
HEXACHLOROCYCLOPENTADIENE	CLP-SVOC	µg/L	10	<10
2,4,6-TRICHLOROPHENOL	CLP-SVOC	µg/L	10	<10
2,4,5-TRICHLOROPHENOL	CLP-SVOC	µg/L	25	<25
2-CHLORONAPHTHALENE	CLP-SVOC	µg/L	10	<10
2-NITROANILINE	CLP-SVOC	µg/L	25	<25
DIMETHYLPHTHALATE	CLP-SVOC	µg/L	10	<10
ACENAPHTHYLENE	CLP-SVOC	µg/L	10	<10
2,6-DINITROTOLUENE	CLP-SVOC	µg/L	10	<10
3-NITROANILINE	CLP-SVOC	µg/L	25	<25
ACENAPHTHENE	CLP-SVOC	µg/L	10	<10
2,4-DINITROPHENOL	CLP-SVOC	µg/L	25	<25
4-NITROPHENOL	CLP-SVOC	µg/L	25	<25
DIBENZOFURAN	CLP-SVOC	µg/L	10	<10
2,4-DINITROTOLUENE	CLP-SVOC	µg/L	10	<10
DIETHYLPHTHALATE	CLP-SVOC	µg/L	10	<10
4-CHLOROPHENYL-PHENYLETHER	CLP-SVOC	µg/L	10	<10
FLUORENE	CLP-SVOC	µg/L	10	<10
4-NITROANILINE	CLP-SVOC	µg/L	25	<25
4,6-DINITRO-2-METHYLPHENOL	CLP-SVOC	µg/L	25	<25
N-NITROSODIPHENYLAMINE (1)	CLP-SVOC	µg/L	10	<10
4-BROMOPHENYL-PHENYLETHER	CLP-SVOC	µg/L	10	<10
HEXACHLOROBENZENE	CLP-SVOC	µg/L	10	<10
PENTACHLOROPHENOL	CLP-SVOC	µg/L	25	<25

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-011 98-01197-7
PHENANTHRENE	CLP-SVOC	µg/L	10	<10
ANTHRACENE	CLP-SVOC	µg/L	10	<10
CARBAZOLE	CLP-SVOC	µg/L	10	<10
DI-N-BUTYLPHTHALATE	CLP-SVOC	µg/L	10	<10
FLUORANTHENE	CLP-SVOC	µg/L	10	<10
PYRENE	CLP-SVOC	µg/L	10	<10
BUTYLBENZYLPHTHALATE	CLP-SVOC	µg/L	10	<10
3,3'-DICHLOROBENZIDINE	CLP-SVOC	µg/L	10	<10
BENZO(A)ANTHRACENE	CLP-SVOC	µg/L	10	<10
CHRYSENE	CLP-SVOC	µg/L	10	<10
BIS(2-ETHYLHEXYL)PHTHALATE	CLP-SVOC	µg/L	4	3J
DI-N-OCTYLPHTHALATE	CLP-SVOC	µg/L	10	<10
BENZO(B)FLUORANTHENE	CLP-SVOC	µg/L	10	<10
BENZO(K)FLUORANTHENE	CLP-SVOC	µg/L	10	<10
BENZO(A)PYRENE	CLP-SVOC	µg/L	10	<10
INDENO(1,2,3-CD)PYRENE	CLP-SVOC	µg/L	10	<10
DIBENZ(A,H)ANTHRACENE	CLP-SVOC	µg/L	10	<10
BENZO(G,H,I)PERYLENE	CLP-SVOC	µg/L	10	<10
CLP: ORGANOCHLORINE PESTICIDES & PCB				
Dilution Factor	CLP-Pest			1
ALPHA-BHC	CLP-Pest	µg/L	0.050	<0.050
BETA-BHC	CLP-Pest	µg/L	0.050	<0.050
DELTA-BHC	CLP-Pest	µg/L	0.050	<0.050
GAMMA-BHC (LINDANE)	CLP-Pest	µg/L	0.050	<0.050
HEPTACHLOR	CLP-Pest	µg/L	0.010	<0.010
ALDRIN	CLP-Pest	µg/L	0.050	<0.050
HEPTACHLOR EPOXIDE	CLP-Pest	µg/L	0.010	<0.010
ENDOSULFAN I	CLP-Pest	µg/L	0.050	<0.050
DIELDRIN	CLP-Pest	µg/L	0.10	<0.10
4,4'-DDE	CLP-Pest	µg/L	0.10	<0.10
ENDRIN	CLP-Pest	µg/L	0.10	<0.10
ENDOSULFAN II	CLP-Pest	µg/L	0.10	<0.10
4,4'-DDD	CLP-Pest	µg/L	0.10	<0.10
ENDOSULFAN SULFATE	CLP-Pest	µg/L	0.10	<0.10
4,4'-DDT	CLP-Pest	µg/L	0.10	<0.10
METHOXYCHLOR	CLP-Pest	µg/L	0.50	<0.50
ENDRIN KETONE	CLP-Pest	µg/L	0.10	<0.10
ENDRIN ALDEHYDE	CLP-Pest	µg/L	0.10	<0.10
ALPHA-CHLORDANE	CLP-Pest	µg/L	0.050	<0.050
GAMMA-CHLORDANE	CLP-Pest	µg/L	0.050	<0.050
TOXAPHENE	CLP-Pest	µg/L	3.0	<3.0
AROCLOR-1016	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1221	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1232	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1242	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1248	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1254	CLP-Pest	µg/L	0.50	<0.50
AROCLOR-1260	CLP-Pest	µg/L	0.50	<0.50

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-011 98-01197-7
DIOXINS AND FURANS [a]				

II. Analysis of Soil Samples

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result NW 122-S14-001 98-01197-1	SW 122-S14-002 98-01197-2	EW 122-S14-003 98-01197-3
PERCENT MOISTURE	ASTM-D2216	W%	0.5	15.6	13.2	17.5
PH	9040	pH unit	0.01	6.99	7.61	7.50
CLP METALS-ROUTINE						
ALUMINUM	CLP-Metal	mg/kg	10.0	6,890	6,140	22,800
ANTIMONY	CLP-Metal	mg/kg	1.2	0.98J	1.1J	1.1J
ARSENIC	CLP-Metal	mg/kg	2.0	5.0	7.6	11.7
BARIUM	CLP-Metal	mg/kg	40.0	48.1	62.5	85.8
BERYLLIUM	CLP-Metal	mg/kg	0.80	<0.95	<0.92	0.27J
CADMIUM	CLP-Metal	mg/kg	1.0	1.0J	1.2	<1.2
CALCIUM	CLP-Metal	mg/kg	1000	3,400	3,560	8,330
CHROMIUM	CLP-Metal	mg/kg	2.0	35.5	42.6	53.1
COBALT	CLP-Metal	mg/kg	10.0	7.3J	6.9J	27.4
COPPER	CLP-Metal	mg/kg	5.0	22.7	21.6	76.4
IRON	CLP-Metal	mg/kg	20.0	13,600	13,200	43,100
LEAD	CLP-Metal	mg/kg	0.60	44.2	56.3	18.0
MAGNESIUM	CLP-Metal	mg/kg	1000	4,040	3,970	13,000
MANGANESE	CLP-Metal	mg/kg	3.0	241	300	1,200
MERCURY	CLP-Metal	mg/kg	0.10	0.080J	0.064J	0.077J
MOLYBDENUM	CLP-Metal	mg/kg	1.0	<1.2	<1.2	<1.2
NICKEL	CLP-Metal	mg/kg	8.0	28.7	35.1	56.4
POTASSIUM	CLP-Metal	mg/kg	1000	644J	565J	1,570
SELENIUM	CLP-Metal	mg/kg	1.0	<1.2	0.40J	0.46J
SILVER	CLP-Metal	mg/kg	2.0	<2.4	<2.3	<2.4
SODIUM	CLP-Metal	mg/kg	1000	<1190	<1150	318J
THALLIUM	CLP-Metal	mg/kg	0.40	<0.47	<0.46	0.84
VANADIUM	CLP-Metal	mg/kg	10.0	24.1	23.2	71.7
ZINC	CLP-Metal	mg/kg	4.0	80.2	101	115
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/kg	0.5	<0.59	<0.58	<0.61
Dilution Factor	M8015E			5	5	5
DIESEL RANGE ORGANICS	M8015E	mg/kg	10	<59	<58	<61
Dilution Factor	M8015E			5	5	5
MOTOR OIL RANGE ORGANICS	M8015E	mg/kg	10	390Y	380Y	760Y

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-001 98-01197-1	122-S14-002 98-01197-2	122-S14-003 98-01197-3
CLP VOA - ROUTINE						
Dilution Factor	CLP-VOA			1	1	1
CHLOROMETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
BROMOMETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
VINYL CHLORIDE	CLP-VOA	µg/kg	10	<12	<12	<12
CHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
METHYLENE CHLORIDE	CLP-VOA	µg/kg	10	<12	<12	<12
ACETONE	CLP-VOA	µg/kg	10	6J	7J	4J
CARBON DISULFIDE	CLP-VOA	µg/kg	10	<12	<12	<12
1,1-DICHLOROETHENE	CLP-VOA	µg/kg	10	<12	<12	<12
1,1-DICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
1,2-DICHLOROETHENE (TOTAL)	CLP-VOA	µg/kg	10	<12	<12	<12
CHLOROFORM	CLP-VOA	µg/kg	10	<12	<12	<12
1,2-DICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
2-BUTANONE	CLP-VOA	µg/kg	10	<12	<12	<12
1,1,1-TRICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
CARBON TETRACHLORIDE	CLP-VOA	µg/kg	10	<12	<12	<12
BROMODICHLOROMETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
1,2-DICHLOROPROPANE	CLP-VOA	µg/kg	10	<12	<12	<12
CIS-1,3-DICHLOROPROPENE	CLP-VOA	µg/kg	10	<12	<12	<12
TRICHLOROETHENE	CLP-VOA	µg/kg	10	<12	<12	<12
DIBROMOCHLOROMETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
1,1,2-TRICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
BENZENE	CLP-VOA	µg/kg	10	<12	<12	<12
TRANS-1,3-DICHLOROPROPENE	CLP-VOA	µg/kg	10	<12	<12	<12
BROMOFORM	CLP-VOA	µg/kg	10	<12	<12	<12
4-METHYL-2-PENTANONE	CLP-VOA	µg/kg	10	<12	<12	<12
2-HEXANONE	CLP-VOA	µg/kg	10	<12	<12	<12
TETRACHLOROETHENE	CLP-VOA	µg/kg	10	<12	<12	<12
1,1,2,2-TETRACHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<12
TOLUENE	CLP-VOA	µg/kg	10	<12	<12	<12
CHLOROBENZENE	CLP-VOA	µg/kg	10	<12	<12	<12
ETHYLBENZENE	CLP-VOA	µg/kg	10	<12	<12	<12
STYRENE	CLP-VOA	µg/kg	10	<12	<12	<12
XYLENE (TOTAL)	CLP-VOA	µg/kg	10	<12	<12	<12

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Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-001 98-01197-1	122-S14-002 98-01197-2	122-S14-003 98-01197-3
CLP SVOA - ROUTINE						
Dilution Factor	CLP-SVOC			10	10	1
PHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BIS(2-CHLOROETHYL)ETHER	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2-CHLOROPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
1,3-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<1900	<1800	<780
1,4-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<1900	<1800	<780
1,2-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<1900	<1800	<780
2-METHYLPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,2'-OXYBIS(1-CHLOROPROPANE)	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
4-METHYLPHENOL (P-CRESOL)	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
N-NITROSO-DI-N-PROPYLAMINE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
HEXACHLOROETHANE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
NITROBENZENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
ISOPHORONE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2-NITROPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,4-DIMETHYLPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BIS(2-CHLOROETHOXY)METHANE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,4-DICHLOROPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
1,2,4-TRICHLOROBENZENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
NAPHTHALENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
4-CHLOROANILINE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
HEXACHLOROBUTADIENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
4-CHLORO-3-METHYLPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2-METHYLNAPHTHALENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
HEXACHLOROCYCLOPENTADIENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,4,6-TRICHLOROPHENOL	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,4,5-TRICHLOROPHENOL	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
2-CHLORONAPHTHALENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2-NITROANILINE	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
DIMETHYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
ACENAPHTHYLENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,6-DINITROTOLUENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
3-NITROANILINE	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
ACENAPHTHENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,4-DINITROPHENOL	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
4-NITROPHENOL	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
DIBENZOFURAN	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
2,4-DINITROTOLUENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
DIETHYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
4-CHLOROPHENYL-PHENYLETHER	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
FLUORENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
4-NITROANILINE	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
4,6-DINITRO-2-METHYLPHENOL	CLP-SVOC	µg/kg	830	<9900	<9600	<4000
N-NITROSODIPHENYLAMINE (1)	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
4-BROMOPHENYL-PHENYLETHER	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
HEXACHLOROBENZENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
PENTACHLOROPHENOL	CLP-SVOC	µg/kg	830	<9900	<9600	<4000

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Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-001 98-01197-1	122-S14-002 98-01197-2	122-S14-003 98-01197-3
PHENANTHRENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
ANTHRACENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
CARBAZOLE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
DI-N-BUTYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
FLUORANTHENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
PYRENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BUTYLBENZYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
3,3'-DICHLOROBENZIDINE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BENZO(A)ANTHRACENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
CHRYSENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BIS(2-ETHYLHEXYL)PHTHALATE	CLP-SVOC	µg/kg	130	510J	<1500	350J
DI-N-OCTYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BENZO(B)FLUORANTHENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BENZO(K)FLUORANTHENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BENZO(A)PYRENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
INDENO(1,2,3-CD)PYRENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
DIBENZ(A,H)ANTHRACENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
BENZO(G,H,I)PERYLENE	CLP-SVOC	µg/kg	330	<3900	<3800	<1600
CLP: ORGANOCHLORINE PESTICIDES & PCB						
Dilution Factor	CLP-Pest			1	1	1
ALPHA-BHC	CLP-Pest	µg/kg	1.7	<2.0	<2.0	<2.1
BETA-BHC	CLP-Pest	µg/kg	1.7	<2.0	<2.0	<2.1
DELTA-BHC	CLP-Pest	µg/kg	1.7	<2.0	<2.0	<2.1
GAMMA-BHC (LINDANE)	CLP-Pest	µg/kg	1.7	<2.0	<2.0	<2.1
HEPTACHLOR	CLP-Pest	µg/kg	0.30	<0.36	<0.35	<0.36
ALDRIN	CLP-Pest	µg/kg	1.7	<2.0	<2.0	<2.1
HEPTACHLOR EPOXIDE	CLP-Pest	µg/kg	0.30	<0.36	<0.35	<0.36
ENDOSULFAN I	CLP-Pest	µg/kg	1.7	<2.0	<2.0	<2.1
DIELDRIN	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
4,4'-DDE	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
ENDRIN	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
ENDOSULFAN II	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
4,4'-DDD	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
ENDOSULFAN SULFATE	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
4,4'-DDT	CLP-Pest	µg/kg	3.3	2.6J	<3.8	<4.0
METHOXYCHLOR	CLP-Pest	µg/kg	17	<20	<20	<21
ENDRIN KETONE	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
ENDRIN ALDEHYDE	CLP-Pest	µg/kg	3.3	<3.9	<3.8	<4.0
ALPHA-CHLORDANE	CLP-Pest	µg/kg	1.7	1.6J	2.2	1.5J
GAMMA-CHLORDANE	CLP-Pest	µg/kg	1.7	2.8	3.1	1.8J
TOXAPHENE	CLP-Pest	µg/kg	85	<100	<98	<100
AROCLOR-1016	CLP-Pest	µg/kg	16	<19	<18	<19
AROCLOR-1221	CLP-Pest	µg/kg	16	<19	<18	<19
AROCLOR-1232	CLP-Pest	µg/kg	16	<19	<18	<19
AROCLOR-1242	CLP-Pest	µg/kg	16	<19	<18	<19
AROCLOR-1248	CLP-Pest	µg/kg	16	<19	<18	<19
AROCLOR-1254	CLP-Pest	µg/kg	16	<19	<18	<19
AROCLOR-1260	CLP-Pest	µg/kg	16	<19	<18	<19

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-001 98-01197-1	122-S14-002 98-01197-2	122-S14-003 98-01197-3
DIOXINS AND FURANS [a]						

Component Analyzed	Method	Unit	CRDL (PQL)	WW Analysis Result 122-S14-004 98-01197-4	122-S14-005 Bott-South 98-01197-5	122-S14-006 Bott-North 98-01197-6
PERCENT MOISTURE	ASTM-D2216	W%	0.5	15.3	17.9	11.7
PH	9040	pH unit	0.01	7.33	7.26	7.37
CLP METALS-ROUTINE						
ALUMINUM	CLP-Metal	mg/kg	10.0	22,800	9,950	9,340
ANTIMONY	CLP-Metal	mg/kg	1.2	0.93J	0.76J	1.1J
ARSENIC	CLP-Metal	mg/kg	2.0	6.6	5.9	7.0
BARIUM	CLP-Metal	mg/kg	40.0	134	62.8	82.4
BERYLLIUM	CLP-Metal	mg/kg	0.80	0.18J	<0.97	<0.91
CADMIUM	CLP-Metal	mg/kg	0.20	<0.24	0.25	1.8
CALCIUM	CLP-Metal	mg/kg	1000	4,930	3,310	6,510
CHROMIUM	CLP-Metal	mg/kg	2.0	47.3	48.1	52.0
COBALT	CLP-Metal	mg/kg	10.0	24.8	11.4J	8.2J
COPPER	CLP-Metal	mg/kg	0.80	77.7	26.0	48.8
IRON	CLP-Metal	mg/kg	20.0	36,900	18,500	16,700
LEAD	CLP-Metal	mg/kg	0.60	13.5	22.2	92.0
MAGNESIUM	CLP-Metal	mg/kg	1000	11,900	5,570	4,220
MANGANESE	CLP-Metal	mg/kg	3.0	953	351	285
MERCURY	CLP-Metal	mg/kg	0.10	0.088J	0.058J	0.16
MOLYBDENUM	CLP-Metal	mg/kg	1.0	<1.2	<1.2	<1.1
NICKEL	CLP-Metal	mg/kg	1.6	53.7	39.0	36.7
POTASSIUM	CLP-Metal	mg/kg	1000	2,320	988J	1,000J
SELENIUM	CLP-Metal	mg/kg	1.0	<1.2	<1.2	<1.1
SILVER	CLP-Metal	mg/kg	0.40	<0.47	<0.49	<0.45
SODIUM	CLP-Metal	mg/kg	1000	121J	<1220	599J
THALLIUM	CLP-Metal	mg/kg	0.40	0.28J	<0.49	<0.45
VANADIUM	CLP-Metal	mg/kg	10.0	66.6	33.4	33.1
ZINC	CLP-Metal	mg/kg	4.0	119	69.6	117
Dilution Factor	M8015V			1	1	1
GASOLINE RANGE ORGANICS	M8015V	mg/kg	0.5	<0.59	<0.61	<0.57
Dilution Factor	M8015E			5	5	1
DIESEL RANGE ORGANICS	M8015E	mg/kg	10	<59	100 [b]	<11
Dilution Factor	M8015E			5	5	1
MOTOR OIL RANGE ORGANICS	M8015E	mg/kg	10	340Y	340Y	10JY

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Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-004 98-01197-4	122-S14-005 98-01197-5	122-S14-006 98-01197-6
CLP VOA - ROUTINE						
Dilution Factor	CLP-VOA			1	1	1
CHLOROMETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
BROMOMETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
VINYL CHLORIDE	CLP-VOA	µg/kg	10	<12	<12	<11
CHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
METHYLENE CHLORIDE	CLP-VOA	µg/kg	10	<12	<12	<11
ACETONE	CLP-VOA	µg/kg	10	8J	6J	6J
CARBON DISULFIDE	CLP-VOA	µg/kg	10	<12	<12	<11
1,1-DICHLOROETHENE	CLP-VOA	µg/kg	10	<12	<12	<11
1,1-DICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
1,2-DICHLOROETHENE (TOTAL)	CLP-VOA	µg/kg	10	<12	<12	<11
CHLOROFORM	CLP-VOA	µg/kg	10	<12	<12	<11
1,2-DICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
2-BUTANONE	CLP-VOA	µg/kg	10	<12	<12	<11
1,1,1-TRICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
CARBON TETRACHLORIDE	CLP-VOA	µg/kg	10	<12	<12	<11
BROMODICHLOROMETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
1,2-DICHLOROPROPANE	CLP-VOA	µg/kg	10	<12	<12	<11
CIS-1,3-DICHLOROPROPENE	CLP-VOA	µg/kg	10	<12	<12	<11
TRICHLOROETHENE	CLP-VOA	µg/kg	10	<12	<12	<11
DIBROMOCHLOROMETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
1,1,2-TRICHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
BENZENE	CLP-VOA	µg/kg	10	<12	<12	<11
TRANS-1,3-DICHLOROPROPENE	CLP-VOA	µg/kg	10	<12	<12	<11
BROMOFORM	CLP-VOA	µg/kg	10	<12	<12	<11
4-METHYL-2-PENTANONE	CLP-VOA	µg/kg	10	<12	<12	<11
2-HEXANONE	CLP-VOA	µg/kg	10	<12	<12	<11
TETRACHLOROETHENE	CLP-VOA	µg/kg	10	<12	<12	<11
1,1,2,2-TETRACHLOROETHANE	CLP-VOA	µg/kg	10	<12	<12	<11
TOLUENE	CLP-VOA	µg/kg	10	<12	<12	<11
CHLOROBENZENE	CLP-VOA	µg/kg	10	<12	<12	<11
ETHYLBENZENE	CLP-VOA	µg/kg	10	<12	<12	<11
STYRENE	CLP-VOA	µg/kg	10	<12	<12	<11
XYLENE (TOTAL)	CLP-VOA	µg/kg	10	<12	<12	<11

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Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-004 98-01197-4	122-S14-005 98-01197-5	122-S14-006 98-01197-6
CLP SVOA - ROUTINE						
Dilution Factor	CLP-SVOC			10	1	1
PHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
BIS(2-CHLOROETHYL)ETHER	CLP-SVOC	µg/kg	330	<3900	<400	<370
2-CHLOROPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
1,3-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<1900	<190	<180
1,4-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<1900	<190	<180
1,2-DICHLOROBENZENE	CLP-SVOC	µg/kg	160	<1900	<190	<180
2-METHYLPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,2'-OXYBIS(1-CHLOROPROPANE)	CLP-SVOC	µg/kg	330	<3900	<400	<370
4-METHYLPHENOL (P-CRESOL)	CLP-SVOC	µg/kg	330	<3900	<400	<370
N-NITROSO-DI-N-PROPYLAMINE	CLP-SVOC	µg/kg	330	<3900	<400	<370
HEXACHLOROETHANE	CLP-SVOC	µg/kg	330	<3900	<400	<370
NITROBENZENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
ISOPHORONE	CLP-SVOC	µg/kg	330	<3900	<400	<370
2-NITROPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,4-DIMETHYLPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
BIS(2-CHLOROETHOXY)METHANE	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,4-DICHLOROPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
1,2,4-TRICHLOROBENZENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
NAPHTHALENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
4-CHLOROANILINE	CLP-SVOC	µg/kg	330	<3900	<400	<370
HEXACHLOROBUTADIENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
4-CHLORO-3-METHYLPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
2-METHYLNAPHTHALENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
HEXACHLOROCYCLOPENTADIENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,4,6-TRICHLOROPHENOL	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,4,5-TRICHLOROPHENOL	CLP-SVOC	µg/kg	830	<9800	<1000	<940
2-CHLORONAPHTHALENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
2-NITROANILINE	CLP-SVOC	µg/kg	830	<9800	<1000	<940
DIMETHYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<400	<370
ACENAPHTHYLENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,6-DINITROTOLUENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
3-NITROANILINE	CLP-SVOC	µg/kg	830	<9800	<1000	<940
ACENAPHTHENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,4-DINITROPHENOL	CLP-SVOC	µg/kg	830	<9800	<1000	<940
4-NITROPHENOL	CLP-SVOC	µg/kg	830	<9800	<1000	<940
DIBENZOFURAN	CLP-SVOC	µg/kg	330	<3900	<400	<370
2,4-DINITROTOLUENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
DIETHYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<400	<370
4-CHLOROPHENYL-PHENYLETHER	CLP-SVOC	µg/kg	330	<3900	<400	<370
FLUORENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
4-NITROANILINE	CLP-SVOC	µg/kg	830	<9800	<1000	<940
4,6-DINITRO-2-METHYLPHENOL	CLP-SVOC	µg/kg	830	<9800	<1000	<940
N-NITROSODIPHENYLAMINE (1)	CLP-SVOC	µg/kg	330	<3900	<400	<370
4-BROMOPHENYL-PHENYLETHER	CLP-SVOC	µg/kg	330	<3900	<400	<370
HEXACHLOROBENZENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
PENTACHLOROPHENOL	CLP-SVOC	µg/kg	830	<9800	<1000	<940

Applied P & Ch Laboratory
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Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-004 98-01197-4	122-S14-005 98-01197-5	122-S14-006 98-01197-6
PHENANTHRENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
ANTHRACENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
CARBAZOLE	CLP-SVOC	µg/kg	330	<3900	<400	<370
DI-N-BUTYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<400	<370
FLUORANTHENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
PYRENE	CLP-SVOC	µg/kg	330	<3900	62J	<370
BUTYLBENZYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<400	<370
3,3'-DICHLOROBENZIDINE	CLP-SVOC	µg/kg	330	<3900	<400	<370
BENZO(A)ANTHRACENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
CHRYSENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
BIS(2-ETHYLHEXYL)PHTHALATE	CLP-SVOC	µg/kg	130	<1500	<160	86J
DI-N-OCTYLPHTHALATE	CLP-SVOC	µg/kg	330	<3900	<400	<370
BENZO(B)FLUORANTHENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
BENZO(K)FLUORANTHENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
BENZO(A)PYRENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
INDENO(1,2,3-CD)PYRENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
DIBENZ(A,H)ANTHRACENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
BENZO(G,H,I)PERYLENE	CLP-SVOC	µg/kg	330	<3900	<400	<370
CLP: ORGANOCHLORINE PESTICIDES & PCB						
Dilution Factor	CLP-Pest			1	1	1
ALPHA-BHC	CLP-Pest	µg/kg	1.7	<2.0	<2.1	<1.9
BETA-BHC	CLP-Pest	µg/kg	1.7	<2.0	<2.1	<1.9
DELTA-BHC	CLP-Pest	µg/kg	1.7	<2.0	<2.1	<1.9
GAMMA-BHC (LINDANE)	CLP-Pest	µg/kg	1.7	<2.0	<2.1	<1.9
HEPTACHLOR	CLP-Pest	µg/kg	0.30	<0.35	<0.37	<0.34
ALDRIN	CLP-Pest	µg/kg	1.7	<2.0	<2.1	<1.9
HEPTACHLOR EPOXIDE	CLP-Pest	µg/kg	0.30	<0.35	<0.37	<0.34
ENDOSULFAN I	CLP-Pest	µg/kg	1.7	<2.0	<2.1	<1.9
DIELDRIN	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
4,4'-DDE	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
ENDRIN	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
ENDOSULFAN II	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
4,4'-DDD	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
ENDOSULFAN SULFATE	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
4,4'-DDT	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
METHOXYCHLOR	CLP-Pest	µg/kg	17	<20	<21	<19
ENDRIN KETONE	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
ENDRIN ALDEHYDE	CLP-Pest	µg/kg	3.3	<3.9	<4.0	<3.7
ALPHA-CHLORDANE	CLP-Pest	µg/kg	1.7	1.6J	5.1	<1.9
GAMMA-CHLORDANE	CLP-Pest	µg/kg	1.7	2.1	7.6	<1.9
TOXAPHENE	CLP-Pest	µg/kg	85	<100	<100	<96

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APCL Analytical Report

Component Analyzed	Method	Unit	CRDL (PQL)	Analysis Result 122-S14-004 98-01197-4	122-S14-005 98-01197-5	122-S14-006 98-01197-6
AROCLOR-1016	CLP-Pest	µg/kg	16	<19	<19	<18
AROCLOR-1221	CLP-Pest	µg/kg	16	<19	<19	<18
AROCLOR-1232	CLP-Pest	µg/kg	16	<19	<19	<18
AROCLOR-1242	CLP-Pest	µg/kg	16	<19	<19	<18
AROCLOR-1248	CLP-Pest	µg/kg	16	<19	<19	<18
AROCLOR-1254	CLP-Pest	µg/kg	16	<19	<19	<18
AROCLOR-1260	CLP-Pest	µg/kg	16	<19	<19	<18
DIOXINS AND FURANS [a]						

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
† All results are reported on dry basis for soil samples.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0
[a] Dioxin samples subcontracted to Southwest Research.
[b] Mixture of JP-5 and diesel.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

1DFA

PCDD/PCDF SAMPLE DATA SUMMARY

210-522-2169 Joanne

CLIENT ID.
514-007
98-1267-4

AEP03
122-514-007
IDW soil

Lab Name: SWRI Project: 01-1201-069
Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APLC SDG No.: 101856
Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101857
Sample wt/vol: 10.0 (g/mL) g Lab File ID: Z0212815
Soil Sample Prep: Soxhlet Date Received: 02/02/98
Concentrated Extract Volume: 25 uL Date Extracted: 02/06/98
Injection Volume: 1.0 uL % Solids: 90 Date Analyzed: 02/13/98
GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322	22.53	0.57	*		R	0.0491	0.139
2378-TCDF	304/306	21.72	0.85		0.039	J		0.139
12378-PeCDF	342/340	26.63	1.55		0.097	J		0.139
12378-PeCDD	358/356	28.27	2.32	*		R	0.1362	0.139
23478-PeCDF	342/340					U	0.0043	0.139
123478-HxCDF	376/374	32.14	1.59	*		R	0.0216	0.347
123678-HxCDF	376/374	32.27	1.26		0.229	J		0.347
123478-HxCDD	392/390	33.11	1.59	*		R	0.0213	0.347
123678-HxCDD	392/390	33.20	1.27		0.290	J		0.347
123789-HxCDD	392/390	33.51	1.28		0.051	J		0.347
234678-HxCDF	376/374	32.94	1.26		0.005	J		0.347
123789-HxCDF	376/374					U	0.0064	0.347
1234678-HpCDF	410/408	35.23	1.03		0.446			0.347
1234678-HpCDD	424/426	36.06	1.01		1.299			0.347
1234789-HpCDF	410/408	36.38	0.92		0.015	J		0.347
OCDD	458/460	38.57	0.89		6.443			0.694
OCDF	442/444	38.67	0.91		1.233			0.694

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.52	0.80		0.65 - 0.89	76		25 - 150
13C-2378-TCDF	316/318	21.71	0.81		0.65 - 0.89	79		25 - 150
13C-123678-HxCDD	402/404	33.19	1.26		1.05 - 1.43	85		25 - 150
13C-1234678-HpCDF	420/422	35.22	1.06		0.88 - 1.20	81		25 - 150
13C-OCDD	470/472	38.56	0.90		0.76 - 1.01	86		25 - 150
37Cl-2378-TCDD	328/NA	22.53	NA		NA	0		25 - 150

R

Column to be used to flag values outside QC limits

FORM I PCDD-1

ND

1DFA
PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.
S14-008
98-1267-5

AEP03
122-S-14
IDW
Water

Lab Name: SWRI Project: 01-1201-069
Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APLC SDG No.: 101856
Matrix: WATER (Soil/Water/Waste/Ash) Lab Sample ID: 101856
Sample wt/vol: 500.0 (g/mL) mL Lab File ID: Z0212804
Soil Sample Prep: Separatory Date Received: 02/02/98
Concentrated Extract Volume: 25 uL Date Extracted: 02/02/98
Injection Volume: 1.0 uL % Solids: NA Date Analyzed: 02/12/98
GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ng/L

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322	22.58	0.80		0.222	J		2.500
2378-TCDF	304/306	21.77	0.81		0.286	J		2.500
12378-PeCDF	342/340	26.68	1.53		0.844	J		2.500
12378-PeCDD	358/356	28.31	2.22	*		R	1.4580	2.500
23478-PeCDF	342/340					U	0.0518	2.500
123478-HxCDF	376/374					U	0.0625	6.250
123678-HxCDF	376/374	32.32	1.27		2.239	J		6.250
123478-HxCDD	392/390					U	0.1529	6.250
123678-HxCDD	392/390	33.24	1.22		3.037	J		6.250
123789-HxCDD	392/390	33.55	0.91	*		R	0.0840	6.250
234678-HxCDF	376/374					U	0.0462	6.250
123789-HxCDF	376/374					U	0.0479	6.250
1234678-HpCDF	410/408	35.27	1.06		3.979	J		6.250
1234678-HpCDD	424/426	36.10	1.03		4.286	J		6.250
1234789-HpCDF	410/408					U	0.1143	6.250
OCDD	458/460	38.61	0.90		14.347			12.500
OCDF	442/444	38.71	0.91		12.932			12.500

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.56	0.79		0.65 - 0.89	81		25 - 150
13C-2378-TCDF	316/318	21.75	0.80		0.65 - 0.89	85		25 - 150
13C-123678-HxCDD	402/404	33.23	1.25		1.05 - 1.43	88		25 - 150
13C-1234678-HpCDF	420/422	35.26	1.06		0.88 - 1.20	84		25 - 150
13C-OCDD	470/472	38.60	0.90		0.76 - 1.01	90		25 - 150
37Cl-2378-TCDD	328/NA	22.58	NA		NA	0		25 - 150

Column to be used to flag values outside QC limits

FORM I PCDD-1

NO

010106

1DFA

PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.

98-1197-7

AE01

oil

Sump water

Lab Name: SWRI Project: 01-8541-204

Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475

Matrix: WATER (Soil/Water/Waste/Ash) Lab Sample ID: 101481

Sample wt/vol: 100.0 (g/mL) mL Lab File ID: Z0208803

Soil Sample Prep: Separatory Date Received: 01/23/98

Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98

Injection Volume: 1.0 uL % Solids: NA Date Analyzed: 02/08/98

GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ng/L

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.5289	12.500
2378-TCDF	304/306					U	0.2425	12.500
12378-PeCDF	342/340					U	0.2718	12.500
12378-PeCDD	358/356	28.35	7.57	•		R	4.2566	12.500
23478-PeCDF	342/340					U	0.1781	12.500
123478-HxCDF	376/374	32.20	0.56	•		R	1.2592	31.250
123678-HxCDF	376/374	32.34	0.32	•		R	0.7354	31.250
123478-HxCDD	392/390	33.20	1.50	•		R	1.6093	31.250
123678-HxCDD	392/390	33.30	3.55	•		R	5.1557	31.250
123789-HxCDD	392/390	33.57	0.08	•		R	0.9064	31.250
234678-HxCDF	376/374					U	0.4591	31.250
123789-HxCDF	376/374					U	0.4223	31.250
1234678-HpCDF	410/408	35.35	0.95		4.237	J		31.250
1234678-HpCDD	424/426	36.15	1.00		48.430			31.250
1234789-HpCDF	410/408	36.46	0.58	•		R	0.3095	31.250
OCDD	458/460	38.66	0.88		260.900			62.500
OCDF	442/444	38.76	0.92		3.915	J		62.500

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.60	0.79		0.65 - 0.89	44		30 - 150
13C-2378-TCDF	316/318	21.77	0.79		0.65 - 0.89	56		30 - 150
13C-123678-HxCDD	402/404	33.27	1.33		1.05 - 1.43	63		30 - 150
13C-1234678-HpCDF	420/422	35.35	1.06		0.88 - 1.20	51		30 - 150
13C-OCDD	470/472	38.65	0.87		0.76 - 1.01	77		30 - 150
37Cl-2378-TCDD	328/NA	22.60	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

010089

1DFA

PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.

98-1197-6

AEP01 00L BIT-N

Lab Name: SWRI Project: 01-8541-204

Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475

Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101480

Sample wt/vol: 10.1 (g/mL) g Lab File ID: Z0208810

Soil Sample Prep: Soxhlet Date Received: 01/23/98

Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98

Injection Volume: 1.0 uL % Solids: 89 Date Analyzed: 02/08/98

GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.0100	0.139
2378-TCDF	304/306					U	0.0059	0.139
12378-PeCDF	342/340					U	0.0031	0.139
12378-PeCDD	358/356	28.32	4.89	•		R	0.0933	0.139
23478-PeCDF	342/340					U	0.0034	0.139
123478-HxCDF	376/374	32.20	1.37		0.038	J		0.348
123678-HxCDF	376/374	32.34	1.54	•		R	0.0131	0.348
123478-HxCDD	392/390	33.17	1.35		0.034	J		0.348
123678-HxCDD	392/390	33.27	1.20		0.077	J		0.348
123789-HxCDD	392/390	33.57	1.38		0.079	J		0.348
234678-HxCDF	376/374	32.99	0.81	•		R	0.0049	0.348
123789-HxCDF	376/374					U	0.0053	0.348
1234678-HpCDF	410/408	35.31	1.00		0.097	J		0.348
1234678-HpCDD	424/426	36.14	1.02		1.892			0.348
1234789-HpCDF	410/408	36.44	0.98		0.010	J		0.348
OCDD	458/460	38.67	0.90		8.427			0.695
OCDF	442/444	38.76	0.83		0.100	J		0.695

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.58	0.79		0.65 - 0.89	49		30 - 150
13C-2378-TCDF	316/318	21.77	0.80		0.65 - 0.89	51		30 - 150
13C-123678-HxCDD	402/404	33.25	1.26		1.05 - 1.43	55		30 - 150
13C-1234678-HpCDF	420/422	35.30	1.07		0.88 - 1.20	49		30 - 150
13C-OCDD	470/472	38.66	0.90		0.76 - 1.01	66		30 - 150
37Cl-2378-TCDD	328/NA	22.63	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

01072

1DFA

PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.

98-1197-5

AE101 005 Bott-S

Lab Name: SWRI Project: 01-8541-204

Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475

Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101479

Sample wt/vol: 10.2 (g/mL) g Lab File ID: Z0208809

Soil Sample Prep: Soxhlet Date Received: 01/23/98

Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98

Injection Volume: 1.0 uL % Solids: 97 Date Analyzed: 02/08/98

GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.0024	0.126
2378-TCDF	304/306					U	0.0028	0.126
12378-PeCDF	342/340					U	0.0010	0.126
12378-PeCDD	358/356	28.30	5.16	•		R	0.0578	0.126
23478-PeCDF	342/340					U	0.0011	0.126
123478-HxCDF	376/374	32.15	2.73	•		R	0.0108	0.316
123678-HxCDF	376/374					U	0.0068	0.316
123478-HxCDD	392/390					U	0.0094	0.316
123678-HxCDD	392/390	33.23	1.13		0.025	J		0.316
123789-HxCDD	392/390	33.54	1.08		0.025	J		0.316
234678-HxCDF	376/374					U	0.0117	0.316
123789-HxCDF	376/374	33.73	0.39	•		R	0.0070	0.316
1234678-HpCDF	410/408	35.26	0.88		0.034	J		0.316
1234678-HpCDD	424/426	36.09	1.06		0.472			0.316
1234789-HpCDF	410/408					U	0.0226	0.316
OCDD	458/460	38.60	0.90		2.646			0.632
OCDF	442/444	38.70	0.81		0.026	J		0.632

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.55	0.79		0.65 - 0.89	46		30 - 150
13C-2378-TCDF	316/318	21.74	0.80		0.65 - 0.89	47		30 - 150
13C-123678-HxCDD	402/404	33.22	1.27		1.05 - 1.43	53		30 - 150
13C-1234678-HpCDF	420/422	35.25	1.07		0.88 - 1.20	42		30 - 150
13C-OCDD	470/472	38.60	0.89		0.76 - 1.01	45		30 - 150
37Cl-2378-TCDD	328/NA	22.64	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

010055

1DFA
PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.
98-1197-4

AEP01
004
WW

Lab Name: SWRI Project: 01-8541-204
Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475
Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101478
Sample wt/vol: 10.4 (g/mL) g Lab File ID: Z0208808
Soil Sample Prep: Soxhlet Date Received: 01/23/98
Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98
Injection Volume: 1.0 uL % Solids: 79 Date Analyzed: 02/08/98
GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.0025	0.152
2378-TCDF	304/306					U	0.0025	0.152
12378-PeCDF	342/340					U	0.0019	0.152
12378-PeCDD	358/356	28.33	5.13	•		R	0.0391	0.152
23478-PeCDF	342/340					U	0.0018	0.152
123478-HxCDF	376/374					U	0.0024	0.380
123678-HxCDF	376/374					U	0.0032	0.380
123478-HxCDD	392/390					U	0.0077	0.380
123678-HxCDD	392/390					U	0.0126	0.380
123789-HxCDD	392/390					U	0.0108	0.380
234678-HxCDF	376/374					U	0.0048	0.380
123789-HxCDF	376/374					U	0.0047	0.380
1234678-HpCDF	410/408					U	0.0111	0.380
1234678-HpCDD	424/426	36.11	1.49	•		R	0.0702	0.380
1234789-HpCDF	410/408					U	0.0079	0.380
OCDD	458/460	38.63	0.88		0.296	J		0.761
OCDF	442/444					U	0.0121	0.761

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.58	0.79		0.65 - 0.89	65		30 - 150
13C-2378-TCDF	316/318	21.77	0.79		0.65 - 0.89	75		30 - 150
13C-123678-HxCDD	402/404	33.24	1.24		1.05 - 1.43	79		30 - 150
13C-1234678-HpCDF	420/422	35.27	1.07		0.88 - 1.20	65		30 - 150
13C-OCDD	470/472	38.62	0.91		0.76 - 1.01	64		30 - 150
37Cl-2378-TCDD	328/NA	22.61	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

010038

1DFA

PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.

98-1197-3

AEP01 003 EW

Lab Name: SWRI Project: 01-8541-204

Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475

Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101477

Sample wt/vol: 10.4 (g/mL) g Lab File ID: Z0208807

Soil Sample Prep: Soxhlet Date Received: 01/23/98

Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98

Injection Volume: 1.0 uL % Solids: 84 Date Analyzed: 02/08/98

GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.0032	0.143
2378-TCDF	304/306					U	0.0019	0.143
12378-PeCDF	342/340					U	0.0028	0.143
12378-PeCDD	358/356	28.32	11.99	*		R	0.0307	0.143
23478-PeCDF	342/340					U	0.0019	0.143
123478-HxCDF	376/374					U	0.0060	0.358
123678-HxCDF	376/374					U	0.0049	0.358
123478-HxCDD	392/390					U	0.0119	0.358
123678-HxCDD	392/390					U	0.0147	0.358
123789-HxCDD	392/390					U	0.0146	0.358
234678-HxCDF	376/374					U	0.0065	0.358
123789-HxCDF	376/374	33.77	0.31	*		R	0.0073	0.358
1234678-HpCDF	410/408					U	0.0060	0.358
1234678-HpCDD	424/426	36.11	2.55	*		R	0.0373	0.358
1234789-HpCDF	410/408					U	0.0071	0.358
OCDD	458/460	38.62	0.87		0.096	J		0.715
OCDF	442/444					U	0.0087	0.715

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.58	0.79		0.65 - 0.89	71		30 - 150
13C-2378-TCDF	316/318	21.75	0.80		0.65 - 0.89	87		30 - 150
13C-123678-HxCDD	402/404	33.24	1.25		1.05 - 1.43	90		30 - 150
13C-1234678-HpCDF	420/422	35.27	1.08		0.88 - 1.20	75		30 - 150
13C-OCDD	470/472	38.61	0.90		0.76 - 1.01	73		30 - 150
37Cl-2378-TCDD	328/NA	22.56	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

010021

1DFA

PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.

98-1197-2

AEA01 002 SW

Lab Name: SWRI Project: 01-8541-204

Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475

Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101476

Sample wt/vol: 10.2 (g/mL) g Lab File ID: Z0208806

Soil Sample Prep: Soxhlet Date Received: 01/23/98

Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98

Injection Volume: 1.0 uL % Solids: 85 Date Analyzed: 02/08/98

GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.0051	0.144
2378-TCDF	304/306					U	0.0022	0.144
12378-PeCDF	342/340					U	0.0032	0.144
12378-PeCDD	358/356	28.32	4.62	*		R	0.0839	0.144
23478-PeCDF	342/340					U	0.0055	0.144
123478-HxCDF	376/374					U	0.0093	0.360
123678-HxCDF	376/374					U	0.0116	0.36
123478-HxCDD	392/390					U	0.0205	0.360
123678-HxCDD	392/390	33.28	2.05	*		R	0.0515	0.360
123789-HxCDD	392/390	33.59	1.34		0.040	J		0.360
234678-HxCDF	376/374					U	0.0155	0.360
123789-HxCDF	376/374					U	0.0119	0.360
1234678-HpCDF	410/408	35.31	1.24		0.037	J		0.360
1234678-HpCDD	424/426	36.14	1.07		0.730			0.360
1234789-HpCDF	410/408					U	0.0228	0.360
OCDD	458/460	38.67	0.89		3.229			0.721
OCDF	442/444	38.77	0.98		0.047	J		0.721

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.56	0.78		0.65 - 0.89	48		30 - 150
13C-2378-TCDF	316/318	21.75	0.79		0.65 - 0.89	51		30 - 150
13C-123678-HxCDD	402/404	33.25	1.27		1.05 - 1.43	49		30 - 150
13C-1234678-HpCDF	420/422	35.30	1.07		0.88 - 1.20	41		30 - 150
13C-OCDD	470/472	38.66	0.91		0.76 - 1.01	55		30 - 150
37Cl-2378-TCDD	328/NA	22.56	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

010004

1DFA
PCDD/PCDF SAMPLE DATA SUMMARY

CLIENT ID.
98-1197-1

AEP01
122-514-00
NW

Lab Name: SWRI Project: 01-8541-204
Lab Code: SWRI Client: APPLIED P&CH LABORATORY Case No: APCL SDG No.: 101475
Matrix: SOIL (Soil/Water/Waste/Ash) Lab Sample ID: 101475
Sample wt/vol: 10.1 (g/mL) g Lab File ID: Z0208805
Soil Sample Prep: Soxhlet Date Received: 01/23/98
Concentrated Extract Volume: 25 uL Date Extracted: 01/27/98
Injection Volume: 1.0 uL % Solids: 85 Date Analyzed: 02/08/98
GC Column: DB-5 ID: .32 (mm) Dilution Factor: 1.0

CONCENTRATION UNITS (ng/L or ug/Kg): ug/Kg

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO	#	CONCENTRATION	Q	EMPC/EDL	CRQL
2378-TCDD	320/322					U	0.0044	0.146
2378-TCDF	304/306					U	0.0028	0.146
12378-PeCDF	342/340					U	0.0033	0.146
12378-PeCDD	358/356	28.34	5.83	*		R	0.0739	0.146
23478-PeCDF	342/340					U	0.0049	0.146
123478-HxCDF	376/374					U	0.0083	0.364
123678-HxCDF	376/374					U	0.0047	0.364
123478-HxCDD	392/390					U	0.0136	0.364
123678-HxCDD	392/390	33.29	1.54	*		R	0.0385	0.364
123789-HxCDD	392/390	33.60	1.23	.	0.024	J		0.364
234678-HxCDF	376/374					U	0.0069	0.364
123789-HxCDF	376/374					U	0.0053	0.364
1234678-HpCDF	410/408	35.32	1.20		0.047	J		0.364
1234678-HpCDD	424/426	36.15	1.02		0.550			0.364
1234789-HpCDF	410/408					U	0.0126	0.364
OCDD	458/460	38.67	0.88		3.372			0.728
OCDF	442/444	38.77	0.93		0.123	J		0.728

Note: Concentrations, EMPC's and EDL's are calculated on a dry weight basis.

INTERNAL STANDARD	SELECTED IONS	PEAK RT	ION RATIO	#	ION RATIO LIMITS	%REC	#	RECOVERY LIMITS
13C-2378-TCDD	332/334	22.60	0.80		0.65 - 0.89	47		30 - 150
13C-2378-TCDF	316/318	21.78	0.80		0.65 - 0.89	48		30 - 150
13C-123678-HxCDD	402/404	33.27	1.31		1.05 - 1.43	56		30 - 150
13C-1234678-HpCDF	420/422	35.31	1.09		0.88 - 1.20	50		30 - 150
13C-OCDD	470/472	38.67	0.90		0.76 - 1.01	65		30 - 150
37Cl-2378-TCDD	328/NA	22.60	NA		NA	0		30 - 150

Column to be used to flag values outside QC limits

APPENDIX D

CERTIFIED ANALYTICAL REPORTS
MOBILE ONE LABORATORIES, INC.

OGISO SAMPLING
ANALYTICAL

APPENDIX A

MOBILE 1 LABORATORY REPORT

MOBILE/ONE LABORATORIES INC.

4/29/97

Ogiso
1504 Franklin Street, Ste. 304
Oakland, CA 94612

Project Name:Alameda NAS
Project No.:
Attention: Chad Nichols

Mobile One Laboratories received and analyzed the following sample(s):

Date Received	Quantity	Matrix
03/31/97	6	water
04/01/97	12	water
04/02/97	12	water
04/03/97	9	water
04/04/97	13	water
04/07/97	4	water
04/08/97	8	water
04/09/97	9	water
04/10/97	12	water
04/11/97	9	water

The samples were analyzed by one or more of the EPA methodologies or equivalent methods as specified below.

TPH -- CA DHS "Total Petroleum Hydrocarbons"
BTEX -- EPA Method 8020
TRPH -- EPA Method 418.1, modified for soils
VOCs -- EPA Method 8260

The results are included with a summary of the quality control procedures. Please note that the symbol "nd" indicates a value below the reporting limit for the particular compound in the sample. Flags qualifying the data are explained in footnotes on the same report page as they occur.
Please feel free to call us to discuss any part of this report or to schedule future projects.

Sincerely,

Rebecca L. Johnson
President

James E. Picker, Ph.D
Lab Director

Mobile One Laboratories is certified by the California Department of Health Services (certificate #s: 1194, 1561, 1921, 2088), and the Arizona Department of Health Services (certificate #: AZM466).

MOL Project #MC121

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	blank	BERC-S05 3B-A-7'	BERC-S05 3B-A-9'	BERC-S05 3B-A-12'	BERC-S05 3B-A-14'	Detection Limits
Date Analyzed --	3/31/97	3/31/97	3/31/97	3/31/97	3/31/97	units - ug/L
COMPOUND						
Vinyl Chloride	nd	6.9	39	12	1.2	0.5
Chloroethane	nd	50	3.4	nd	nd	0.5
1,1-Dichloroethene	nd	nd	2.2	17	2.5	0.5
trans-1,2-dichloroethene	nd	5.9	1.8	2.7	2.6	0.5
1,1-Dichloroethane	nd	10	12	58	18	0.5
cis-1,2-dichloroethene	nd	7	21	41	5.3	0.5
1,1,1-Trichloroethane	nd	nd	0.76	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	nd	2.0	0.5
Benzene	nd	nd	nd	nd	2.2	0.5
Trichloroethene	nd	0.88	34	12	0.63	0.5
Toluene	nd	nd	nd	nd	nd	0.5
Tetrachloroethene	nd	nd	nd	nd	1.3	0.5
Ethylbenzene	nd	nd	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = Sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

MC121

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 5B-A-12'	BERC-S05 5B-A-15'	Detection Limits
Date Analyzed --	3/31/97	3/31/97	units - ug/L
COMPOUND			
Vinyl Chloride	nd	150	0.5
Chloroethane	nd	3.6	0.5
1,1-Dichloroethene	97	1500*	0.5
trans-1,2-dichloroethene	nd	17*	0.5
1,1-Dichloroethane	22	510*	0.5
cis-1,2-dichloroethene	1.8	120	0.5
1,1,1-Trichloroethane	35	620*	0.5
Carbon Tetrachloride	nd	100*	0.5
1,2-Dichloroethane	nd	3.1*	0.5
Benzene	nd	0.55	0.5
Trichloroethene	7.9	70*	0.5
Toluene	0.57	nd	0.5
Tetrachloroethene	1.2	5.1	0.5
Ethylbenzene	nd	nd	0.5
m,p-Xylene	nd	nd	0.5
o-Xylene	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	blank	BERC-S05 5B-B-7'	BERC-S05 5B-B-10'	BERC-S05 5B-B-13.5'	Detection Limits
Date Analyzed --	4/1/97	4/1/97	4/1/97	4/1/97	units - ug/L
COMPOUND					
Vinyl Chloride	nd	0.56	nd	1.2	0.5
Chloroethane	nd	nd	nd	5.9	0.5
1,1-Dichloroethene	nd	12	3.7	nd	0.5
trans-1,2-Dichloroethene	nd	nd	nd	3.6	0.5
1,1-Dichloroethane	nd	3.2	1.9	4.2	0.5
cis-1,2-Dichloroethene	nd	1.3	1.6	1.2	0.5
1,1,1-Trichloroethane	nd	3.3	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	nd	0.5
Benzene	nd	nd	nd	1.0	0.5
Trichloroethene	nd	2.5	4.1	nd	0.5
Toluene	nd	nd	nd	nd	0.5
Tetrachloroethene	nd	0.7	1.1	nd	0.5
Ethylbenzene	nd	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 4A-A-8'	BERC-S05 4A-A-10'	BERC-S05 4A-A-12'	Detection Limits
Date Analyzed --	4/1/97	4/1/97	4/1/97	units - ug/L
COMPOUND				
Vinyl Chloride	7.2	2.6	0.68	0.5
Chloroethane	10.1	17*	nd	0.5
1,1-Dichloroethene	2100*	63*	4.5	0.5
trans-1,2-Dichloroethene	nd	<2.5*	7.6	0.5
1,1-Dichloroethane	5900*	1100*	3.7	0.5
cis-1,2-Dichloroethene	0.59	<2.5*	26	0.5
1,1,1-Trichloroethane	1900*	<2.5*	0.59	0.5
Carbon Tetrachloride	210*	<2.5*	nd	0.5
1,2-Dichloroethane	9.5	<2.5*	nd	0.5
Benzene	nd	<2.5*	nd	0.5
Trichloroethene	7.7.	4.0*	10	0.5
Toluene	nd	<2.5*	nd	0.5
Tetrachloroethene	2	<2.5*	nd	0.5
Ethylbenzene	nd	<2.5*	nd	0.5
m,p-Xylene	nd	<2.5*	nd	0.5
o-Xylene	nd	<2.5*	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

MC121

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 4B-A-7'	BERC-S05 4B-A-10'	BERC-S05 4B-A-12'	Detection Limits
Date Analyzed --	4/1/97	4/1/97	4/1/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	nd	2.4	0.5
Chloroethane	nd	nd	nd	0.5
1,1-Dichloroethene	25	12	22	0.5
trans-1,2-Dichloroethene	nd	1.0	12	0.5
1,1-Dichloroethane	27	11	29	0.5
cis-1,2-Dichloroethene	3.0	14	50	0.5
1,1,1-Trichloroethane	260	4.3	nd	0.5
Carbon Tetrachloride	37	0.75	nd	0.5
1,2-Dichloroethane	1.0	nd	0.57	0.5
Benzene	nd	nd	0.84	0.5
Trichloroethene	13	12	2.2	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	1.0	2.9	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

MC121

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 4B-B-8'	BERC-S05 4B-B-10'	BERC-S05 4B-B-13.5'	Detection Limits
Date Analyzed --	4/1/97	4/1/97	4/1/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	9.4	8.0	0.5
Chloroethane	nd	nd	2.8	0.5
1,1-Dichloroethene	20	110	1.8	0.5
trans-1,2-Dichloroethene	nd	7.1	17	0.5
1,1-Dichloroethane	41	410	240	0.5
cis-1,2-Dichloroethene	6.5	43	2.2	0.5
1,1,1-Trichloroethane	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	2.9	0.5
Benzene	nd	nd	2.4	0.5
Trichloroethene	4.1	4.6	nd	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	0.81	nd	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S05 3B-B-8'	BERC-S05 3B-B-9.5'	BERC-S05 3B-B-14'	Detection Limits
Date Analyzed --	4/2/97	4/2/97	4/2/97	4/2/97	units - ug/L
COMPOUND					
Vinyl Chloride	nd	nd	2.2	0.71	0.5
Chloroethane	nd	nd	2.9	11	0.5
1,1-Dichloroethene	1.8	3.2	2.7	nd	0.5
trans-1,2-Dichloroethene	nd	0.86	2.3	1.1	0.5
1,1-Dichloroethane	nd	8.8	5.1	0.6	0.5
cis-1,2-Dichloroethene	nd	3.0	3.8	1.1	0.5
1,1,1-Trichloroethane	nd	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.59	0.5
Benzene	nd	nd	nd	2.4	0.5
Trichloroethene	nd	2.3	1.6	nd	0.5
Toluene	0.69	nd	nd	nd	0.5
Tetrachloroethene	nd	nd	nd	nd	0.5
Ethylbenzene	nd	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 3A-A-8'	BERC-S05 3A-A-10'	BERC-S05 3A-A-13.5'	Detection Limits
Date Analyzed --	4/2/97	4/2/97	4/2/97	units - ug/L
COMPOUND				
Vinyl Chloride	6.0	91	14	0.5
Chloroethane	14	180	820*	0.5
1,1-Dichloroethene	nd	42	19	0.5
trans-1,2-Dichloroethene	nd	0.61	8.8	0.5
1,1-Dichloroethane	56	250	350	0.5
cis-1,2-Dichloroethene	1.1	19	15	0.5
1,1,1-Trichloroethane	nd	8.4	3.8	0.5
Carbon Tetrachloride	nd	1.3	0.53	0.5
1,2-Dichloroethane	nd	nd	1.8	0.5
Benzene	nd	nd	1.5	0.5
Trichloroethene	2.7	79	41	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	nd	4.6	2.9	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 2A-A-7.5'	BERC-S05 2A-A-10'	BERC-S05 2A-A-13.5'	Detection Limits
Date Analyzed --	4/2/97	4/2/97	4/2/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	6.4	2600*	0.5
Chloroethane	nd	nd	3900*	0.5
1,1-Dichloroethene	nd	11	14000*	0.5
trans-1,2-Dichloroethene	0.66	1.3	150	0.5
1,1-Dichloroethane	2.7	6.2	29000#	0.5
cis-1,2-Dichloroethene	69	21	4600*	0.5
1,1,1-Trichloroethane	0.93	1.1	2100*	0.5
Carbon Tetrachloride	nd	nd	320*	0.5
1,2-Dichloroethane	nd	nd	12	0.5
Benzene	nd	nd	6.4	0.5
Trichloroethene	95	56	1700*	0.5
Toluene	nd	nd	85	0.5
Tetrachloroethene	nd	0.64	40	0.5
Ethylbenzene	nd	nd	3.6	0.5
m,p-Xylene	nd	nd	2.9	0.5
o-Xylene	nd	nd	5.5	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 2B-A-8'	BERC-S05 2B-A-15'	TANK	Detection Limits
Date Analyzed --	4/2/97	4/2/97-4/3/9	4/2/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	5500*	1300*	0.5
Chloroethane	0.6	1600*	541*	0.5
1,1-Dichloroethene	nd	350	<500*	0.5
trans-1,2-Dichloroethene	nd	220	<500*	0.5
1,1-Dichloroethane	10	250	590*	0.5
cis-1,2-Dichloroethene	1.2	3200*	940*	0.5
1,1,1-Trichloroethane	nd	2.4	<500*	0.5
Carbon Tetrachloride	nd	nd	<500*	0.5
1,2-Dichloroethane	nd	6.7	<500*	0.5
Benzene	nd	22	<500*	0.5
Trichloroethene	1.6	90	<500*	0.5
Toluene	nd	19	<500*	0.5
Tetrachloroethene	nd	1.5	<500*	0.5
Ethylbenzene	nd	1.1	<500*	0.5
m,p-Xylene	nd	1.3	<500*	0.5
o-Xylene	nd	2.1	40,000*	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S05 3A-B-8'	BERC-S05 3A-B-12'	BERC-S05 3A-B-14'	Detection Limits
Date Analyzed --	4/3/97	4/3/97	4/3/97	4/3/97	units - ug/L
COMPOUND					
Vinyl Chloride	nd	0.66	8.9	2000*	0.5
Chloroethane	nd	nd	nd	37000*#	0.5
1,1-Dichloroethene	1.3	4.2	28	96	0.5
trans-1,2-Dichloroethene	nd	nd	nd	71	0.5
1,1-Dichloroethane	nd	7.2	100	15000*	0.5
cis-1,2-Dichloroethene	nd	13	11	34	0.5
1,1,1-Trichloroethane	nd	nd	nd	23	0.5
Carbon Tetrachloride	nd	nd	nd	3.5	0.5
1,2-Dichloroethane	nd	nd	nd	7	0.5
Benzene	nd	nd	nd	14	0.5
Trichloroethene	nd	2.2	20	53	0.5
Toluene	nd	nd	nd	16	0.5
Tetrachloroethene	nd	nd	0.76	6.5	0.5
Ethylbenzene	nd	nd	nd	3	0.5
m,p-Xylene	nd	nd	nd	3.8	0.5
o-Xylene	nd	nd	nd	5.6	0.5

nd = not found above the detection limit

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 2A-B-7.5'	BERC-S05 2A-B-10'	BERC-S05 2A-B-10'Du	Detection Limits
Date Analyzed --	4/3/97	4/3/97	4/3/97	units - ug/L
COMPOUND				
Vinyl Chloride	23	41*	58*	0.5
Chloroethane	170	22*	17*	0.5
1,1-Dichloroethene	170	130*	230*	0.5
trans-1,2-Dichloroethene	1.1	<2.5*	<2.5*	0.5
1,1-Dichloroethane	1400*	2600*#	3400*	0.5
cis-1,2-Dichloroethene	7.1	7.2*	9.5*	0.5
1,1,1-Trichloroethane	130	3.6*	5.9*	0.5
Carbon Tetrachloride	nd	<2.5*	<2.5*	0.5
1,2-Dichloroethane	4.9	14*	20*	0.5
Benzene	nd	<2.5*	<2.5*	0.5
Trichloroethene	19	19*	26*	0.5
Toluene	nd	<2.5*	<2.5*	0.5
Tetrachloroethene	1.5	<2.5*	<2.5*	0.5
Ethylbenzene	nd	<2.5*	<2.5*	0.5
m,p-Xylene	nd	<2.5*	<2.5*	0.5
o-Xylene	nd	<2.5*	<2.5*	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 3A-C-8'	BERC-S05 3A-C-11'	BERC-S05 3A-C-14'	Detection Limits
Date Analyzed --	4/3/97	4/3/97	4/3/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	nd	nd	0.5
Chloroethane	0.74	nd	nd	0.5
1,1-Dichloroethene	nd	1.8	0.63	0.5
trans-1,2-Dichloroethene	nd	nd	nd	0.5
1,1-Dichloroethane	1.7	0.55	1.3	0.5
cis-1,2-Dichloroethene	nd	nd	nd	0.5
1,1,1-Trichloroethane	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.5
Benzene	nd	nd	nd	0.5
Trichloroethene	nd	nd	nd	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	nd	nd	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S05 1B/2B-A-8'	BERC-S05 1B/2B-A-11'	Detection Limits
Date Analyzed --	4/4/97	4/4/97	4/4/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	0.64	11	0.5
Chloroethane	nd	18.7	930*	0.5
1,1-Dichloroethene	nd	nd	nd	0.5
trans-1,2-Dichloroethene	nd	nd	1.9	0.5
1,1-Dichloroethane	nd	0.94	54	0.5
cis-1,2-Dichloroethene	nd	0.8	nd	0.5
1,1,1-Trichloroethane	nd	nd	0.58	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.5
Benzene	nd	nd	nd	0.5
Trichloroethene	nd	nd	0.67	0.5
Toluene	nd	nd	9.88	0.5
Tetrachloroethene	0.67	nd	nd	0.5
Ethylbenzene	nd	nd	2.7	0.5
m,p-Xylene	nd	nd	1.9	0.5
o-Xylene	nd	nd	5.9	0.5
				0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 1B-A-7'	BERC-S05 1B-A-7'Dup	Detection Limits
Date Analyzed --	4/4/97	4/4/97	units - ug/L
COMPOUND			
Vinyl Chloride	nd	nd	0.5
Chloroethane	nd	nd	0.5
1,1-Dichloroethene	nd	nd	0.5
trans-1,2-Dichloroethene	nd	nd	0.5
1,1-Dichloroethane	nd	0.52	0.5
cis-1,2-Dichloroethene	nd	nd	0.5
1,1,1-Trichloroethane	nd	nd	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	nd	0.5
Benzene	nd	nd	0.5
Trichloroethene	nd	nd	0.5
Toluene	nd	nd	0.5
Tetrachloroethene	1.5	1.3	0.5
Ethylbenzene	nd	nd	0.5
m,p-Xylene	nd	nd	0.5
o-Xylene	nd	nd	0.5
			0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 SB-1-7'	BERC-S05 SB-1-10'	BERC-S05 SB-1-12'	Detection Limits
Date Analyzed --	4/4/97	4/4/97	4/4/97	units - ug/L
COMPOUND				
Vinyl Chloride	21	10	81	0.5
Chloroethane	21	2.8	9.5	0.5
1,1-Dichloroethene	32	11	78	0.5
trans-1,2-Dichloroethene	nd	nd	12	0.5
1,1-Dichloroethane	85	62	330	0.5
cis-1,2-Dichloroethene	2.1	1.1	21	0.5
1,1,1-Trichloroethane	1.1	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	6.9	nd	nd	0.5
Benzene	nd	nd	0.63	0.5
Trichloroethene	14	2.1	21	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	2.7	nd	nd	0.5
Ethylbenzene	nd	nd	0.75	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5
				0.5

nd = not found above the detection limit

= Estimated Value.

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 SB-2-7'	BERC-S05 SB-2-10'	BERC-S05 SB-2-12'	Detection Limits
Date Analyzed --	4/4/97	4/4/97	4/4/97	units - ug/L
COMPOUND				
Vinyl Chloride	1.7	210	530*	0.5
Chloroethane	nd	nd	nd	0.5
1,1-Dichloroethene	3.5	6.5	89*	0.5
trans-1,2-Dichloroethene	nd	9	26	0.5
1,1-Dichloroethane	6.2	65	96	0.5
cis-1,2-Dichloroethene	3.9	32	30	0.5
1,1,1-Trichloroethane	4.5	nd	nd	0.5
Carbon Tetrachloride	0.68	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.5
Benzene	nd	1.1	3.0	0.5
Trichloroethene	26	26	14	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	15	nd	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5
				0.5

nd = not found above the detection limit

= Estimated Value.

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 4B-C-7'	BERC-S05 4B-C-10'	BERC-S05 4B-C-12'	Detection Limits
Date Analyzed --	4/4/97	4/4/97 & 4/7/97	4/4/97	units - ug/L
COMPOUND				
Vinyl Chloride	1.3	270	2900*	0.5
Chloroethane	0.66	27	<25*	0.5
1,1-Dichloroethene	170*	65000*	22000*	0.5
trans-1,2-Dichloroethene	nd	8.7	<25*	0.5
1,1-Dichloroethane	200	8200*	24000*	0.5
cis-1,2-Dichloroethene	9.1	48	250	0.5
1,1,1-Trichloroethane	370*	100000*	20000*	0.5
Carbon Tetrachloride	100	4600*	2500*	0.5
1,2-Dichloroethane	50	570*	550*	0.5
Benzene	nd	nd	<25*	0.5
Trichloroethene	68	160	120	0.5
Toluene	nd	140	370	0.5
Tetrachloroethene	2	8.6	<25*	0.5
Ethylbenzene	nd	nd	<25*	0.5
m,p-Xylene	nd	nd	<25*	0.5
o-Xylene	nd	nd	<25*	0.5
				0.5

nd = not found above the detection limit

= Estimated Value.

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S04 2D-A-5.5'	BERC-S04 2D-A-9'	BERC-S04 2D-B-3'	Detection Limits
Date Analyzed --	4/7/97	4/7/97	4/7/97	4/7/97	units - ug/L
COMPOUND					
Vinyl Chloride	nd	17	5.6	nd	0.5
Chloroethane	nd	nd	1.1	nd	0.5
1,1-Dichloroethene	nd	0.77	nd	nd	0.5
trans-1,2-Dichloroethene	nd	19	2.7	nd	0.5
1,1-Dichloroethane	nd	85	9.7	0.6	0.5
cis-1,2-Dichloroethene	nd	76	7.6	nd	0.5
1,1,1-Trichloroethane	nd	20	1.6	1.5	0.5
Carbon Tetrachloride	nd	3.1	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	nd	0.5
Benzene	nd	1.1	1.4	nd	0.5
Trichloroethene	nd	111	4.2	nd	0.5
Toluene	nd	11	13	9.3	0.5
Tetrachloroethene	nd	1.1	nd	nd	0.5
Ethylbenzene	nd	0.85	1.6	1.7	0.5
m,p-Xylene	nd	1.5	2.8	3	0.5
o-Xylene	nd	0.99	1.9	2.1	0.5
					0.5

nd = not found above the detection limit

= Estimated Value.

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 5C-A-11'	Detection Limits
Date Analyzed --	4/7/97	units - ug/L
COMPOUND		
Vinyl Chloride	nd	0.5
Chloroethane	nd	0.5
1,1-Dichloroethene	0.8	0.5
trans-1,2-Dichloroethene	nd	0.5
1,1-Dichloroethane	nd	0.5
cis-1,2-Dichloroethene	nd	0.5
1,1,1-Trichloroethane	0.57	0.5
Carbon Tetrachloride	nd	0.5
1,2-Dichloroethane	nd	0.5
Benzene	nd	0.5
Trichloroethene	nd	0.5
Toluene	8.7	0.5
Tetrachloroethene	nd	0.5
Ethylbenzene	2.1	0.5
m,p-Xylene	4.4	0.5
o-Xylene	3.6	0.5
MTBE	86#	

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S04 5C-A-15	Detection Limits
Date Analyzed --	4/8/97	4/8/97	units - ug/L
COMPOUND			
Vinyl Chloride	nd	1.8	0.5
Chloroethane	nd	0.58	0.5
1,1-Dichloroethene	2.1	9.4	0.5
trans-1,2-Dichloroethene	nd	4.1	0.5
1,1-Dichloroethane	nd	0.6	0.5
cis-1,2-Dichloroethene	nd	150	0.5
1,1,1-Trichloroethane	nd	0.59	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	0.54	0.5
Benzene	nd	1.6	0.5
Trichloroethene	nd	1800*	0.5
Toluene	0.56	21	0.5
Tetrachloroethene	nd	nd	0.5
Ethylbenzene	nd	3.7	0.5
m,p-Xylene	nd	6.8	0.5
o-Xylene	nd	5.1	0.5
MTBE		52#	

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 1D-A-7	BERC-S04 1D-A-9	Detection Limits
Date Analyzed --	4/8/97	4/8/97	units - ug/L
COMPOUND			
Vinyl Chloride	nd	nd	0.5
Chloroethane	nd	nd	0.5
1,1-Dichloroethene	nd	4	0.5
trans-1,2-Dichloroethene	nd	nd	0.5
1,1-Dichloroethane	1.8	1.8	0.5
cis-1,2-Dichloroethene	4.9	1.0	0.5
1,1,1-Trichloroethane	0.64	1.9	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	nd	0.5
Benzene	0.6	nd	0.5
Trichloroethene	1.1	nd	0.5
Toluene	16	3.7	0.5
Tetrachloroethene	nd	nd	0.5
Ethylbenzene	3.8	0.97	0.5
m,p-Xylene	6.6	1.8	0.5
o-Xylene	4.9	1.4	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 2D-C-7.5'	BERC-S04 2D-C-9.5'	BERC-S04 2D-C-15'	Detection Limits
Date Analyzed --	4/8/97	4/8/97	4/8/97	units - ug/L
COMPOUND				
Vinyl Chloride	1.0	62	2200*	0.5
Chloroethane	nd	nd	14	0.5
1,1-Dichloroethene	nd	1.2	57	0.5
trans-1,2-Dichloroethene	nd	2.2	130	0.5
1,1-Dichloroethane	nd	nd	nd	0.5
cis-1,2-Dichloroethene	nd	110	8600*	0.5
1,1,1-Trichloroethane	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	11	0.5
Benzene	0.93	0.57	1.7	0.5
Trichloroethene	nd	0.52	24000*	0.5
Toluene	0.76	2.4	6.1	0.5
Tetrachloroethene	nd	nd	0.99	0.5
Ethylbenzene	nd	0.64	1.1	0.5
m,p-Xylene	nd	1.0	2	0.5
o-Xylene	nd	0.76	2.1	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 3C-A-9'	BERC-S04 3C-A-15'	Detection Limits
Date Analyzed --	4/8/97	4/8/97-4/9/9	units - ug/L
COMPOUND			
Vinyl Chloride	nd	3.7	0.5
Chloroethane	nd	1.4	0.5
1,1-Dichloroethene	3.4	9.7	0.5
trans-1,2-Dichloroethene	nd	2.2	0.5
1,1-Dichloroethane	0.76	1.4	0.5
cis-1,2-Dichloroethene	nd	140	0.5
1,1,1-Trichloroethane	1.8	1.0	0.5
Carbon Tetrachloride	nd	0.68	0.5
1,2-Dichloroethane	nd	0.96	0.5
Benzene	0.99	2.7	0.5
Trichloroethene	0.6	30	0.5
Toluene	5.6	1.3	0.5
Tetrachloroethene	nd	nd	0.5
Ethylbenzene	1.7	0.84	0.5
m,p-Xylene	2.9	0.81	0.5
o-Xylene	2.3	0.75	0.5

nd = not found above the detection limit

= Estimated Value.

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Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S04 3C-B-20'	Detection Limits
Date Analyzed --	4/9/97	4/9/97	units - ug/L
COMPOUND			
Vinyl Chloride	nd	nd	0.5
Chloroethane	nd	nd	0.5
1,1-Dichloroethene	nd	1.6	0.5
trans-1,2-Dichloroethene	nd	nd	0.5
1,1-Dichloroethane	nd	nd	0.5
cis-1,2-Dichloroethene	nd	42	0.5
1,1,1-Trichloroethane	nd	nd	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	nd	0.5
Benzene	nd	nd	0.5
Trichloroethene	1.8	9.1	0.5
Toluene	nd	1.4	0.5
Tetrachloroethene	nd	nd	0.5
Ethylbenzene	nd	0.64	0.5
m,p-Xylene	nd	1.5	0.5
o-Xylene	nd	1.2	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 5C-B-7'	BERC-S04 5C-B-10'	BERC-S04 5C-B-25'	Detection Limits
Date Analyzed --	4/9/97	4/9/97	4/9/97	units - ug/L
COMPOUND				
Vinyl Chloride	28	1.7	0.62	0.5
Chloroethane	nd	nd	nd	0.5
1,1-Dichloroethene	2.5	7.1	2.6	0.5
trans-1,2-Dichloroethene	8	2.2	0.88	0.5
1,1-Dichloroethane	1.3	nd	nd	0.5
cis-1,2-Dichloroethene	67	31	8.6	0.5
1,1,1-Trichloroethane	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.5
Benzene	nd	nd	nd	0.5
Trichloroethene	110	64	67	0.5
Toluene	nd	1.3	0.52	0.5
Tetrachloroethene	nd	nd	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	0.86	nd	0.5
o-Xylene	nd	0.66	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 4C-A-8.5'	BERC-S04 4C-A-23'	Detection Limits
Date Analyzed --	4/9/97	4/9/97	units - ug/L
COMPOUND			
Vinyl Chloride	72	0.9	0.5
Chloroethane	nd	nd	0.5
1,1-Dichloroethene	24	11.5	0.5
trans-1,2-Dichloroethene	0.66	2.2	0.5
1,1-Dichloroethane	4.7	3.0	0.5
cis-1,2-Dichloroethene	220	37	0.5
1,1,1-Trichloroethane	nd	nd	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	nd	0.5
Benzene	0.6	nd	0.5
Trichloroethene	9.1	1500*	0.5
Toluene	nd	nd	0.5
Tetrachloroethene	nd	1.4	0.5
Ethylbenzene	nd	1.6	0.5
m,p-Xylene	nd	0.55	0.5
o-Xylene	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 3D-A-8'	Detection Limits
Date Analyzed --	4/9/97	units - ug/L
COMPOUND		
Vinyl Chloride	1.0	0.5
Chloroethane	nd	0.5
1,1-Dichloroethene	1.9	0.5
trans-1,2-Dichloroethene	nd	0.5
1,1-Dichloroethane	nd	0.5
cis-1,2-Dichloroethene	8.3	0.5
1,1,1-Trichloroethane	nd	0.5
Carbon Tetrachloride	nd	0.5
1,2-Dichloroethane	nd	0.5
Benzene	0.78	0.5
Trichloroethene	0.62	0.5
Toluene	6.0	0.5
Tetrachloroethene	0.56	0.5
Ethylbenzene	1.0	0.5
m,p-Xylene	1.9	0.5
o-Xylene	1.5	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S04 3D-B-10'	BERC-S04 3D-B-23'	Detection Limits
Date Analyzed --	4/9/97	4/9/97	units - ug/L
COMPOUND			
Vinyl Chloride	150	1.5	0.5
Chloroethane	nd	nd	0.5
1,1-Dichloroethene	3.5	5.3	0.5
trans-1,2-Dichloroethene	130	1.3	0.5
1,1-Dichloroethane	1.2	nd	0.5
cis-1,2-Dichloroethene	270	13	0.5
1,1,1-Trichloroethane	nd	nd	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	nd	0.5
Benzene	nd	nd	0.5
Trichloroethene	220	160	0.5
Toluene	0.9	nd	0.5
Tetrachloroethene	nd	nd	0.5
Ethylbenzene	nd	nd	0.5
m,p-Xylene	nd	nd	0.5
o-Xylene	0.56	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S05 2B-B-10'	BERC-S05 2B-B-14'	BERC-S05 2B-B-14'D	BERC-S05 2B-B-20'	Detection Limits
Date Analyzed --	4/10/97	4/10/97	4/10/97	4/10/97	4/10/97	units - ug/L
COMPOUND						
Vinyl Chloride	nd	nd	nd	<25*	nd	0.5
Chloroethane	nd	nd	38000*#	43000*#	nd	0.5
1,1-Dichloroethene	nd	nd	nd	<25*	nd	0.5
trans-1,2-Dichloroethene	nd	nd	110	110*	nd	0.5
1,1-Dichloroethane	nd	2.1	130	140*	1.1	0.5
cis-1,2-Dichloroethene	nd	6.1	nd	<25*	nd	0.5
1,1,1-Trichloroethane	nd	nd	nd	<25*	nd	0.5
Carbon Tetrachloride	nd	nd	nd	<25*	nd	0.5
1,2-Dichloroethane	nd	nd	9.4	<25*	nd	0.5
Benzene	nd	nd	22	<25*	nd	0.5
Trichloroethene	0.84	14	nd	<25*	nd	0.5
Toluene	nd	nd	89	88*	nd	0.5
Tetrachloroethene	nd	nd	nd	<25*	nd	0.5
Ethylbenzene	nd	nd	2.5	<25*	nd	0.5
m,p-Xylene	nd	nd	3.7	<25*	nd	0.5
o-Xylene	nd	nd	5.6	<25*	nd	0.5
			Diethyl Sulfide !	Diethyl Sulfide !		
			Diethyl Disulfide !	Diethyl Disulfide !		

nd = not found above the detection limit

= Estimated Value.
! = Tentatively Identified compound.
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 3B-C-10'	BERC-S05 3B-C-12'	Detection Limits
Date Analyzed --	4/10/97	4/10/97	units - ug/L
COMPOUND			
Vinyl Chloride	0.85	12	0.5
Chloroethane	4.6	0.6	0.5
1,1-Dichloroethene	34	21.9	0.5
trans-1,2-Dichloroethene	2.5	13	0.5
1,1-Dichloroethane	170	51	0.5
cis-1,2-Dichloroethene	180	120	0.5
1,1,1-Trichloroethane	150	77	0.5
Carbon Tetrachloride	22	12	0.5
1,2-Dichloroethane	0.6	1.9	0.5
Benzene	nd	0.5	0.5
Trichloroethene	320	50	0.5
Toluene	nd	nd	0.5
Tetrachloroethene	23	1.5	0.5
Ethylbenzene	nd	nd	0.5
m,p-Xylene	nd	nd	0.5
o-Xylene	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID –	BERC-S05 3B-D-10'	BERC-S05 3B-D-13'	BERC-S05 3B-D-20'	BOTTOM OF TANK	Detection Limits
Date Analyzed –	4/10/97	4/10/97	4/10/97	4/10/97	units - ug/L
COMPOUND					
Vinyl Chloride	46	0.6	nd	<2500*	0.5
Chloroethane	0.78	41	nd	<2500*	0.5
1,1-Dichloroethene	113	1.7	nd	<2500*	0.5
trans-1,2-Dichloroethene	24	2.1	nd	<2500*	0.5
1,1-Dichloroethane	170	26	nd	<2500*	0.5
cis-1,2-Dichloroethene	52	0.7	nd	<2500*	0.5
1,1,1-Trichloroethane	28	0.59	nd	<2500*	0.5
Carbon Tetrachloride	4.5	nd	nd	<2500*	0.5
1,2-Dichloroethane	1.9	nd	nd	<2500*	0.5
Benzene	0.93	0.93	nd	<2500*	0.5
Trichloroethene	130	2.5	nd	<2500*	0.5
Toluene	nd	0.83	nd	<2500*	0.5
Tetrachloroethene	3.8	nd	nd	<2500*	0.5
Ethylbenzene	nd	nd	nd	<2500*	0.5
m,p-Xylene	0.77	0.51	nd	<2500*	0.5
o-Xylene	0.7	nd	nd	<2500*	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 2B-C-10	BERC-S05 2B-C-13	Detection Limits
Date Analyzed --	4/10/97	4/10/97	units - ug/L
COMPOUND			
Vinyl Chloride	nd	nd	0.5
Chloroethane	nd	nd	0.5
1,1-Dichloroethene	nd	nd	0.5
trans-1,2-Dichloroethene	nd	nd	0.5
1,1-Dichloroethane	nd	nd	0.5
cis-1,2-Dichloroethene	nd	nd	0.5
1,1,1-Trichloroethane	nd	nd	0.5
Carbon Tetrachloride	nd	nd	0.5
1,2-Dichloroethane	nd	nd	0.5
Benzene	nd	nd	0.5
Trichloroethene	0.56	nd	0.5
Toluene	nd	nd	0.5
Tetrachloroethene	nd	nd	0.5
Ethylbenzene	nd	nd	0.5
m,p-Xylene	nd	nd	0.5
o-Xylene	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES / INC.

Report Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method - 8260 screen

Sample ID --	Blank	BERC-S05 4B-D-10'	BERC-S05 4B-D-12'	Detection Limits
Date Analyzed --	4/11/97	4/11/97	4/11/97	units - ug/L
COMPOUND				
Vinyl Chloride	nd	14	47	0.5
Chloroethane	nd	nd	nd	0.5
1,1-Dichloroethene	nd	27	30	0.5
trans-1,2-Dichloroethene	nd	7.7	61	0.5
1,1-Dichloroethane	nd	16	37	0.5
cis-1,2-Dichloroethene	nd	50	210	0.5
1,1,1-Trichloroethane	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.5
Benzene	nd	0.57	2.9	0.5
Trichloroethene	nd	37	13	0.5
Toluene	nd	0.81	0.94	0.5
Tetrachloroethene	nd	4.5	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 3A-D-9'	BERC-S05 3A-D-12.5'	BERC-S05 3A-D-20'	Detection Limits
Date Analyzed --	4/11/97	4/11/97	4/11/97	units - ug/L
COMPOUND				
Vinyl Chloride	3.8	0.63	nd	0.5
Chloroethane	650*	38	18000*	0.5
1,1-Dichloroethene	160	2.5	nd	0.5
trans-1,2-Dichloroethene	nd	0.54	nd	0.5
1,1-Dichloroethane	750*	18	nd	0.5
cis-1,2-Dichloroethene	1.5	2.1	nd	0.5
1,1,1-Trichloroethane	8.5	nd	nd	0.5
Carbon Tetrachloride	1.4	nd	nd	0.5
1,2-Dichloroethane	6.3	nd	1.7	0.5
Benzene	nd	nd	6.3	0.5
Trichloroethene	2.6	1.6	nd	0.5
Toluene	nd	nd	1.9	0.5
Tetrachloroethene	nd	nd	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5
			Diethyl Disulfide !	

nd = not found above the detection limit

= Estimated Value.
! = Tentatively Identified compound.
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 2A-C-10'	Detection Limits
Date Analyzed --	4/11/97	units - ug/L
COMPOUND		
Vinyl Chloride	4.2	0.5
Chloroethane	nd	0.5
1,1-Dichloroethene	34	0.5
trans-1,2-Dichloroethene	1.1	0.5
1,1-Dichloroethane	330	0.5
cis-1,2-Dichloroethene	11	0.5
1,1,1-Trichloroethane	nd	0.5
Carbon Tetrachloride	nd	0.5
1,2-Dichloroethane	3.7	0.5
Benzene	nd	0.5
Trichloroethene	16	0.5
Toluene	nd	0.5
Tetrachloroethene	4	0.5
Ethylbenzene	nd	0.5
m,p-Xylene	nd	0.5
o-Xylene	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Report Summary

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method - 8260 screen

Sample ID --	BERC-S05 3A-E-10'	BERC-S05 3A-E-13'	BERC-S05 3A-E-10' Dup	Detection Limits
Date Analyzed --	4/11/97	4/11/97	4/11/97	units - ug/L
COMPOUND				
Vinyl Chloride	1.2	3.0	1.1	0.5
Chloroethane	2.0	nd	1.6	0.5
1,1-Dichloroethene	1.7	2.5	2.5	0.5
trans-1,2-Dichloroethene	nd	2.8	nd	0.5
1,1-Dichloroethane	18	43	21	0.5
cis-1,2-Dichloroethene	nd	19	0.72	0.5
1,1,1-Trichloroethane	nd	nd	nd	0.5
Carbon Tetrachloride	nd	nd	nd	0.5
1,2-Dichloroethane	nd	nd	nd	0.5
Benzene	nd	nd	nd	0.5
Trichloroethene	1.0	6.9	0.98	0.5
Toluene	nd	nd	nd	0.5
Tetrachloroethene	nd	nd	nd	0.5
Ethylbenzene	nd	nd	nd	0.5
m,p-Xylene	nd	nd	nd	0.5
o-Xylene	nd	nd	nd	0.5

nd = not found above the detection limit

= Estimated Value.

* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 03/28/97			
sensitivity check	78	87	76
Date Analyzed: 03/31/97			
blank	84	91	69
concal	87	92	90
cal check	91	98	107
BERC-S05-3B-A-7'	77	87	86
BERC-S05-3B-A-9'	100	90	89
BERC-S05-3B-A-12'	83	85	95
BERC-S05-3B-A-14'	78	86	100
BERC-S05-5B-A-12'	81	91	91
BERC-S05-5B-A-15'	91	83	71
BERC-S05-5B-A-15'	76	90	81
MS	92	83	64*
closing std	81	87	106
Date Analyzed: 04/01/97			
blank	90	88	91
concal	84	88	78
BERC-S05-05B-B-7'	84	83	63
BERC-S05-05B-B-10'	85	95	80
BERC-S05-05B-B-13.5'	90	88	62
BERC-S05-04A-A-8'	85	88	77
BERC-S05-04A-A-8'	91	90	65
BERC-S05-04A-A-10'	91	91	67
BERC-S05-04A-A-12'	93	87	62
BERC-S05-04B-A-7'	95	91	67
BERC-S05-04B-A-10'	90	87	63
BERC-S05-04B-A-12'	93	90	67

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/01/97			
BERC-S05-04B-B-8'	100	96	69
BERC-S05-04B-B-10'	96	96	72
BERC-S05-04B-B-13.5'	92	92	64
MS	101	94	63
Closing Std	102	91	63
Date Analyzed: 04/02/97			
Blank	102	91	62
Concal	91	96	93
BERC-S05-03B-B-8'	89	95	73
BERC-S05-03B-B-9.5'	89	89	70
BERC-S05-03B-B-14'	92	92	63
BERC-S05-03A-A-8'	93	83	59
BERC-S05-03A-A-10'	90	97	78
BERC-S05-03A-A-13.5'	102	88	61
MS	90	94	73
BERC-S05-02A-A-7.5'	107	89	61
BERC-S05-02A-A-10'	88	91	73
BERC-S05-02A-A-13.5'	79	98	94
BERC-S05-03A-A-13.5'	94	83	53
BERC-S05-02A-A-13.5'	95	89	65
BERC-S05-02B-A-8'	95	100	75
BERC-S05-02B-A-15'	84	94	78
tank	89	108	94
BERC-S05-02B-A-15'	88	92	88
closing	86	86	77

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/03/97			
Blank	72	82	80
Concal	78	90	96
BERC-S05-2B-A-15'	77	94	84
BERC-S05-3A-B-8'	78	93	82
BERC-S05-3A-B-12'	86	97	80
BERC-S05-3A-B-14'	88	95	84
BERC-S05-2A-B-7.5'	81	90	75
BERC-S05-3A-B-14'	85	97	87
BERC-S05-2A-B-10'	85	91	70
BERC-S05-2A-B-7.5'	91	91	67
BERC-S05-3A-B-14'	95	93	68
BERC-S05-2A-B-10' Dup	94	96	67
BERC-S05-3A-C-8'	94	93	63
BERC-S05-3A-C-11'	98	97	66
BERC-S05-3A-C-14'	93	93	61
MS	91	94	62
TANK	106	90	65
CLOSING STD	91	86	81

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/04/97			
Blank	85	96	87
Concal	82	93	93
BERC-S05-1B/2B-A-8'	99	109	92
BERC-S05-1B/2B-A-11'	75	88	82
MS	96	108	105
BERC-S05-1B-A-7'	82	98	93
BERC-S05-1B/2B-A-11'	77	90	82
BERC-S05-1B-A-7'Dup	82	102	93
BERC-S05-SB-1-7'	85	97	83
BERC-S05-SB-1-10'	79	97	84
BERC-S05-SB-1-12'	82	95	72
BERC-S05-SB-2-7'	95	92	60
BERC-S05-SB-2-10'	87	92	77
BERC-S05-SB-2-12'	93	95	76
BERC-S05-4B-C-7'	85	89	72
BERC-S05-4B-C-10'	2	90	87
BERC-S05-4B-C-12'	91	95	80
BERC-S05-SB-2-12'	91	95	80
BERC-S05-4B-C-7'	88	93	75
BERC-S05-4B-C-10'	89	91	74
BERC-S05-4B-C-12'	88	93	72
closing	95	93	86

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/07/97			
Blank	91	89	68
Concal	87	98	94
BERC-S05-4B-C-10'	96	101	84
BERC-S05-4B-C-12'	87	85	62
BERC-S04-2D-A-5.5'	98	91	66
BERC-S04-2D-A-9'	79	85	59
BERC-S04-2D-A-5.5'	87	93	72
BERC-S04-2D-B-3'	85	87	57
MS	80	89	67
BERC-S04-5C-A-11'	86	91	74
CLOSING STD	86	78	52
Date Analyzed: 04/08/97			
Blank	80	94	69
Concal	91	99	92
Concal	84	93	90
BERC-S04-5C-A-15'	89	88	69
Blank	94	104	83
BERC-S04-5C-A-15'	91	101	79
BERC-S04-1D-A-7'	90	86	62
BERC-S04-1D-A-9'	97	88	64
BERC-S04-2D-C-7.5'	85	95	76
BERC-S04-2D-C-9.5'	90	92	74
MS	83	90	76
BERC-S04-2D-C-15'	93	88	73
BERC-S04-2D-C-15'	83	90	70
BERC-S04-2D-C-15'	95	94	72
BERC-S04-3C-A-9'	69	92	72
BERC-S04-3C-A-15'	92	85	68
CLOSING	89	93	91

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/09/97			
Blank	93	92	70
Concal	80	91	83
BERC-S04-3C-A-15'	98	102	83
BERC-S04-3C-B-20'	86	86	67
BERC-S04-5C-B-7'	86	89	71
BERC-S04-5C-B-10'	88	89	71
BERC-S04-5C-B-25'	97	85	59
BERC-S04-4C-A-8.5'	95	95	78
BERC-S04-3D-A-8'	77	83	68
BERC-S04-4C-A-23'	101	97	98*
BERC-S04-3D-B-10'	89	91	97
BERC-S04-4C-A-23'	108	87	73
MS	87	87	76
CLOSING STD	99	81	63
BERC-S04-3D-B-23'	90	78	51

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/10/97			
Blank	84	88	67
Concal	95	91	85
BERC-S05-2B-B-10	94	92	91
BERC-S05-2B-B-14	94	92	91
BERC-S05-2B-B-14 DUP	87	84	70
BERC-S05-2B-B-10	80	83	62
BERC-S05-2B-B-20	94	94	65
BERC-S05-2B-B-14	92	87	140*
BERC-S05-3B-C-10	90	86	72
BERC-S05-3B-C-12	92	89	73
BERC-S05-3B-D-10	94	88	80
BOTTOM OF TANK	91	87	66
BERC-S05-3B-D-13	75	83	74
BERC-S05-2B-C-10	86	85	62
BERC-S05-2B-C-13	93	89	76
BERC-S05-3B-D-20	96	88	65
MS	96	88	71
CLOSING	97	83	63

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

Surrogate % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	Dibromo-fluoromethane	Toluene-d8	1,4-Bromofluoro-benzene
% QC Limits	50-150	50-150	50-150
Date Analyzed: 04/11/97			
Blank	88	88	66
Concal	96	88	83
BERC-S05-4B-D-10'	92	92	79
BERC-S05-4B-D-12'	88	88	79
BERC-S05-3A-D-9'	105	85	67
BERC-S05-3A-D-12.5'	90	88	77
BERC-S05-3A-D-20'	89	92	88
BERC-S05-3A-D-9'	94	93	81
BERC-S05-3A-D-20'	87	87	68
BERC-S05-2A-C-10'	98	95	83
MS	100	82	77
BERC-S05-3A-E-10'	79	85	76
BERC-S05-3A-E-13'	88	82	79
BERC-S05-3A-E-10' Dup	93	91	94
closing	95	95	107

* = matrix interference with surrogate recoveries

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 03/31/97				
blank	147	149	144	106
concal	100	100	100	100
cal check	105	99	146	102
BERC-S05-3B-A-7'	103	96	110	97
BERC-S05-3B-A-9'	67	60	76	64
BERC-S05-3B-A-12'	73	62	84	77
BERC-S05-3B-A-14'	93	78	115	104
BERC-S05-5B-A-12'	103	87	117	94
BERC-S05-5B-A-15'	106	100	107	86
BERC-S05-5B-A-15'	95	87	103	80
MS	110	106	108	87
closing std	94	80	119	109
Date Analyzed: 04/01/97				
blank	118	110	124	144
concal	100	100	100	100
BERC-S05-05B-B-7'	69	75	63	59
BERC-S05-05B-B-10'	95	98	91	97
BERC-S05-05B-B-13.5'	77	88	71	61
BERC-S05-04A-B-8'	90	96	85	87
BERC-S05-04A-B-8'	63	75	59	63
BERC-S05-04A-B-10'	66	75	58	62
BERC-S05-04A-B-12'	55	64	48	51
BERC-S05-04B-A-7'	59	70	55	58
BERC-S05-04B-A-10'	63	72	58	61
BERC-S05-04B-A-12'	68	78	62	66

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/01/97				
BERC-S05-4B-B-8'	62	70	55	57
BERC-S05-4B-B-10'	61	69	55	59
BERC-S05-4B-B-13.5'	64	76	60	65
MS	40	47	36	37
Closing std	24	29	21	26
Date Analyzed: 04/02/97				
Blank	69	68	49	46
Concal	100	100	100	100
BERC-S05-03B-B-8'	102	103	81	80
BERC-S05-03B-B-9.5'	98	101	78	82
BERC-S05-03B-B-14'	59	58	43	44
BERC-S05-03A-A-8'	93	97	70	63
BERC-S05-03A-A-10'	103	96	81	82
BERC-S05-03A-A-13.5'	96	100	72	59
MS	96	93	80	75
BERC-S05-02A-A-7.5'	95	96	68	61
BERC-S05-02A-A-10'	102	100	81	85
BERC-S05-02A-A-13.5'	98	93	91	100
BERC-S05-03A-A-13.5'	76	80	56	44
BERC-S05-02A-A-13.5'	92	89	68	69
BERC-S05-02B-A-8'	86	81	66	64
BERC-S05-02B-A-15'	70	62	67	68
Closing std	55	46	47	48
tank	98	91	85	89

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/03/97				
Blank	107	106	118	108
Concal	100	100	100	100
BERC-S05-2B-A-15'	97	97	109	94
BERC-S05-3A-B-8'	93	95	104	91
BERC-S05-3A-B-12'	88	89	93	78
BERC-S05-3A-B-14'	80	86	84	77
BERC-S05-2A-B-7.5'	79	85	82	70
BERC-S05-2A-B-10'	68	72	68	56
BERC-S05-3A-B-14'	61	62	65	60
BERC-S05-2A-B-7.5'	48	54	49	39
BERC-S05-3A-B-14'	59	65	58	45
BERC-S05-2A-B-10' Dup	56	62	55	44
BERC-S05-3A-C-8'	57	65	57	45
BERC-S05-3A-C-11'	58	64	55	45
BERC-S05-3A-C-14'	59	66	57	45
MS	61	67	62	47
BLANK	38	42	35	27
BLANK	54	58	56	46
TANK	52	59	52	58
CLOSING STD	72	71	81	72

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/04/97				
Blank	113	108	123	107
Concal	100	100	100	100
BERC-S05-1B/2B-A-8'	71	79	89	74
BERC-S05-1B/2B-A-11'	88	92	100	92
MS	75	73	85	80
BERC-S05-1B-A-7'	80	78	87	81
BERC-S05-1B/2B-A-11'	83	78	89	79
BERC-S05-1B-A-7'Dup	75	71	82	73
BERC-S05-SB-1-7'	78	74	80	70
BERC-S05-SB-1-10'	75	73	77	69
BERC-S05-SB-1-12'	66	71	66	53
BERC-S05-SB-2-7'	41	48	38	30
BERC-S05-SB-2-10'	53	60	57	53
BERC-S05-SB-2-12'	47	53	46	42
BERC-S05-4B-C-7'	52	59	51	45
BERC-S05-4B-C-10'	52	57	57	54
BERC-S05-SB-2-12'	49	55	50	45
BERC-S05-4B-C-7'	49	55	50	43
BERC-S05-4B-C-10'	44	53	46	41
BERC-S05-4B-C-12'	45	54	47	40
closing std	41	49	54	42

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/07/97				
Blank	81	87	86	65
Concal	100	100	100	100
BERC-S05-4B-C-10'	77	80	97	73
BERC-S05-4B-C-12'	106	109	111	72
BERC-S04-2D-A-5.5'	89	90	93	67
BERC-S04-2D-A-9'	81	84	85	54
BERC-S04-2D-A-5.5'	86	85	91	69
BERC-S04-2D-B-3'	103	103	105	63
MS	85	82	90	65
BERC-S04-5C-A-11'	82	77	85	70
closing std	35	36	33	23
Date Analyzed: 04/08/97				
Blank	84	88	69	65
Concal	104	108	71	105
Concal	100	100	100	100
BERC-S04-5C-A-15'	102	99	81	82
Blank	91	86	73	73
BERC-S04-5C-A-15'	88	85	70	72
BERC-S04-1D-A-7'	83	87	64	59
BERC-S04-1D-A-9'	84	87	63	59
BERC-S04-2D-C-7.5'	85	80	66	66
BERC-S04-2D-C-9.5'	83	79	64	67
MS	82	77	67	70
BERC-S04-2D-C-15'	57	58	43	43
BERC-S04-2D-C-15'	86	83	67	68
BERC-S04-2D-C-15'	81	76	62	62
BERC-S04-2D-C-15'	46	45	34	34
BERC-S04-3C-A-9'	50	50	40	43
BERC-S04-3C-A-15'	57	58	43	43
CLOSING	69	66	67	67

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/09/97				
Blank	94	89	113	69
Concal	100	100	100	100
BERC-S04-3C-A-15'	99	94	132	88
BERC-S04-3C-B-20'	81	76	99	68
BERC-S04-5C-B-7'	84	78	109	73
BERC-S04-5C-B-10'	77	70	97	66
BERC-S04-5C-B-25'	76	69	88	54
BERC-S04-4C-A-8.5'	76	67	99	69
BERC-S04-3D-A-8'	86	76	109	73
BERC-S04-4C-A-23'	75	65	100	86
BERC-S04-3D-B-10'	81	60	113	85
BERC-S04-4C-A-23'	67	59	80	57
BERC-S04-3D-B-23'	84	66	104	70
MS	74	62	96	64
CLOSING STD	63	57	77	50
BERC-S04-3D-B-23'	74	68	87	42

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/10/97				
Blank	131	149	146	102
Concal	100	100	100	100
BERC-S05-2B-B-14	91	94	103	78
BERC-S05-2B-B-14 DUP	107	119	119	73
BERC-S05-2B-B-20	79	85	75	59
BERC-S05-2B-B-10	79	85	75	59
BERC-S05-2B-B-14	86	91	101	92
BERC-S05-3B-C-10	85	90	92	72
BERC-S05-3B-C-12	71	74	76	61
BERC-S05-3B-D-10	72	77	82	69
BOTTOM OF TANK	62	63	62	51
BERC-S05-3B-D-13	93	91	107	85
BERC-S05-2B-C-10	71	72	71	52
BERC-S05-2B-C-13	83	83	88	71
BERC-S05-3B-D-20	71	76	74	51
MS	70	71	75	58
CLOSING	15	15	14	13

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MOBILE/ONE LABORATORIES INC.

QC Summary
Internal Standard % Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260	Pentafluoro-benzene	1,4-Difluoro-benzene	Chloro-benzene-d5	1,4-Dichloro-benzene-d4
	QC Limit	QC Limit	QC Limit	QC Limit
	30-200%	30-200%	30-200%	30-200%
Date Analyzed: 04/11/97				
Blank	111	114	87	90
Concal	100	100	100	100
BERC-S05-4B-D-10'	91	88	78	84
BERC-S05-4B-D-12'	91	88	78	86
BERC-S05-3A-D-9'	82	80	65	68
BERC-S05-3A-D-12.5'	81	75	68	74
BERC-S05-3A-D-20'	82	77	72	78
BERC-S05-3A-D-9'	62	58	56	58
BERC-S05-3A-D-20'	63	63	54	53
BERC-S05-2A-C-10'	74	67	63	70
MS	69	61	60	68
BERC-S05-3A-E-10'	82	72	69	77
BERC-S05-3A-E-13'	81	72	70	84
BERC-S05-3A-E-10' Dup	76	65	67	80
Closing	72	62	68	86

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MOBILE/ONE LABORATORIES INC.

QC Summary
Spike Recoveries

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260	1,1-DCE	Benzene	TCE	Toluene	Cl-Benz
Recovery % QC Limits	(60-120)	(60-120)	(60-120)	(60-120)	(60-120)
RPD - % QC Limits	<30	<30	<30	<30	<30
Date Analyzed: 03/31/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	8.7	0.5	0.0	0.0	0.0
MS Amount Found	23.0	9.4	10.4	8.5	10.0
MS Recovery	143.3*	89.3	103.9	84.9	100.4
Date Analyzed: 04/01/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	12.0	0.0	2.5	0.0	0.0
MS Amount Found	21.0	10.6	12.5	9.4	10.5
MS Recovery	90.7	105.9	100.2	94.0	105.0
Date Analyzed: 04/02/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	3.2	0.0	2.3	0.0	0.0
MS Amount Found	19.5	10.2	11.8	10.2	10.7
MS Recovery	163.3*	102.0	94.8	101.7	107.2

* = Freon interference with spike recoveries.
Calibration verification was within acceptable limits.
No contamination was found in method blanks at detectable levels.

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MOBILE/ONE LABORATORIES INC.

QC Summary
Spike Recoveries

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method 8260	1,1-DCE	Benzene	TCE	Toluene	Cl-Benz
Recovery % QC Limits	(60-120)	(60-120)	(60-120)	(60-120)	(60-120)
RPD - % QC Limits	<30	<30	<30	<30	<30
Date Analyzed: 04/03/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	4.2	0.0	2.2	0.0	0.0
MS Amount Found	19.0	11.3	12.3	9.8	10.5
MS Recovery	147.9*	113.1	100.9	98.0	105.0
Date Analyzed: 04/04/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	0.8	0.0	0.0	0.0	0.0
MS Amount Found	17.1	11.3	11.2	11.9	11.6
MS Recovery	162.6*	113.0	112.4	119.3	116.4
Date Analyzed: 04/07/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	1.3	0.5	0.0	9.3	0.0
MS Amount Found	13.8	10.4	9.8	18.9	10.8
MS Recovery	125.1*	99.4	98.3	96.1	107.9

* = Freon interference with spike recoveries.
Calibration verification was within acceptable limits.
No contamination was found in method blanks at detectable levels.

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MOBILE/ONE LABORATORIES INC.

QC Summary
Spike Recoveries

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method 8260	1,1-DCE	Benzene	TCE	Toluene	Cl-Benz
Recovery % QC Limits	(60-120)	(60-120)	(60-120)	(60-120)	(60-120)
RPD - % QC Limits	<30	<30	<30	<30	<30
Date Analyzed: 04/08/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	0.7	0.9	0.4	0.8	0.5
MS Amount Found	10.4	10.6	9.9	10.4	11.0
MS Recovery	96.9	96.5	94.9	96.4	105.3
Date Analyzed: 04/09/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	2.6	0.0	67.0	0.5	0.0
MS Amount Found	12.0	9.5	66.6	9.8	10.8
MS Recovery	94.2	94.9	-3.6	93.2	108.4
Date Analyzed: 04/10/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	1.8	0.0	13.9	0.0	0.0
MS Amount Found	12.8	10.4	23.9	9.8	11.5
MS Recovery	109.6	104.4	100.2	97.9	114.7

* = Freon interference with spike recoveries.
Calibration verification was within acceptable limits.
No contamination was found in method blanks at detectable levels.

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MOBILE/ONE LABORATORIES INC.

QC Summary
Spike Recoveries

Client: Ogiso
Project: Alameda NAS
Matrix: water

Method 8260	1,1-DCE	Benzene	TCE	Toluene	Cl-Benz
Recovery % QC Limits	(60-120)	(60-120)	(60-120)	(60-120)	(60-120)
RPD - % QC Limits	<30	<30	<30	<30	<30
Date Analyzed: 04/11/97					
Spike Level (ug/kg)	10.0	10.0	10.0	10.0	10.0
Sample Amount	6.9	0.0	1.6	0.0	0.0
MS Amount Found	19.0	8.6	16.9	8.5	10.0
MS Recovery	121.2*	85.8	153.5	84.9	99.5

* = Freon interference with spike recoveries.
Calibration verification was within acceptable limits.
No contamination was found in method blanks at detectable levels.

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MOBILE/ONE LABORATORIES INC.

QC Summary
Initial Calibrations
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

	Area	Amount ng	Calibration Factor
Method EPA 8260			
3/28/97			
Vinyl Chloride			
level 1	26572	2	13286.00
level 2	133200	10	13320.00
level 3	1492395	100	14923.95
Chloroethane			
level 1	5971	2	2985.50
level 2	38132	10	3813.20
level 3	339654	100	3396.54
1,1-Dichloroethene			
level 1	14517	2	7258.50
level 2	41836	10	4183.60
level 3	444275	100	4442.75
trans-1,2-Dichloroethene			
level 1	26958	2	13479.00
level 2	118788	10	11878.80
level 3	1187244	100	11872.44
cis-1,2-Dichloroethene			
level 1	37722	2	18861.00
level 2	136659	10	13665.90
level 3	1307445	100	13074.45
1,1,1-Trichloroethane			
level 1	42866	2	21433.00
level 2	186676	10	18667.60
level 3	1865833	100	18658.33
1,2-Dichloroethane			
level 1	55222	2	27611.00
level 2	187085	10	18708.50
level 3	1705080	100	17050.80

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MOBILE/ONE LABORATORIES INC.

QC Summary
Initial Calibrations
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

	Area	Amount ng	Calibration Factor
EPA 8260			
3/28/97			
Benzene			
level 1	143407	2	71703.50
level 2	534385	10	53438.50
level 3	4685474	100	46854.74
Trichloroethene			
level 1	30208	2	15104.00
level 2	133488	10	13348.80
level 3	1299133	100	12991.33
Toluene			
level 1	85014	2	42507.00
level 2	325341	10	32534.10
level 3	3182777	100	31827.77
Tetrachloroehtene			
level 1	28216	2	14108.00
level 2	147936	10	14793.60
level 3	1426717	100	14267.17
Ethylbenzene			
level 1	163515	2	81757.50
level 2	762587	10	76258.70
level 3	7606383	100	76063.83
m,p-Xylene			
level 1	120119	2	60059.50
level 2	573023	10	57302.30
level 3	6064888	100	60648.88
o-Xylene			
level 1	65575	2	32787.50
level 2	278209	10	27820.90
level 3	2883307	100	28833.07

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MOBILE/ONE LABORATORIES INC.

QC Summary
Continuing Calibration
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260				
	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)
CCAL date -	3/31/97 am	3/31/97 pm	4/1/1997 am	4/1/1997 pm
Compound				
Vinyl Chloride	11.0	35.1	15.5	-24.5
Chloroethane	-27.4	-24.5	-29.3	-72.0
1,1-Dichloroethene	-17.7	14.8	-14.4	-51.9
trans-1,2-Dichloroethene	-2.8	21.0	7.0	-29.2
1,1-Dichloroethane	0.6	34.0	19.4	-32.7
cis-1,2-Dichloroethene	-3.7	26.6	12.2	-20.7
1,1,1-Trichloroethane	-1.4	23.7	8.1	-27.4
Carbon Tetrachloride	-1.7	7.3	-2.2	-16.1
1,2-Dichloroethane	9.9	26.2	17.7	-9.0
Benzene	-2.6	15.9	7.6	-13.4
Trichlorothene	-2.1	3.5	-1.7	-11.4
Toluene	-0.7	10.3	6.8	6.0
Tetrachloroethene	3.8	5.7	-14.8	-44.2
Ethylbenzene	14.5	3.5	-1.4	-10.8
m,p-Xylene	10.0	5.0	8.8	-9.0
o-Xylene	14.8	7.1	12.5	-2.4

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MOBILE/ONE LABORATORIES INC.

QC Summary
Continuing Calibration
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260				
	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)
CCAL date -	04/02/97 am	04/02/97 pm	4/3/97 am	4/3/97 pm
Compound				
Vinyl Chloride	-13.3	23.4	8.7	-1.0
Chloroethane	-3.5	-32.9	1.0	-61.8
1,1-Dichloroethene	-31.2	-37.8	-1.3	-44.3
trans-1,2-Dichloroethene	-22.9	-0.3	-3.2	-20.0
1,1-Dichloroethane	-23.5	14.0	-5.8	-11.8
cis-1,2-Dichloroethene	-11.9	-0.7	2.4	-12.0
1,1,1-Trichloroethane	-16.6	0.9	7.6	-12.7
Carbon Tetrachloride	-11.7	-9.6	6.1	-9.6
1,2-Dichloroethane	-4.6	6.8	6.4	-11.8
Benzene	-10.6	3.7	-3.0	-6.4
Trichlorothene	-8.6	-6.6	-4.3	-12.6
Toluene	-1.3	8.8	3.5	7.3
Tetrachloroethene	-26.8	-16.7	-23.2	-15.4
Ethylbenzene	-11.1	2.6	-14.8	-5.7
m,p-Xylene	-18.6	5.9	-17.9	0.3
o-Xylene	-8.5	9.9	-9.8	2.4

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MOBILE/ONE LABORATORIES INC.

QC Summary
Continuing Calibration
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260				
	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)
CCAL date -	04/04/97 am	04/04/97 pm	04/07/97 am	04/07/97 pm
Compound				
Vinyl Chloride	4.6	-46.1	-20.9	-7.9
Chloroethane	6.7	-6.4	54.1	-124.8
1,1-Dichloroethene	-7.3	-92.4	-0.1	-0.9
trans-1,2-Dichloroethene	-11.7	-38.1	-25.3	-14.8
1,1-Dichloroethane	-11.6	-53.7	-31.8	-11.1
cis-1,2-Dichloroethene	-5.1	-30.1	-14.5	-5.6
1,1,1-Trichloroethane	-1.5	-49.1	-27.5	-19.2
Carbon Tetrachloride	0.8	-9.8	-11.9	-13.4
1,2-Dichloroethane	7.8	-22.5	-5.1	-4.5
Benzene	-3.2	-17.8	-11.6	-3.4
Trichlorothene	-6.8	-14.6	-10.1	-8.3
Toluene	-1.1	-4.8	-8.5	11.5
Tetrachloroethene	-26.8	-30.0	-31.9	-39.8
Ethylbenzene	-25.5	-38.7	-32.4	-5.6
m,p-Xylene	-11.7	-20.8	-30.8	9.2
o-Xylene	-7.4	-21.8	-24.9	13.3

MC121

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469
816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE/ONE LABORATORIES INC.

QC Summary
Continuing Calibration
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260				
	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)
CCAL date -	04/08/97 am	04/08/97 pm	04/09/97 am	04/09/97 pm
Compound				
Vinyl Chloride	-28.7	-8.4	-27.9	11.9
Chloroethane	41.0	1.4	-5.5	-161.0
1,1-Dichloroethene	6.4	7.2	16.8	23.0
trans-1,2-Dichloroethene	-20.6	-14.0	-13.4	-6.5
1,1-Dichloroethane	-28.7	-11.6	-18.5	8.0
cis-1,2-Dichloroethene	-11.3	-7.3	-10.0	2.1
1,1,1-Trichloroethane	-21.4	-10.5	-10.6	-10.1
Carbon Tetrachloride	-5.8	-10.9	4.5	-22.3
1,2-Dichloroethane	0.1	3.1	8.1	-3.7
Benzene	-11.3	-4.4	-2.3	-1.7
Trichlorothene	-5.0	-16.9	-0.8	-14.0
Toluene	-3.8	-0.1	2.5	9.5
Tetrachloroethene	-40.4	-28.9	-42.0	-17.4
Ethylbenzene	-44.7	-5.8	-10.8	-5.6
m,p-Xylene	-37.7	-17.5	-46.7	8.7
o-Xylene	-30.9	-9	-28.6	7.2

MC121

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MOBILE/ONE LABORATORIES INC.

QC Summary
Continuing Calibration
EPA 8260

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method EPA 8260				
	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)	%Deviation (Limit 50%)
CCAL date -	04/10/97 am	04/10/97 pm	04/11/97 am	04/11/97 pm
Compound				
Vinyl Chloride	7.9	4.0	-20.6	14.9
Chloroethane	-55.0	-50.1	-8.2	-44.9
1,1-Dichloroethene	-34.2	4.2	-17.9	-15.4
trans-1,2-Dichloroethene	-12.4	-14.9	-20.2	14.4
1,1-Dichloroethane	-3.4	-4.9	-18.8	12.0
cis-1,2-Dichloroethene	-0.6	2.6	-9.3	19.6
1,1,1-Trichloroethane	-11.8	-14.3	-28.4	2.2
Carbon Tetrachloride	-21.8	-16.7	-28.2	-18.3
1,2-Dichloroethane	1.2	-3.4	1.8	3.3
Benzene	4.2	1.7	0.4	6.2
Trichlorothene	-10.9	-5.4	-10.9	-15.1
Toluene	4.4	15.8	10.9	4.3
Tetrachloroethene	-31.9	-41.2	-49.9	-19.1
Ethylbenzene	-28.3	7.8	-30.8	-4.5
m,p-Xylene	-22.5	2.6	-31.1	-3.7
o-Xylene	-19.3	11.9	-26.1	-0.9

MC121

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816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

MOBILE/ONE LABORATORIES INC.

QC Summary

Client: Ogiso
Project: Alameda NAS

Matrix: water

Method 8260

Sample ID	Sensitivity check	Second Source
	QC Limits	QC Limits
Units ug/L -	(0.35 - 0.75)	(32.5-67.5)
Date Analyzed -	3/28/97	3/31/97
COMPOUND		
Vinyl Chloride	0.51	53.7
Chloroethane	0.39	57.1
1,1-Dichloroethene	1.13	78.7
trans-1,2-dichloroethen	0.65	51.5
1,1-Dichloroethane	0.50	45.0
cis-1,2-dichloroehtene	0.60	52.4
1,1,1-Trichloroethane	0.55	52.3
Carbon Tetrachloride	0.62	57.9
1,2-Dichloroethane	0.49	46.5
Benzene	0.67	57.7
Trichloroethene	0.71	57.8
Toluene	0.75	57.7
Tetrachloroethene	0.74	52.0
Ethylbenzene	0.70	49.7
m,p-Xylene	0.63	49.0
o-Xylene	0.60	46.1

nd = not found above the detection limit

& = gasoline range organics not identified as gasoline
# = diesel range organics not identified as diesel
* = sample dilution was required. Detection limits were adjusted accordingly.

Analyses performed by: T. Davis

MC121

148 SO. VINEWOOD STREET • ESCONDIDO, CA 92029 • PHONE (760) 735-3208 • FAX (760) 735-2469
816 CHURCH STREET • SAN FRANCISCO, CA 94114 • PHONE (415) 920-9972 • FAX (415) 920-9983

CHAIN-OF-CU :ODY RECORD

MOBILE/ONE LABORATORIES INC.

MOL: 1.1

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

Date: 3/31/97 Page 1 of 1

Client: PRC

Site Address: Bldg. 5

Project: Alameda Naval Air Station

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)					Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Berc-S05-3B-A-7'	3/31	1015							X	(headspace)				W	2 comp→1
Berc-S05-3B-A-9'	↓	1100							X	(headspace)				W	3 comp→1
Berc-S05-3B-A-12'	↓	1140							X			11		W	1
Berc-S05-3B-A-14'	↓	1240							X					W	2
Berc-S05-5B-A-12'	↓	1515							X					W	2
Berc-S05-5B-A-15'	↓	1545							X					W	~~2~~ 1 TD

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* Neal Hutchison	3/31	Signature:*		Signature:*	
Printed Name: Neal Hutchison	Time: 15:45	Printed Name:	Time:	Printed Name:	Time:
Company: PRC		Company:		Company:	

1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature:* Jamaal Davis	3/31	Signature:*		Signature:*	
Printed Name: Jamaal Davis	Time: 1545	Printed Name:	Time:	Printed Name:	Time:
Company: MO[illegible]		Company:		Company:	

Sample Receipt

Intact: Yes No

Seal Intact: Yes No N/A

Cold: Yes No N/A (Received on site)

Special Instructions

*Signature constitu[illegible]horization to proceed with analysis and acceptance of conditions on back.

CHAIN-OF-CUSTODY RECORD

MOBILE ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: tn

Date: 4/1/97 Page 1 of 1

Client: PRC

Site Address: Bldg 5

Project: Alameda NAS

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Berc-S05-5B-B-7'	4/1	0800							X						W	1
Berc-S05-5B-B-10'	4/1	085							X						W	1
Berc-S05-5B-B-13.5'	4/1	0900							X						W	1
Berc-S05-4A-B-8	4/1	1005							X	(headspace)					W	1
Berc-S05-4A-A-10	4/1	1040							X						W	1
Berc-S05-4A-A-12	4/1	1100							X						W	1
Berc-S05-4B-A-7'	4/1	1300							X						W	1
Berc-S05-4B-A-10'	4/1	1315							X						W	1
Berc-S05-4B-A-12'	4/1	1320							X						W	1
Berc-S05-4B-B-8'	4/1	1430							X						W	1
Berc-S05-4B-B-10'	4/1	1520							X						W	1
Berc-S05-4B-B-13.5'	4/1	1510							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature: Chad Nichols	4/2/97	Signature:*		Signature:*	
Printed Name: CHAD Nichols	Time: 0820	Printed Name:	Time:	Printed Name:	Time:
Company: OGISO		Company:		Company:	

1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature: Tamara Davis	4/2/97	Signature:*		Signature:*	
Printed Name: Tamara Davis	Time: 0820	Printed Name:	Time:	Printed Name:	Time:
Company: MUL		Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: Yes No

Seal Intact: Yes No N/A

Cold: Yes No N/A (Received on site)

Special Instructions

CHAIN-OF-CU TODY RECORD

MOBILE/ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: PRI

Date: 4/2/97 Page 1 of 1

Client: PRC

Site Address: BLDG 5

Project: Alameda NAS

Sampler (signature):

Turnaround Requested:

- ☒ Onsite/24-48 hrs.
- ☐ Offsite
- ☐ Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Berc-S05 - 3B-B-8	4/2	0800							X						W	1
Berc-S05-3B-B-9.5	4/2	0820							X						W	1
Berc-S05-3B-B-14	4/2	0835							X						W	1
Berc-S05-3A-A-8	4/2	1020							X						W	1
Berc-S05-3A-A-10		1055							X						W	1
Berc-S05-3A-A-13.5		1110							X						W	1
Berc-S05-2AA-7.5		1230							X						W	1
Berc-S05-2AA-10		1230							X						W	1
Berc-S05-2AA-13.5		1300							X						W	1
Berc-S05-2B-A-8		1450							X						W	1
Berc-S05-2B-A-5		1510							X						W	1
tank		1530							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* [signature]	4/2/97	Signature:*		Signature:*	
Printed Name: CHAD NICHOLS	Time: 16:59	Printed Name:	Time:	Printed Name:	Time:
Company: OCISO		Company:		Company:	
1. RECEIVED BY:	Date: 2 Apr 97	**2. RECEIVED BY:**	Date:	**3. RECEIVED BY:**	Date:
Signature:* [signature]		Signature:*		Signature:*	
Printed Name: T. DAVIS	Time: 1700	Printed Name:	Time:	Printed Name:	Time:
Company: M[illegible]		Company:		Company:	

*Signature constit[illegible] authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: Yes No (N/A Received on site)

Special Instructions

CHAIN–OF–CUSTODY RECORD

MOBILE/ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: 1K

Date: 4/3/97 Page 1 of 1

Client: PRC

Site Address: Bldgs

Project: Alameda NAS

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Serc-SC5-3~~B-A-8~~ A-B-8	4/3	0845							X						W	1
3~~B-A-12~~ A-B-12		0900							X						W	1
3A-B-14		0930							X						W	1
2A-B-7.5		1010							X						W	1
2A-B-10		1030							X						W	1
2A-B-10 Dup		1030							X						W	1
3A-C-8		1410							X						W	1
3A-C-11		1500							X						W	1
3A-C-14		1500							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* Chad Nicholas	4/3/97	Signature:*		Signature:*	
Printed Name: CHAD NICHOLS	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: CERCO	1500	Company:		Company:	

1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature: [illegible]	4/3/97	Signature:*		Signature:*	
Printed Name: T. Davis	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: MOL	1500	Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: Yes No

Seal Intact: Yes No N/A

Cold: Yes No N/A (Received on site)

Special Instructions

CHAIN-OF-CU TODY RECORD

MOBILE ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: 110

Date: 4/4/97 Page 1 of 1

Client: PRC

Site Address: Bld 5

Project: Alameda NAS

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Berc-S05-1B/2B-A-8'	4/4	0750							X						W	1
1B/2B-A-11		0830							X						W	1
1B-A-7		0900							X						W	1
1B-A-7 Dup		0945							X						W	1
SB-1-7		1050							X						W	1
SB-1-10		1105							X						W	1
SB-1-12		1130							X						W	1
SB-2-7		1300							X						W	1
SB-2-10		1330							X						W	1
SB-2-12		1330							X						W	1
ABC-7		1420							X						W	1
ABC-10		1435							X						W	1
ABC-12		1500							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* [signature]	4/7/97	Signature:*		Signature:*	
Printed Name: Chad Nichols	Time: 1006	Printed Name:	Time:	Printed Name:	Time:
Company: OCIC		Company:		Company:	

1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature: [signature]	4/4/97	Signature:*		Signature:*	
Printed Name: T Davis	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: [illegible]		Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: Yes No (N/A) (Received on site)

Special Instructions

CHAIN-OF-CUSTODY RECORD

MOBILE/ONE LABORATORIES, INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: IN

Date: 4-7-97 Page 1 of 1

Client: PRC

Site Address:

Project: Bldg 360

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Berc-SOA-2D-A-5.5'	4/7/97								X						W	1
2D-A-9									X						W	1
2D-B-3'									X						W	1
3C-A-11'									X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* [illegible]	4/5/97	Signature:*		Signature:*	
Printed Name: CHAD [illegible]	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: CRSD		Company:		Company:	
1. RECEIVED BY:	**Date:**	**2. RECEIVED BY:**	**Date:**	**3. RECEIVED BY:**	**Date:**
Signature:* [illegible]	4/7/97	Signature:*		Signature:*	
Printed Name: [illegible]	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: PRC	1600	Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: Yes No

Seal Intact: Yes No N/A

Cold: Yes No N/A (Received on site)

Special Instructions

CHAIN-OF-CU TODY RECORD

MOBILE ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: 1-1

Date: 4/8/97 Page 1 of 1

Client: PRC

Site Address:

Project: Bldg 360

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
5C-A-15	4/8	0815							X						W	1
1D-A-7		1000							X						W	1
1D-A-9		1030							X						W	1
2D-C-7.5		1130							X						W	1
2D-C-9.5		1200							X						W	1
2D-C-15		1400							X						W	1
~~2D-A-9'~~ 3CA9'		1500							X						W	1
~~2D-A-15~~ 3CA15'		1675							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* Chad Nichols	4/10/97	Signature:*		Signature:*	
Printed Name: CHAD NICHOLS	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: OGISO		Company:		Company:	

1. RECEIVED BY:	Date:	2. RECEIVED BY:	Date:	3. RECEIVED BY:	Date:
Signature:* Tamara Davis	4/8/97	Signature:*		Signature:*	
Printed Name: Tamara Davis	Time: 1600	Printed Name:	Time:	Printed Name:	Time:
Company: M		Company:		Company:	

*Signature constit[illegible] authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: Yes No (N/A) (Received on site)

Special Instructions

CHAIN-OF-CUSTODY RECORD

MOBILE ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: -1

Date: 4/9/97 Page 1 of

Client: PRC

Site Address: Alameda NAS

Project: Bldg 360

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
3C-B-20	4/9	0815							X						W	1
5C-B-7'		1055							X						W	1
5C-B-10'		1155							X						W	1
5C-B-25'		1310							X						W	1
3D-A-8		1400							X						W	1
4C-A-8.5		1400							X						W	1
4C-A-23		1430							X						W	1
3D-B-10'		1530							X						W	1
3D-B-23		1550							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature: [signature]	4/9	Signature:*		Signature:*	
Printed Name: CHAD NICHOLS	Time: 1700	Printed Name:	Time:	Printed Name:	Time:
Company: OGISO		Company:		Company:	
1. RECEIVED BY:	Date:	**2. RECEIVED BY:**	Date:	**3. RECEIVED BY:**	Date:
Signature: [signature]	4/9/94	Signature:*		Signature:*	
Printed Name: T Davis	Time: 1700	Printed Name:	Time:	Printed Name:	Time:
Company: MOL		Company:		Company:	

Sample Receipt

Intact: Yes No

Seal Intact: Yes No N/A

Cold: Yes No N/A (Received on site)

Special Instructions

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

CHAIN-OF-CU TODY RECORD

MOL: 121

ONE LABORATORIES INC.
148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

Date: 4/10/97 Page 1 of

Client: PRC

Site Address:

Project: Bldg. 5

Sampler (signature):

Turnaround Requested:
- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
2B-B-10'	4/10	840							X						W	1
2B-B-14		0900							X						W	1
2B-B-14 Dupe		0900							X						W	1
2B-B-20		0920							X						W	1
3B-C-10		1110							X						W	1
3B-C-12		1200							X						W	1
Bottom of tank		1315							X						W	1
3B-D-10'		1330							X						W	1
3B-D-13		1400							X						W	1
2B-C-10		1510							X						W	1
3B-D-20'									X						W	1
2B-C-13									X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* [signature]	4/11/97	Signature:*		Signature:*	
Printed Name: Chandra Nicolas	Time: 7:25	Printed Name:	Time:	Printed Name:	Time:
Company: OGISO		Company:		Company:	
1. RECEIVED BY:	Date:	**2. RECEIVED BY:**	Date:	**3. RECEIVED BY:**	Date:
Signature:* [signature]	4/10	Signature:*		Signature:*	
Printed Name: Tamara Davis	Time: 7:25	Printed Name:	Time:	Printed Name:	Time:
Company: M		Company:		Company:	

*Signature constit[illegible] thorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt
Intact: (Yes) No
Seal Intact: Yes No (N/A)
Cold: Yes No (N/A) (Received on site)

Special Instructions

CHAIN–OF–CU ODY RECORD

MOBILE/ONE LABORATORIES INC.

148 So. Vinewood Street, Escondido, CA 92029 (619) 735-3208 FAX (619) 735-2469

MOL: 1R1

Date: 4/11/97 Page 1 of

Client: PRC

Site Address: Bldg 5

Project:

Sampler (signature):

Turnaround Requested:

- [x] Onsite/24-48 hrs.
- [ ] Offsite
- [ ] Other

Analysis Requested

Sample ID	Date	Time	Location	TPHg+d-8015M	TPHg-8015M (P&T)	BTEX-8020	TPHg/BTEX-8015M/8020	TRPH-418.1	8260 (VOC's-8240)						Matrix: Soil (S), Sludge (SL), Aqueous (W)	Number of containers
Berc-SOS-4B-D-10'	4/11	0830							X						W	1
4B-D-12'	"	845							X						W	1
3A-D-9'	"	1020							X						W	1
3A-D-12.5'	"	"							X						W	1
3A-D-20'	"	1035							X						W	1
2A-C-10'	"	1250							X						W	1
3A-E-10'		1430							X						W	1
3A-E-10' Dup		1455							X						W	1
3A-E-13		"							X						W	1

1. RELINQUISHED BY:	Date:	2. RELINQUISHED BY:	Date:	3. RELINQUISHED BY:	Date:
Signature:* Chad Nichols	4/11/97	Signature:*		Signature:*	
Printed Name: CHAD NICHOLS	Time: 1515	Printed Name:	Time:	Printed Name:	Time:
Company: OSIS		Company:		Company:	
1. RECEIVED BY:	**Date:**	**2. RECEIVED BY:**	**Date:**	**3. RECEIVED BY:**	**Date:**
Signature:* Jamal Davis	4/11/97	Signature:*		Signature:*	
Printed Name: T Davis	Time: 1515	Printed Name:	Time:	Printed Name:	Time:
Company: MOL		Company:		Company:	

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample Receipt

Intact: (Yes) No

Seal Intact: Yes No (N/A)

Cold: Yes No (N/A) (Received on site)

Special Instructions

APPENDIX E

EXPLORATORY LOCATION SURVEY DATA
G. WADE HAMMOND LAND SURVEYOR
AND OGISO ENVIRONMENTAL

SUMMARY OF SURVEY DATA
EFW BORINGS

Location Number	Site	East Coordinate	North Coordinate	Ground Surface Elevation (ft.MSL)
0-4	4	1482004.307	470122.0924	13.1
1-2	5	1478814.558	472089.2363	11.04
1-3	4	1481973.615	470448.157	16.44
1-3	4	1482133.005	470473.357	16.44
1-3	5	1478666.969	472102.5982	11.84
1-4	4	1481870.238	470343.7784	13.07
1-6	4	1481586.254	470255.1298	12.13
2-1	4	1482196.234	470703.0203	12.27
2-1	5	1479009.387	472238.8611	10.5
2-2	4	1482101.245	470647.6666	13.07
2-2	5	1478828.947	472254.3727	10.63
2-3	4	1481957.655	470529.022	16.47
2-3	5	1478575.387	472274.2443	11.16
2-4	4	1481817.816	470518.5751	12.9
2-4	5	1478413.054	472282.4106	11.03
2-5	4	1481659.736	470447.4078	12.18
2-6	4	1481561.214	470401.7174	12.35
2-7	4	1481433.907	470336.4587	13.06
2-8	4	1481321.81	470320.3958	12.29
3-1	4	1482154.977	470832.452	12.06
3-1	5	1479024.189	472446.9851	11.16
3-2	4	1482010.254	470755.0006	11.79
3-2	5	1478787.695	472404.6608	12.71
3-3	4	1481883.149	470696.9548	12.18
3-3	5	1478589.365	472423.4648	12.38
3-4	4	1481750.396	470645.7452	12.78
3-4	5	1478429.391	472430.5015	12.16
3-5	4	1481611.787	470603.3203	11.95
3-5	5	1478233.059	472445.0363	12.25
3-6	4	1481501.769	470548.8685	12.46
3-7	4	1481366.943	470487.1379	12.16
3-8	4	1481239.971	470421.6217	11.58
3-9	4	1481140.7	470327.2631	12.12
4-1	4	1482095.668	470965.9635	10.51
4-1	5	1479036.29	472623.5361	11.66
4-2	4	1481965.306	470923.4856	10.45
4-2	5	1478816.829	472635.379	13.04
4-3	4	1481829.833	470855.9964	10.9
4-3	5	1478670.409	472651.4574	12.73
4-4	4	1481695.801	470793.5303	11.14
4-4	5	1478520.845	472669.4836	13.13
4-5	4	1481558.462	470737.1084	11.54
4-5	5	1478364.439	472676.8476	12.93

SUMMARY OF SURVEY DATA
EFW BORINGS

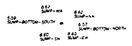
Location Number	Site	East Coordinate	North Coordinate	Ground Surface Elevation (ft.MSL)
4-6	4	1481424.869	470672.9427	12.44
4-6	5	1478224.074	472689.6741	13
4-7	4	1481300.743	470609.831	12.54
4-8	4	1481147.502	470535.2143	11.93
5-1	5	1479055.007	472785.1415	12.12
5-10	4	1480759.947	470593.1619	10.62
5-2	5	1478825.294	472815.919	12.56
5-3	4	1481757.096	470985.1117	11.82
5-3	5	1478675.082	472804.8227	13.16
5-4	4	1481625.046	470953.8029	11.81
5-4	5	1478524.132	472817.7762	13.13
5-5	5	1478368.358	472829.9388	12.97
5-6	4	1481351.795	470799.7336	11.71
5-7	4	1481204.838	470718.1097	12.17
5-8	4	1481070.23	470661.747	12.92
5-9	4	1480930.215	470673.377	12.95
6-1	5	1479071.995	472995.5683	13.54
6-10	4	1480715.245	470708.1279	10.01
6-10A	4	1480741.4	470782.871	9.7
6-2	5	1478828.196	472994.2687	12.46
6-3	5	1478681.996	473006.7223	13.1
6-4	5	1478532.396	473021.9013	13.02
6-5	5	1478382.381	473035.7714	12.91
6-6	4	1481280.627	470936.799	12.29
6-8	4	1480990.31	470805.912	13.03
6-9	4	1480862.505	470772.0805	10.87
7-1	5	1479083.584	473190.7043	11.76
7-2	5	1478856.265	473197.4127	11.3
7-3	5	1478679.909	473222.9923	12.44
7-4	5	1478499.248	473239.9722	12.82
7-7	4	1481045.807	470996.717	10.59
7-8	4	1480904.538	470947.7667	11.99
7-9	4	1480759.244	470886.3203	9.84
SUMP-BOTTOM-NORTH	14	1474729.114	476349.5936	6.57
SUMP-BOTTOM-SOUTH	14	1474724.434	476346.1628	6.59
SUMP-EW	14	1474728.378	476344.7329	8.65
SUMP-NW	14	1474731.458	476350.5572	8.62
SUMP-SW	14	1474722.207	476344.2958	8.6
SUMP-WW	14	1474724.356	476350.2158	8.62

SUMMARY OF SURVEY DATA
OGISO BORINGS

PRC/OGISO Pt. Name	Site	East Coordinate	North Coordinate	Ground Surface Elevation (ft.MSL)
3A-C	4	1479082.79	473064.75	114.36
1B/2B-A	4	1479093.43	472843.16	114.32
3A-B	4	1478938.56	472965.45	114.09
2B-B	4	1478888.34	472959.56	113.92
3A-A	4	1478862.54	472895.54	113.85
2A-A	4	1478789.74	472940.63	114.35
3B-D	4	1479012.19	472630.81	113.78
4B-D	4	1478973.34	472509.15	113.61
2B-C	4	1479100.19	472698.16	113.26
3B-C	4	1478937.5	472721.28	114.57
4B-C	4	1478926.04	472565.68	114.14
SB-2	4	1478824.99	472337.32	112.89
SB-1	4	1478596.89	472423.25	113.78
2B-A	4	1478331.81	473026.04	114.03
1B-A	4	1478854.49	473335.24	111.33
3B-A	4	1478717.05	472987.65	114.54
2A-C	4	1478706.09	472899.79	114.6
3B-A	4	1478862.71	472811.02	114.1
2A-B	4	1478528.43	472812.65	114.6
3A-D	4	1478521.51	472610.36	114.67
3A-E	4	1478430.63	472545.7	114.58
4A-A	4	1478650.32	472566.43	114.52
5B-B	4	1478773.42	472551.85	113.94
4B-B	4	1478722.07	472771.72	114.46
4B-A	4	1478867.99	472594.41	114.24
5B-A	4	1478880.62	472431.48	114.46
3D-B	5	1481924.67	470695.52	113.46
5C-A	5	1481955.83	470708.66	113.2
4C-A	5	1481993.35	470673.09	114.19
5C-B	5	1482042.35	470730.2	113.75
2D-A	5	1482055.32	470656.79	114.46
1D-A	5	1482096.54	470695.01	114.14
2D-C	5	1481897.97	470805.43	112.92
1C-A	5	1482247.95	470514.71	113.78
2D-B	5	1482290.31	470446.4	113.44
3C-B	5	1482072.25	470610.67	117.88
3D-A	5	1482082.51	470556.67	117.96
3C-A	5	1482038.43	470594.77	117.85

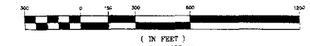
APPENDIX F

SITE 14 TCDD TOXIC EQUIVALENTS



AREA 14

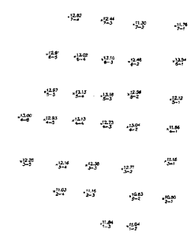
GRAPHIC SCALE



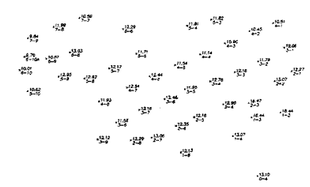
(IN FEET)
1 inch = 300 ft.

4-23-1998

AREA 5



AREA 4



HORIZONTAL CONTROL:

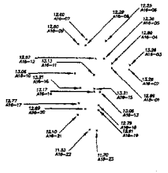
CALIFORNIA COORDINATE SYSTEM
DATA AS PROVIDED BY TETRA TECH EM
FOUND CUT CROSSES & NAILS
SITES 4 & 16 ARE BASED ON THE SAME FOUND HORIZONTAL CONTROL
SITES 4/16, 5 AND 14 ARE BASED ON SEPARATE FOUND HORIZONTAL CONTROL POINTS

BENCH MARK

ACBN = HT0862 ********** BENCH MARK DESCRIPTION **********
DESIGNATION -- 541 4750 TIDAL ? STATE--CA COUNTY--ALAMEDA
QUAD--037122! OSN-- LATITUDE = N374647. LONGITUDE = W1221748
MONUMENT BY--CGS YR--1938 MARK TYPE--TIDAL STATION DISK
LAST RECOVERY BY--NGS YR--1988D930 CONDITION--GOOD
STAMPING--NO ? 1939
***** SPECIFIC SETTING--RETAINING WALL
***** MARK ORIGIN --- CGS
AT ALAMEDA, AT THE U.S. NAVAL AIR STATION; AT THE ? JUNCTION OF ATLANTIC AVENUE AND 5TH STREET, IN TOP OF THE CONCRETE BULKHEAD AT THE NORTHEAST CORNER OF A LAGOON, 1010 FEET SOUTHWEST OF AND ACROSS 5TH STREET FROM THE SOUTHWEST CORNER OF BUILDING 56, 38.9 FEET WEST OF THE WEST CURB OF THE STREET, 22 FEET NORTH OF THE PROLONGATION OF ATLANTIC AVENUE, 9.5 FEET NORTHWEST OF THE CENTER ONE OF THREE RAILS PAINTED YELLOW TO PROTECT HIGH VOLTAGE BOXES, 7.5 FEET WEST OF BENCH MARK LAGOON N.E. (USN), AND ABOUT LEVEL WITH THE STREET.
***** REPORT BY--NGS DATE--1963 CONDITION--GOOD
***** REPORT BY--NGS DATE--1988 CONDITION--GOOD
RECOVERED IN GOOD CONDITION WITH THE FOLLOWING EXCEPTIONS:
DELETE--100.4 FT SOUTHWEST AND ACROSS 37h STREET FROM THE SOUTHWEST CORNER OF BUILDING 66. ADD--36.9 W (121.1 FT) SOUTHWEST OF THE SOUTHWEST CORNER OF BUILDING 66.

ELEVATION: 9.13 1988 DATUM

AREA 16



BORING SURVEY

ALAMEDA POINT
ALAMEDA COUNTY, CALIFORNIA

PROFESSIONAL LAND SURVEYOR
LOUIS WADE HAMMOND
EXP. 9-31-02
NO. 6163
STATE OF CALIFORNIA

L. Wade Hammond
Licensed Land Surveyor
No. 6163
36660 Newark Blvd. Suite D
Newark, California
#4560
Tel:(510) 794-1600
Fax:(510) 794-1620

Job No. 408

APPENDIX F

SITE 14 TCDD TOXIC EQUIVALENTS

TOXICITY EQUIVALENCY FACTORS

The concept of toxicity equivalency (TEQ) in evaluating mixtures of dioxin and furan compounds is fundamental to the evaluation of complex mixtures of these chemicals. Much of the historical data on dioxins was obtained using 2,3,7,8-TCDD as the experimental compound, although more limited data exist for other individual congeners. Currently, estimates of body burden suggest that greater than 90 percent of the total dioxin equivalence is due to PCDDs and PCDFs, other than 2,3,7,8-TCDD. While there are empirical bases for the toxicity equivalency factors (TEF) assigned to PCDDs and PCDFs relative to 2,3,7,8-TCDD, they generally represent order-of-magnitude estimates of relative toxicity. The TEQ approach constitutes a "relative ranking" scheme based on 2,3,7,8-TCDD and is considered a useful estimate of total "dioxin" toxicity that is needed because the available data on the effects of individual congeners are incomplete and dioxins and furans are always present as mixtures in the environment.

In addition to the idea of "relative ranking," there is a second aspect to the TEQ approach, which is the concept of additivity. The hypothesis is that the toxicity of a mixture of dioxin and furan compounds can be estimated by adding together the products of the concentrations of the individual congeners and their TEFs. This hypothesis has not been extensively tested, although existing data addressing this issue are generally supportive of additivity. There is currently general acceptance of the concept of additivity, but it is recognized that issues such as congener interactions, the presence of alternate biochemical receptors for PCDDs/PCDFs, and the unavoidable presence of other dietary constituents that are similar to PCDDs in their mechanisms of toxic action must be considered as part of the uncertainty of this method (EPA 1995).

Of the 210 possible configurations (isomers or congeners) of chlorine substitution in PCDDs and PCDFs, the most toxic isomer is 2,3,7,8-TCDD (EPA 1994). TEFs are used to evaluate the toxicity of complex mixtures of PCDD and PCDF isomers by expressing their potency relative to 2,3,7,8-TCDD. The use of an additive model is permitted because the toxicological mode of action is assumed to be similar among all congeners (Hoffman and others 1996). Table 1 summarizes TEFs for common isomers (EPA 1994).

To estimate the toxicity of a mixture of PCDDs and PCDFs, it is first necessary to convert all individual isomer concentrations to TCDD TEQs. TEQs are determined by summing the individual congener's concentrations multiplied by their corresponding TEFs. For example, if there were 4 μg/kg of 2,3,4,7,8-pentachlorodibenzodioxin (PeCDD) and 20 μg/kg of octachlorodibenzodioxin (OCDD) measured at a site, the TEQ is calculated as [4(0.5) + 20(0.001)] = 2.02 μg/kg.

REFERENCES

EPA. 1994. "Health Assessment Document for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and Related Compounds." Volume III of III. Review Draft. EPA/600/BP-92/001c.

EPA. 1995. "Estimating Exposure to Dioxin-Like Compounds. Volume 1: Executive Summary." EPA/600/6-88/005. Exposure Assessment Group. Office of Health and Environmental Assessment. U.S. Environmental Protection Agency. Washington, D.C.

Hoffman, D.J., C. P. Rice, and T.J. Kubiak. 1996. "PCBs and Dioxins in Birds." In: *Environmental Contaminants in Wildlife*. Eds: W. N. Beyer, G.H. Heinz, & A.W. Redmon-Norwood. SETAC Publications. Pages 165-207.

TABLE 1
TOXIC EQUIVALENCY FACTORS FOR PCDDs AND PCDFs

Isomer	TEF
Mono-, Di-, and Tri-CDDs	0
2,3,7,8-TCDD	1.0
1,2,3,7,8-PeCDD	0.05
2,3,4,7,8-PeCDDs	0.5
1,2,3,4,7,8-HxCDD	0.1
1,2,3,6,7,8-HxCCD	0.1
1,2,3,7,8,9-HxCDDs	0.1
1,2,3,4,6,7,8-HpCDDs	0.01
OCDD	0.001
Mono, Di, and Tri-PCDFs	0
2,3,7,8-TCDF	0.1
1,2,3,7,8-PeCDF	0.05
2,3,4,7,8,-PeCDF	0.5
1,2,3,4,7,8-HxCDF	0.1
2,3,4,6,7,8-HxCDF	0.1
1,2,3,7,8,9-HxCDF	0.1
1,2,3,6,7,8-HxCDF	0.1
1,2,3,4,6,7,8-HpCDF	0.01
1,2,3,4,7,8,9-HpCDFs	0.01
OCDF	0.001

Notes:

CDD Chlorinated dibenzodioxin
EPA U.S. Environmental Protection Agency
HpCDD Heptachlorodibenzodioxin
HpCDF Heptachlorodibenzofuran
HxCDD Hexachlorodibenzodioxin
HxCDF Hexachlorodibenzofuran
PeCDD Pentachlorodibenzodioxin
PeCDF Pentachlorodibenzofuran
OCDD Octachlorodibenzodioxin
OCDF Octachlorodibenzofuran
TCDD Tetrachlorodibenzodioxin
TCDF Tetrachlorodibenzofuran
TEF Toxicity equivalency factor

Source: EPA 1994

122-S14-001

NW

Chemical	Conc. (ug/kg)	TEF	TCDD Toxic Equivalents (ug/kg)
1,2,3,7,8-PeCDD	0.0739	0.05	0.0037
1,2,3,6,7,8-HxCDD	0.0385	0.1	0.0039
1,2,3,7,8,9-HxCDD	0.024	0.1	0.0024
1,2,3,4,6,7,8-HpCDF	0.047	0.01	0.00047
1,2,3,4,6,7,8-HpCDD	0.550	0.01	0.0055
OCDD	3.372	0.001	0.0034
OCDF	0.123	0.001	0.00012
Total TCDD Toxic Equivalents (ug/kg)			0.019

SW

Chemical	Conc. (ug/kg)	TEF	TCDD Toxic Equivalents (ug/kg)
1,2,3,7,8-PeCDD	0.0839	0.05	0.0042
1,2,3,6,7,8-HxCDD	0.0515	0.1	0.0052
1,2,3,7,8,9-HxCDD	0.040	0.1	0.0040
1,2,3,4,6,7,8-HpCDF	0.037	0.01	0.00037
1,2,3,4,6,7,8-HpCDD	0.730	0.01	0.0073
OCDD	3.229	0.001	0.0032
OCDF	0.047	0.001	0.000047
Total TCDD Toxic Equivalents (ug/kg)			0.024

EW

Chemical	Conc. (ug/kg)	TEF	TCDD Toxic Equivalents (ug/kg)
1,2,3,7,8-PeCDD	0.0307	0.05	0.0015
1,2,3,7,8,9-HxCDF	0.0073	0.1	0.00073
1,2,3,4,6,7,8-HpCDD	0.037	0.01	0.00037
OCDD	0.096	0.001	0.00010
Total TCDD Toxic Equivalents (ug/kg)			0.0027

WW

Chemical	Conc. (ug/kg)	TEF	TCDD Toxic Equivalents (ug/kg)
1,2,3,7,8-PeCDD	0.0391	0.05	0.0020
1,2,3,4,6,7,8-HpCDD	0.070	0.01	0.00070
OCDD	0.296	0.001	0.00030
Total TCDD Toxic Equivalents (ug/kg)			0.0030

Bottom N

Chemical	Conc. (ug/kg)	TEF	TCDD Toxic Eequivalents (ug/kg)
1,2,3,7,8-PeCDD	0.0933	0.05	0.0047
1,2,3,4,7,8-HxCDF	0.038	0.1	0.0038
1,2,3,6,7,8-HxCDF	0.0131	0.1	0.0013
1,2,3,4,7,8-HxCDD	0.034	0.1	0.0034
1,2,3,6,7,8-HxCDD	0.077	0.1	0.0077
1,2,3,7,8,9-HxCDD	0.079	0.1	0.0079
2,3,4,6,7,8-HxCDF	0.0049	0.1	0.00049
1,2,3,4,6,7,8-HpCDF	0.097	0.01	0.00097
1,2,3,4,6,7,8-HpCDD	1.892	0.01	0.019
1,2,3,4,7,8,9-HpCDF	0.010	0.01	0.00010
OCDD	8.427	0.001	0.0084
OCDF	0.100	0.001	0.00010
Total TCDD Toxic Equivalents (ug/kg)			0.058

Bottom S

Chemical	Conc. (ug/kg)	TEF	TCDD Toxic Equivalents (ug/kg)
1,2,3,7,8-PeCDD	0.0578	0.05	0.0029
1,2,3,4,7,8-HxCDD	0.0108	0.1	0.0011
1,2,3,6,7,8-HxCDD	0.025	0.1	0.0025
1,2,3,7,8,9-HxCDD	0.025	0.1	0.0025
1,2,3,7,8,9-HxCDF	0.0070	0.1	0.00070
1,2,3,4,6,7,8-HpCDF	0.034	0.01	0.00034
1,2,3,4,6,7,8-HpCDD	0.472	0.01	0.0047
OCDD	2.646	0.001	0.0026
OCDF	0.026	0.001	0.000026
Total TCDD Toxic Equivalents (ug/kg)			0.017

Sump - Perched Water

Chemical	Conc. (ng/L)	TEF	TCDD Toxic Eequivalents (ng/L)
1,2,3,4,6,7,8-HpCDF	4.237	0.01	0.0424
1,2,3,4,6,7,8-HpCDD	48.43	0.01	0.4843
OCDD	260.9	0.001	0.2609
OCDF	3.915	0.001	0.0039
Total TCDD Toxic Equivalents (ng/L)			0.79

SITE 14 TCDD TEF SUMMARY

The data below is a summary-comparison of the Dioxin data collected from the soil and water at the Site 14 sump. For each sample, the TCDD toxicity equivalency was determined and compared to the PRG for 2,3,7,8-TCDD.

Sample ID Number	Sample Location	TCDD Toxic Equivalents	TCDD PRG - Industrial	Units
122-S14-001	Sump-NW	0.019	0.0240	ug/kg
122-S14-002	Sump-SW	0.024	0.0240	ug/kg
122-S14-003	Sump-EW	0.0027	0.0240	ug/kg
122-S14-004	Sump-WW	0.0030	0.0240	ug/kg
122-S14-005	Sump Bottom-S	0.017	0.0240	ug/kg
122-S14-006	Sump Bottom-N	0.058	0.0240	ug/kg
122-S14-007	Sump, Perched Groundwater	0.79	n/a	ng/L

n/a = no applicable PRG