SEVERN TRENT STL

Submission#: 2005-06-0717

SHN Engineers and Scientists

July 20, 2005

812 West Wabash
Eureka, CA 95501-2138

Attn.: Mike Foget

Project#: 098179.304
Project: Conoco Phillips Site#0201
Site: 1200 Railroad Ave, Eureka, CA 95501

Attached is our report for your samples received on 06/28/2005 09:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/12/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

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

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

July 18, 2005

STL LOT NUMBER: **E5G010333**
PO/CONTRACT: 2005-06-0717

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on June 29, 2005. These samples are associated with your ConocoPhillips Site #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

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

Sincerely,

Beth Riley
Project Manager

cc: Project File

E5G010333

Date Shipped: 6/28/2005

SEVERN TRENT STL

Chain of Custody

2005-06-0717 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

To:

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

Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2005-06-0717
CL PO #:

Project #: 098179.304
Project Name: Conoco Phillips Site#0201

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EXS EFF	1	6/24/2005 11:05:00AM	Air / TO-14	~~5~~ 10 Day
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE.*/				
EXS INF	2	6/24/2005 11:15:00AM	Air / TO-14	~~5~~ 10 Day
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE.*/				
CAR EFF	3	6/24/2005 11:10:00AM	Air / TO-14	~~5~~ 10 Day
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE.*/				

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1500	Signature Time	Signature Time
Printed Name: M. Villanueva Date: 6/28/05	Printed Name Date	Printed Name Date
Company: STL SF	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature Time: 62907	Signature Time	Signature Time
Printed Name Date: 6/30/	Printed Name Date	Printed Name Date
Company: 12	Company	Company

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 098179.304

ConocoPhillips Site #0201

Lot #: E5G010333

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

July 18, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5G010333

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS INF 06/24/05 11:15 002				
Benzene	78	6.6	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	4100	1600	ppb(v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5G010333

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5G010333

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HETNJ	001	EXS EFF	06/24/05	11:05
HETNR	002	EXS INF	06/24/05	11:15
HETNV	003	CAR EFF	06/24/05	11:10

NOTE(S):

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

STL SAN FRANCISCO

Client Sample ID: EXS EFF

GC/MS Volatiles

Lot-Sample #...: E5G010333-001 **Work Order #...:** HETNJ1AA **Matrix.....:** V
Date Sampled...: 06/24/05 **Date Received..:** 06/29/05
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5199376
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #...: E5G010333-002 **Work Order #...:** HETNR1AA **Matrix.....:** V
Date Sampled...: 06/24/05 **Date Received..:** 06/29/05
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5199376
Dilution Factor: 3.3
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**78**	**6.6**	**ppb(v/v)**	**2.6**
cis-1,2-Dichloroethene	ND	6.6	ppb(v/v)	2.6
trans-1,2-Dichloroethene	ND	6.6	ppb(v/v)	1.6
1,1-Dichloroethene	ND	6.6	ppb(v/v)	1.6
Methylene chloride	ND	6.6	ppb(v/v)	2.6
Tetrachloroethene	ND	6.6	ppb(v/v)	2.0
TPH (as Gasoline)	**4100**	**1600**	**ppb(v/v)**	**330**
Trichloroethene	ND	6.6	ppb(v/v)	1.6
Vinyl chloride	ND	6.6	ppb(v/v)	2.6

STL SAN FRANCISCO

Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E5G010333-003 **Work Order #...:** HETNV1AA **Matrix.....:** V
Date Sampled...: 06/24/05 **Date Received..:** 06/29/05
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5199376
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5G010333

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5199376	
002	V	EPA-21 TO-14A		5199376	
003	V	EPA-21 TO-14A		5199376	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5G010333
MB Lot-Sample #: M5G180000-376

Analysis Date..: 07/14/05
Dilution Factor: 1

Work Order #...: HFPVM1AA

Prep Date.....: 07/14/05
Prep Batch #...: 5199376

Analyst ID.....: 101605

Matrix.....: AIR

Instrument ID..: MSA

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5G010333 **Work Order #...:** HFPVM1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5G180000-376 HFPVM1AD-LCSD
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5199376
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(70 - 125)**			**EPA-21 TO-14A**
	97	**(70 - 125)**	**2.4**	**(0-20)**	**EPA-21 TO-14A**
Methylene chloride	**97**	**(75 - 120)**			**EPA-21 TO-14A**
	95	**(75 - 120)**	**2.3**	**(0-20)**	**EPA-21 TO-14A**
Trichloroethene	**110**	**(70 - 125)**			**EPA-21 TO-14A**
	109	**(70 - 125)**	**1.3**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5G010333 **Work Order #...:** HFPVM1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5G180000-376 HFPVM1AD-LCSD
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5199376
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**50.0**	**49.8**	**ppb(v/v)**	**100**		**EPA-21 TO-14A**
	50.0	**48.6**	**ppb(v/v)**	**97**	**2.4**	**EPA-21 TO-14A**
Methylene chloride	**50.0**	**48.7**	**ppb(v/v)**	**97**		**EPA-21 TO-14A**
	50.0	**47.6**	**ppb(v/v)**	**95**	**2.3**	**EPA-21 TO-14A**
Trichloroethene	**50.0**	**55.1**	**ppb(v/v)**	**110**		**EPA-21 TO-14A**
	50.0	**54.4**	**ppb(v/v)**	**109**	**1.3**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

116925

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: Olivia Perez 1230 W. Washington, Suite 212 Tempe, AZ 85281

2005-06-0717

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE 6/24/05

PAGE: 1 of 1

SAMPLING COMPANY: SHN

Valid Value ID:

CONOCOPHILLIPS SITE NUMBER: 0201

GLOBAL ID NO.:

ADDRESS: 812 W. Wabash Ave, Eureka CA 95501

SITE ADDRESS (Street and City): 1240 Railroad Ave Eureka CA 95501

CONOCOPHILLIPS SITE MANAGER:

PROJECT CONTACT (Hardcopy or PDF Report to): Mike Faget

EDF DELIVERABLE TO (EIP or Distribution):

PHONE NO.:

E-MAIL:

LAB USE ONLY:

TELEPHONE: (707)441-8855 FAX: (707)441-8877

E-MAIL:

SAMPLER NAME(S) (Print):

CONSULTANT PROJECT NUMBER: 098179.304

TURNAROUND TIME (CALENDAR DAYS): ☒ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☐

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 7 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TO-14	Benzene	Vinyl Chloride	Trichloro Ethylene	Dichloro Ethylene	Methyl Chloride	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	Exs EFF	6/24/05	1105	air	1									X	X	X	X	X	X	
	Exs INF	↓	1115	↓	1									↓	↓	↓	↓	↓	↓	
	Car EFF	↓	1110	↓	1									↓	↓	↓	↓	↓	↓	

TEMPERATURE ON RECEIPT C° 20

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Dustin Tillet	[signature]	6/28/05	09:30
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Rev 08/01 Remarks

SEVERN TRENT STL

Submission#: 2005-07-0531

SHN Engineers and Scientists

August 15, 2005

812 West Wabash
Eureka, CA 95501-2138

Attn.: Mike Foget

Project#: 098179.304
Project: Conoco Phillips #0201
Site: 1200 Railroad Ave., Eureka, CA 95501

Attached is our report for your samples received on 07/20/2005 09:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/03/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

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

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

August 11, 2005

STL LOT NUMBER: **E5G260199**
PO/CONTRACT: 2005-07-0531

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on July 21, 2005. These samples are associated with your ConocoPhillips Site #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains **000024** pages.

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

Sincerely,

Beth Riley
Project Manager

cc: Project File

ESG260199
Date Shipped: 7/20/2005

SEVERN TRENT STL

Chain of Custody

2005-07-0531 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

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

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2005-07-0531
CL PO #:

Project #: 098179.304
Project Name: 0201

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EXS EFF	1	7/15/2005 9:55:00AM	Air	
Subcontract - TO-14 (Air samples)			TO-14	5 Day
EXS INF	2	7/15/2005 10:15:00AM	Air	
Subcontract - TO-14 (Air samples)			TO-14	5 Day
CAR EFF	3	7/15/2005 10:05:00AM	Air	
Subcontract - TO-14 (Air samples)			TO-14	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1500	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 7/20/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1030	Signature: Time:	Signature: Time:
Printed Name: K Fraiter Date: 7/21/05	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

CANISTER QC CERTIFICATION

SEVERN TRENT STL

Certification Type: TO-15 ML

Date Cleaned/Batch: 062105 B

Date of QC: 062905

Data File Number: MB06295.D

Canister ID Numbers

* 12814	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: LY

Date: 06 30 05

N:\CON\DOCS\Can QC Cert (012103).doc

STL Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\MB06295.D
Lab Smp Id: BLANK Client Smp ID: 12814
Inj Date : 30-JUN-2005 10:26
Operator : LY Inst ID: gcmsb.i
Smp Info : BLANK,12814,,SCREEN BLANK
Misc Info : 1,1,500,500,3,,BLANK,TO14ALONG.sub,0,
Comment :
Method : \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\TO14A.m
Meth Date : 29-Jun-2005 20:00 target Quant Type: ISTD
Cal Date : 09-JUN-2005 11:45 Cal File: IC06097.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO14ALONG.sub
Target Version: 4.04
Processing Host: LAPC065

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
* 57 Bromochloromethane	49	8.288	8.243	(1.000)	37046	50.0000	
$ 65 1,2-Dichloroethane-d4	65	9.316	9.262	(0.921)	20827	38.6018	38.60
69 2,2,4-Trimethylpentane	57	9.523	9.541	(0.942)	6705	2.20683	2.207(a) J
* 73 1,4-Difluorobenzene	114	10.110	10.074	(1.000)	89125	50.0000	
$ 87 Toluene-d8	100	12.716	12.680	(1.258)	47761	46.3877	46.39
* 100 Chlorobenzene-d5	117	15.368	15.323	(1.000)	74500	50.0000	
$ 114 4-Bromofluorobenzene	95	17.686	17.568	(1.151)	92835	63.0494	63.05

QC Flag Legend

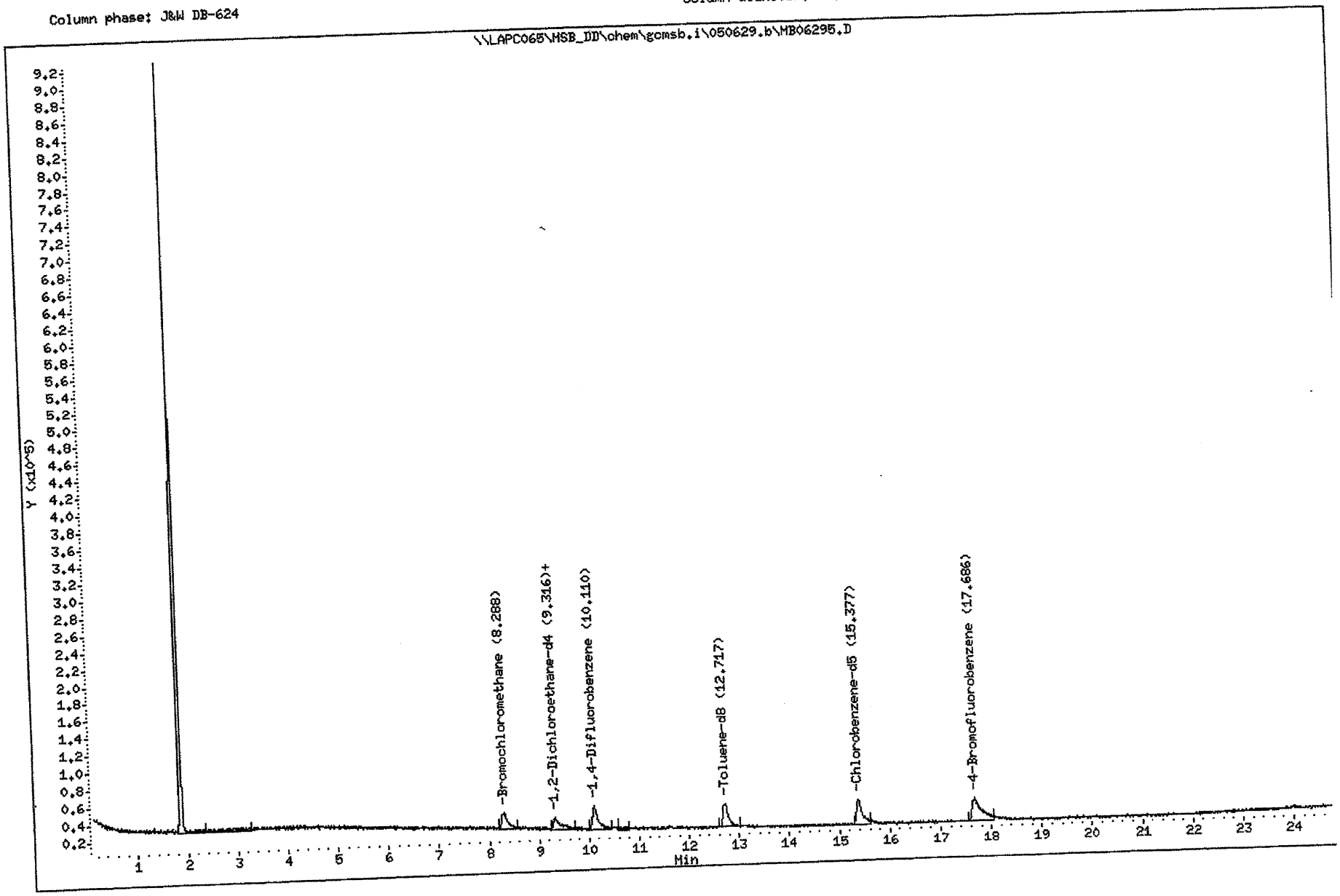
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\LAPC065\MSB_DD\chem\gomsb.i\050629.b\MB06295.D
Date : 30-JUN-2005 10:26
Client ID: 12814
Sample Info: BLANK,12814,,SCREEN BLANK

Instrument: gomsb.i

Operator: LY
Column diameter: 0.53

Column phase: J&W DB-624



E5G260199

CANISTER QC CERTIFICATION

SEVERN TRENT STL

Certification Type: TO-15 ML

Date Cleaned/Batch 062105 B

Date of QC 062905

Data File Number MB06296.D

Canister ID Numbers

* 93221	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 063005

N:\CO\DOCS\Can QC Cert (D12103).doc

STL Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\MB06296.D
Lab Smp Id: BLANK Client Smp ID: 93221
Inj Date : 30-JUN-2005 12:20
Operator : LY Inst ID: gcmsb.i
Smp Info : BLANK,93221,,SCREEN BLANK
Misc Info : 1,1,500,500,3,,BLANK,TO14ALONG.sub,0,
Comment :
Method : \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\TO14A.m
Meth Date : 29-Jun-2005 20:00 target Quant Type: ISTD
Cal Date : 09-JUN-2005 11:45 Cal File: IC06097.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO14ALONG.sub
Target Version: 4.04
Processing Host: LAPC065

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
* 57 Bromochloromethane	49	8.279	8.243	(1.000)	48189	50.0000	
$ 65 1,2-Dichloroethane-d4	65	9.316	9.262	(0.921)	26415	48.2255	48.22
* 73 1,4-Difluorobenzene	114	10.119	10.074	(1.000)	90481	50.0000	
$ 87 Toluene-d8	100	12.707	12.680	(1.256)	52561	50.2855	50.28
* 100 Chlorobenzene-d5	117	15.377	15.323	(1.000)	91197	50.0000	
$ 114 4-Bromofluorobenzene	95	17.650	17.568	(1.148)	104652	58.0621	58.06(Q)

QC Flag Legend

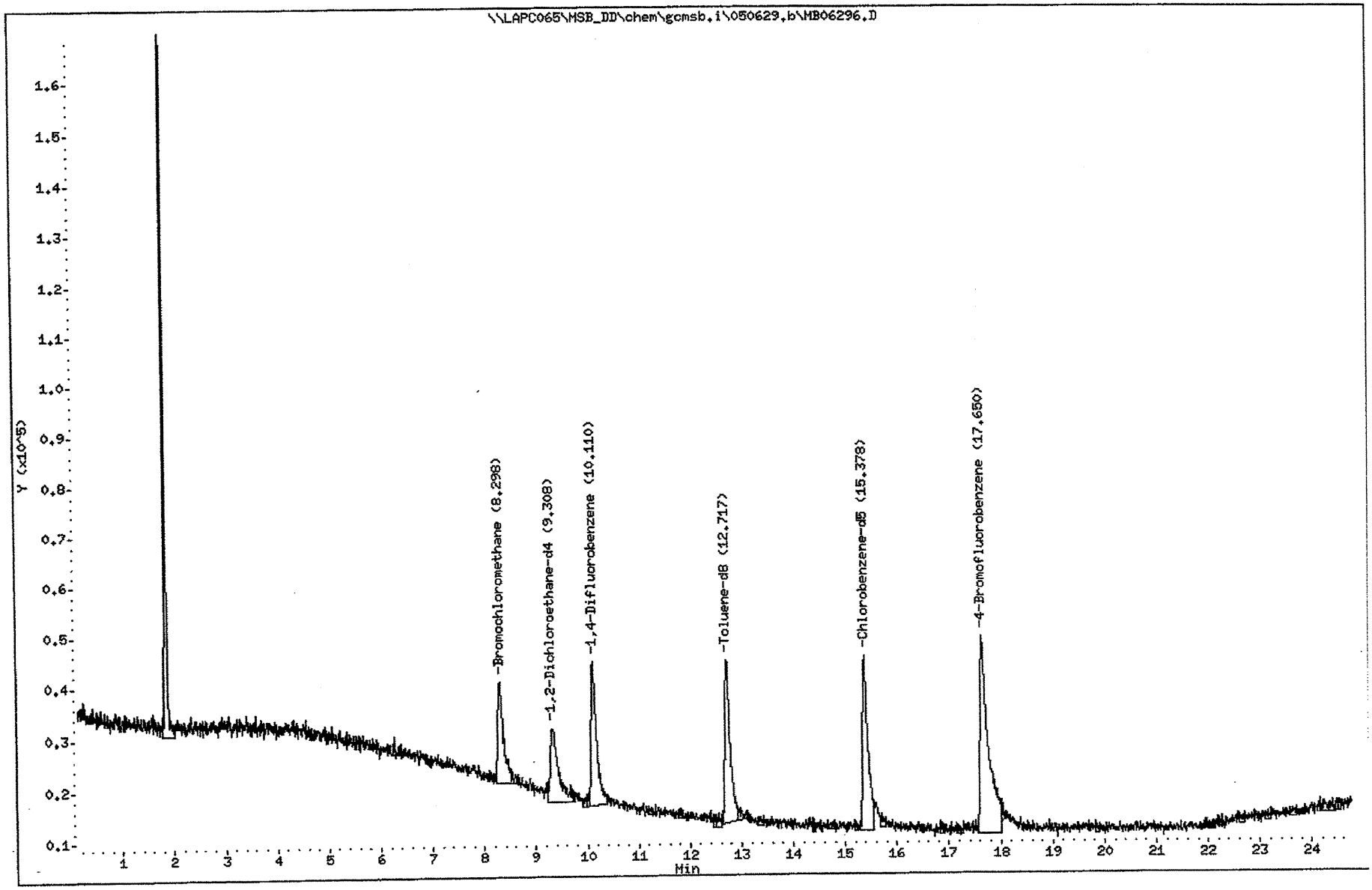
Q - Qualifier signal failed the ratio test.

Data File: \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\MB06296.D
Date : 30-JUN-2005 12:20
Client ID: 93221
Sample Info: BLANK,93221,,SCREEN BLANK

Column phase: J&W DB-624

Instrument: gcmsb.i

Operator: LY
Column diameter: 0.53



CANISTER QC CERTIFICATION

SEVERN TRENT STL

Certification Type: TO-15 ML

Date Cleaned/Batch 062105 B

Date of QC 062905

Data File Number M806294.D

Canister ID Numbers

* 0119	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Cy
Reviewed By:

062005
Date:

N:\CONDOCS\Can QC Cert (012103).doc

STL Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\MB06294.D
Lab Smp Id: BLANK Client Smp ID: 0119
Inj Date : 30-JUN-2005 09:52
Operator : LY Inst ID: gcmsb.i
Smp Info : BLANK,0119,,SCREEN BLANK
Misc Info : 1,1,500,500,3,,BLANK,TO14ALONG.sub,0,
Comment :
Method : \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\TO14A.m
Meth Date : 29-Jun-2005 20:00 target Quant Type: ISTD
Cal Date : 09-JUN-2005 11:45 Cal File: IC06097.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO14ALONG.sub
Target Version: 4.04
Processing Host: LAPC065

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
* 57 Bromochloromethane	49	8.297	8.243	(1.000)	39601	50.0000	
$ 65 1,2-Dichloroethane-d4	65	9.325	9.262	(0.922)	31944	57.3783	57.38
* 73 1,4-Difluorobenzene	114	10.119	10.074	(1.000)	91968	50.0000	
$ 87 Toluene-d8	100	12.725	12.680	(1.258)	57636	54.2488	54.25
* 100 Chlorobenzene-d5	117	15.377	15.323	(1.000)	89460	50.0000	
$ 114 4-Bromofluorobenzene	95	17.668	17.568	(1.149)	86865	49.1298	49.13

Data File: \\LAPC065\MSB_DD\chem\gcmsb.i\050629.b\MB06294.D

Page 6

Date : 30-JUN-2005 09:52

Client ID: 0119

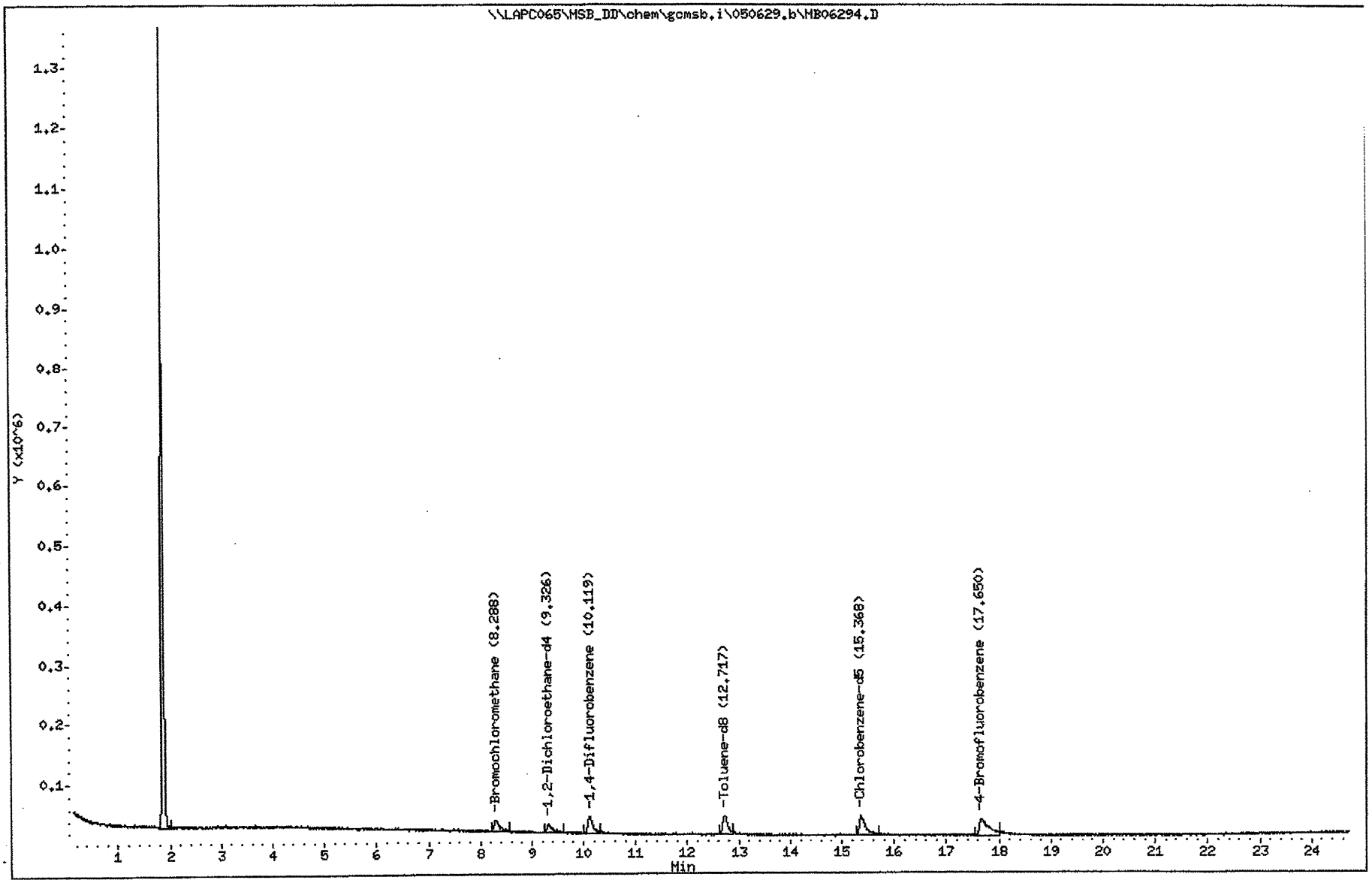
Instrument: gcmsb.i

Sample Info: BLANK,0119,,SCREEN BLANK

Operator: LY

Column phase: J&W DB-624

Column diameter: 0.53



11

E5G260199

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 098179.304

ConocoPhillips Site #0201

Lot #: E5G260199

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

August 2, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5G260199

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS INF 07/15/05 10:15 002				
Benzene	37	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	2600	500	ppb(v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5G260199

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5G260199

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HF9EV	001	EXS EFF	07/15/05	09:55
HF9E4	002	EXS INF	07/15/05	10:15
HF9E7	003	CAR EFF	07/15/05	10:05

NOTE(S):

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

STL SAN FRANCISCO

Client Sample ID: EXS EFF

GC/MS Volatiles

Lot-Sample #...: E5G260199-001 **Work Order #...:** HF9EV1AA **Matrix.....:** V
Date Sampled...: 07/15/05 **Date Received..:** 07/21/05
Prep Date.....: 07/29/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5213391
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #...: E5G260199-002 **Work Order #...:** HF9E41AA **Matrix.....:** V
Date Sampled...: 07/15/05 **Date Received..:** 07/21/05
Prep Date.....: 07/29/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5213391
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**37**	**2.0**	**ppb(v/v)**	**0.80**
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	**2600**	**500**	**ppb(v/v)**	**100**
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E5G260199-003 **Work Order #...:** HF9E71AA **Matrix.....:** V
Date Sampled...: 07/15/05 **Date Received..:** 07/21/05
Prep Date.....: 07/29/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5213391
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5G260199

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5213391	
002	V	EPA-21 TO-14A		5213391	
003	V	EPA-21 TO-14A		5213391	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5G260199
MB Lot-Sample #: M5H010000-391
Analysis Date..: 07/29/05
Dilution Factor: 1

Work Order #...: HGN211AA
Prep Date.....: 07/29/05
Prep Batch #...: 5213391
Analyst ID.....: 101605

Matrix.....: AIR
Instrument ID..: MSB

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5G260199 **Work Order #...:** HGN211AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5H010000-391 HGN211AD-LCSD
Prep Date.....: 07/29/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5213391
Dilution Factor: 1 **Instrument ID..:** MSB
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**93**	**(70 - 125)**			**EPA-21 TO-14A**
	94	**(70 - 125)**	**1.7**	**(0-20)**	**EPA-21 TO-14A**
Methylene chloride	**96**	**(75 - 120)**			**EPA-21 TO-14A**
	96	**(75 - 120)**	**0.15**	**(0-20)**	**EPA-21 TO-14A**
Trichloroethene	**101**	**(70 - 125)**			**EPA-21 TO-14A**
	103	**(70 - 125)**	**2.0**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5G260199 **Work Order #...:** HGN211AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5H010000-391 HGN211AD-LCSD
Prep Date.....: 07/29/05 **Analysis Date..:** 07/29/05
Prep Batch #...: 5213391
Dilution Factor: 1 **Instrument ID..:** MSB
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**50.5**	**46.8**	**ppb(v/v)**	**93**		**EPA-21 TO-14A**
	50.5	**47.6**	**ppb(v/v)**	**94**	**1.7**	**EPA-21 TO-14A**
Methylene chloride	**54.5**	**52.2**	**ppb(v/v)**	**96**		**EPA-21 TO-14A**
	54.5	**52.3**	**ppb(v/v)**	**96**	**0.15**	**EPA-21 TO-14A**
Trichloroethene	**49.5**	**50.1**	**ppb(v/v)**	**101**		**EPA-21 TO-14A**
	49.5	**51.1**	**ppb(v/v)**	**103**	**2.0**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

ConocoPhillips Chain Of Custody Record

116147

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: Olivia Perez 1230 W. Washington, Suite 212 Tempe, AZ 85281

2005-07-0531

ConocoPhillips Work Order Number:
ConocoPhillips Cost Object:

DATE: 7/15/05
PAGE: 1 of 1

SAMPLING COMPANY: SHN
Valid Matrix ID:
CONOCOPHILLIPS SITE NUMBER: 0201
GLOBAL ID NO.:
ADDRESS: 812 W. Wabash Ave, Eureka CA 95501
SITE ADDRESS (Street and City): 1200 Railroad Ave Eureka CA 95501
CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Hardcopy or PDF Report to): Mike Fogel
DELIVERABLE (ftp or Designee):
PHONE NO.:
E-MAIL:
LAB USE ONLY:
TELEPHONE: (707)441-8855
FAX: (707)441-8877
E-MAIL:
SAMPLER NAME(S) (Print):
CONSULTANT PROJECT NUMBER: 098179.304

TURNAROUND TIME (CALENDAR DAYS): ☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:
CHECK BOX IF EDD IS NEEDED ☐

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHg Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / Oxygenates	8260B - TPHg / BTEX / Oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TO-14	Benzene	Vinyl Chloride	Trichloro Ethylene	Dichloro Ethylene	Methyl Chloride	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	Exs EFF	7/15/05	0955	air	1									X	X	X	X	X	X	
	Exs INF	↓	1015	↓	1									↓	↓	↓	↓	↓	↓	
	Car EFF	↓	1005	↓	1									↓	↓	↓	↓	↓	↓	

TEMPERATURE ON RECEIPT C°: 23

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Dirk Schlotz	Joan Mullen	7-20-05	0930
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Original Revision

SEVERN TRENT STL

Submission#: 2005-08-0850

SHN Engineers and Scientists

September 21, 2005

812 West Wabash
Eureka, CA 95501-2138

Attn.: Mike Foget

Project#: 098179.304
Project: 0201
Site: 1200 Railroad Ave., Eureka, CA 95501

Attached is our report for your samples received on 08/30/2005 09:55
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/14/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

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

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

September 13, 2005

STL LOT NUMBER: **E5H310382**

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on August 31, 2005. These samples are associated with your ConocoPhillips Site # 0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

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

Sincerely,

Beth Riley
Project Manager

cc: Project File

ESH310382

Date Shipped: 8/30/2005

SEVERN TRENT STL

Chain of Custody

2005-08-0850 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

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

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2005-08-0850
CL PO #:

Project #: 098179.304
Project Name: 0201

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EXS EFF	1	8/26/2005 10:15:00AM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINLY CHLORIDE, TRICLOR ETHYLENE, DICLHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
EXS INF	2	8/26/2005 10:25:00AM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINLY CHLORIDE, TRICLOR ETHYLENE, DICLHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
CAR EFF	3	8/26/2005 10:30:00AM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINLY CHLORIDE, TRICLOR ETHYLENE, DICLHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day

Due: 9-12-05

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1500	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 8/30/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1000	Signature: Time:	Signature: Time:
Printed Name: K FRESIAG Date: 08/31/05	Printed Name: Date:	Printed Name: Date:
Company: STL	Company:	Company:

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. SHN - COP #0201

2005-08-0850

Lot #: E5H310382

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

September 9, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5H310382

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS EFF 08/26/05 10:15 001				
TPH (as Gasoline)	550	500	ppb(v/v)	EPA-21 TO-14A
EXS INF 08/26/05 10:25 002				
Benzene	340	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	28000	500	ppb(v/v)	EPA-21 TO-14A
CAR EFF 08/26/05 10:30 003				
Tetrachloroethene	4.7	2.0	ppb(v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5H310382

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5H310382

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HJNKD	001	EXS EFF	08/26/05	10:15
HJNKF	002	EXS INF	08/26/05	10:25
HJNKG	003	CAR EFF	08/26/05	10:30

NOTE(S):

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

STL SAN FRANCISCO

Client Sample ID: EXS EFF

GC/MS Volatiles

Lot-Sample #...: E5H310382-001 **Work Order #...:** HJNKD1AA **Matrix.....:** V
Date Sampled...: 08/26/05 **Date Received..:** 08/31/05
Prep Date.....: 09/07/05 **Analysis Date..:** 09/07/05
Prep Batch #...: 5251247
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	**550**	**500**	**ppb(v/v)**	**100**
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #...: E5H310382-002 **Work Order #...:** HJNKF1AA **Matrix.....:** V
Date Sampled...: 08/26/05 **Date Received..:** 08/31/05
Prep Date.....: 09/07/05 **Analysis Date..:** 09/07/05
Prep Batch #...: 5251247
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**340**	**2.0**	**ppb(v/v)**	**0.80**
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	**28000**	**500**	**ppb(v/v)**	**100**
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E5H310382-003 **Work Order #...:** HJNKG1AA **Matrix.....:** V
Date Sampled...: 08/26/05 **Date Received..:** 08/31/05
Prep Date.....: 09/07/05 **Analysis Date..:** 09/07/05
Prep Batch #...: 5251247
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	**4.7**	**2.0**	**ppb(v/v)**	**0.60**
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5H310382

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5251247	
002	V	EPA-21 TO-14A		5251247	
003	V	EPA-21 TO-14A		5251247	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5H310382
MB Lot-Sample #: M5I080000-247

Analysis Date..: 09/07/05
Dilution Factor: 1

Work Order #...: HJ7Q71AA

Prep Date.....: 09/07/05
Prep Batch #...: 5251247

Analyst ID.....: 101605

Matrix.....: AIR

Instrument ID..: MSA

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5H310382 Work Order #...: HJ7Q71AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5I080000-247 HJ7Q71AD-LCSD
Prep Date.....: 09/07/05 Analysis Date..: 09/07/05
Prep Batch #...: 5251247
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**105**	**(70 - 125)**			**EPA-21 TO-14A**
	105	**(70 - 125)**	**0.0**	**(0-20)**	**EPA-21 TO-14A**
Methylene chloride	**106**	**(75 - 120)**			**EPA-21 TO-14A**
	106	**(75 - 120)**	**0.62**	**(0-20)**	**EPA-21 TO-14A**
Trichloroethene	**105**	**(70 - 125)**			**EPA-21 TO-14A**
	103	**(70 - 125)**	**1.3**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5H310382 **Work Order #...:** HJ7Q71AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5I080000-247 HJ7Q71AD-LCSD
Prep Date.....: 09/07/05 **Analysis Date..:** 09/07/05
Prep Batch #...: 5251247
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**50.5**	**53.0**	**ppb(v/v)**	**105**		**EPA-21 TO-14A**
	50.5	**53.0**	**ppb(v/v)**	**105**	**0.0**	**EPA-21 TO-14A**
Methylene chloride	**54.5**	**58.0**	**ppb(v/v)**	**106**		**EPA-21 TO-14A**
	54.5	**57.6**	**ppb(v/v)**	**106**	**0.62**	**EPA-21 TO-14A**
Trichloroethene	**49.5**	**51.9**	**ppb(v/v)**	**105**		**EPA-21 TO-14A**
	49.5	**51.2**	**ppb(v/v)**	**103**	**1.3**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

97020

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1093 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Olivia Perez
1758 W. Washington, Suite 212
Orem, UT 84058

2005-08-0850

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 8/26/05

PAGE: ____ of ____

SAMPLING COMPANY: SHN

Value Value ID

CONOCOPHILLIPS SITE NUMBER: 0201

GLOBAL ID NO.:

ADDRESS: 812 W. Wabash Ave. Eureka CA 95501

SITE ADDRESS (Street and City): 1200 Railroad Ave Eureka CA 95501

CONOCOPHILLIPS SITE MANAGER:

PROJECT CONTACT (Hardcopy or PDF Report to): Mike Foget

EDF DELIVERABLE TO (RP or Designee):

PHONE NO.:

E-MAIL:

LAB USE ONLY:

TELEPHONE: (707)441-8855 FAX: (707)441-3877

E-MAIL:

SAMPLER NAME(S) (Print):

CONSULTANT PROJECT NUMBER: 098179.304

TURNAROUND TIME (CALENDAR DAYS): [X] 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:

CHECK BOX IF EDD IS NEEDED ☐

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TO-14	Benzene	Vinyl Chloride	Trichloro Ethylene	Dichloro Ethylene	Methyl Chloride	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	Exs EFF	8/26/05	1015	air	1									X	X	X	X	X	X	
	Exs INF	↓	1025	↓	1									↓	↓	↓	↓	↓	↓	
	Car EFF	↓	1030	↓	1									↓	↓	↓	↓	↓	↓	

TEMPERATURE ON RECEIPT C°: 23

No Vac. gage was sent

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Dusti Silbert	Joan Hulburn STL SF	8-30-05	0955
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

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SEVERN TRENT STL

Submission#: 2005-09-0486

SHN Engineers and Scientists

October 25, 2005

812 West Wabash
Eureka, CA 95501-2138

Attn.: Mike Foget

Project#: 098179.304
Project: Conoco Phillips# 0201
Site: 1200 Railroad Ave. Eureka, CA 95501

Attached is our report for your samples received on 09/20/2005 09:15
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/04/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

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

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

October 20, 2005

STL LOT NUMBER: **E5I260120**
PO/CONTRACT: 2005-09-0486

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on September 21, 2005. These samples are associated with your ConocoPhillips Site #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000021 pages.

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

Sincerely,

Beth Riley
Project Manager

cc: Project File

ESI260120

Date Shipped: 9/20/2005

SEVERN TRENT STL

Chain of Custody

2005-09-0486 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

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

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2005-09-0486
CL PO #:

Project #: 098179.304
Project Name: Conoco Phillips# 0201

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EXS EFF	1	9/16/2005 2:30:00PM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHL ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
EXS INF	2	9/16/2005 3:05:00PM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHL ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
CAR EFF	3	9/16/2005 2:50:00PM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHL ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1530	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 9/20/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1030	Signature: Time:	Signature: Time:
Printed Name: K FREESTAS Date: 9/21/05	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 098179.304

ConocoPhillips Site #0201

Lot #: E5I260120

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 18, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5I260120

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS INF 09/16/05 15:05 002				
Benzene	400	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	23000	500	ppb(v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5I260120

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5I260120

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HLDW0	001	EXS EFF	09/16/05	14:30
HLDW1	002	EXS INF	09/16/05	15:05
HLDW3	003	CAR EFF	09/16/05	14:50

NOTE(S):

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

STL SAN FRANCISCO

Client Sample ID: EXS EFF

GC/MS Volatiles

Lot-Sample #...: E5I260120-001 **Work Order #...:** HLDW01AA **Matrix.....:** V
Date Sampled...: 09/16/05 **Date Received..:** 09/21/05
Prep Date.....: 10/07/05 **Analysis Date..:** 10/07/05
Prep Batch #...: 5291239
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #...: E5I260120-002 **Work Order #...:** HLDW11AA **Matrix.....:** V
Date Sampled...: 09/16/05 **Date Received..:** 09/21/05
Prep Date.....: 10/12/05 **Analysis Date..:** 10/12/05
Prep Batch #...: 5291240
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**400**	**2.0**	**ppb(v/v)**	**0.80**
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	**23000**	**500**	**ppb(v/v)**	**100**
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E5I260120-003 **Work Order #...:** HLDW31AA **Matrix.....:** V
Date Sampled...: 09/16/05 **Date Received..:** 09/21/05
Prep Date.....: 10/06/05 **Analysis Date..:** 10/06/05
Prep Batch #...: 5291241
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5I260120

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5291239	
002	V	EPA-21 TO-14A		5291240	
003	V	EPA-21 TO-14A		5291241	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 **Work Order #...:** HM0KW1AA **Matrix.....:** AIR
MB Lot-Sample #: M5J180000-239

Prep Date.....: 10/07/05 **Instrument ID..:** MSA

Analysis Date..: 10/07/05 **Prep Batch #...:** 5291239
Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5I260120
MB Lot-Sample #: M5J180000-240
Analysis Date..: 10/12/05
Dilution Factor: 1

Work Order #...: HM0K11AA
Prep Date.....: 10/12/05
Prep Batch #...: 5291240
Analyst ID.....: 101605

Matrix.....: AIR
Instrument ID..: MSA

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5I260120
MB Lot-Sample #: M5J180000-241

Analysis Date..: 10/06/05
Dilution Factor: 1

Work Order #...: HM0K51AA

Prep Date.....: 10/06/05
Prep Batch #...: 5291241

Analyst ID.....: 101605

Matrix.....: AIR

Instrument ID..: MSA

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 Work Order #...: HM0KW1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J180000-239 HM0KW1AD-LCSD
Prep Date.....: 10/07/05 Analysis Date..: 10/07/05
Prep Batch #...: 5291239
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	116	(70 - 125)			EPA-21 TO-14A
	117	(70 - 125)	0.40	(0-20)	EPA-21 TO-14A
Methylene chloride	104	(75 - 120)			EPA-21 TO-14A
	106	(75 - 120)	2.0	(0-20)	EPA-21 TO-14A
Trichloroethene	110	(70 - 125)			EPA-21 TO-14A
	109	(70 - 125)	0.92	(0-20)	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 Work Order #...: HM0KW1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J180000-239 HM0KW1AD-LCSD
Prep Date.....: 10/07/05 Analysis Date..: 10/07/05
Prep Batch #...: 5291239
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	58.6	ppb(v/v)	116		EPA-21 TO-14A
	50.5	58.9	ppb(v/v)	117	0.40	EPA-21 TO-14A
Methylene chloride	54.5	56.7	ppb(v/v)	104		EPA-21 TO-14A
	54.5	57.8	ppb(v/v)	106	2.0	EPA-21 TO-14A
Trichloroethene	49.5	54.4	ppb(v/v)	110		EPA-21 TO-14A
	49.5	53.9	ppb(v/v)	109	0.92	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 Work Order #...: HM0K11AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J180000-240 HM0K11AD-LCSD
Prep Date.....: 10/12/05 Analysis Date..: 10/12/05
Prep Batch #...: 5291240
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	115	(70 - 125)			EPA-21 TO-14A
	116	(70 - 125)	0.36	(0-20)	EPA-21 TO-14A
Methylene chloride	104	(75 - 120)			EPA-21 TO-14A
	104	(75 - 120)	0.66	(0-20)	EPA-21 TO-14A
Trichloroethene	109	(70 - 125)			EPA-21 TO-14A
	107	(70 - 125)	2.0	(0-20)	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 Work Order #...: HM0K11AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J180000-240 HM0K11AD-LCSD
Prep Date.....: 10/12/05 Analysis Date..: 10/12/05
Prep Batch #...: 5291240
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	58.2	ppb(v/v)	115		EPA-21 TO-14A
	50.5	58.4	ppb(v/v)	116	0.36	EPA-21 TO-14A
Methylene chloride	54.5	57.0	ppb(v/v)	104		EPA-21 TO-14A
	54.5	56.6	ppb(v/v)	104	0.66	EPA-21 TO-14A
Trichloroethene	49.5	54.0	ppb(v/v)	109		EPA-21 TO-14A
	49.5	52.9	ppb(v/v)	107	2.0	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 Work Order #...: HM0K51AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J180000-241 HM0K51AD-LCSD
Prep Date.....: 10/06/05 Analysis Date..: 10/06/05
Prep Batch #...: 5291241
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	110	(70 - 125)			EPA-21 TO-14A
	106	(70 - 125)	3.4	(0-20)	EPA-21 TO-14A
Methylene chloride	99	(75 - 120)			EPA-21 TO-14A
	96	(75 - 120)	2.9	(0-20)	EPA-21 TO-14A
Trichloroethene	102	(70 - 125)			EPA-21 TO-14A
	100	(70 - 125)	2.6	(0-20)	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5I260120 Work Order #...: HM0K51AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J180000-241 HM0K51AD-LCSD
Prep Date.....: 10/06/05 Analysis Date..: 10/06/05
Prep Batch #...: 5291241
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	55.6	ppb(v/v)	110		EPA-21 TO-14A
	50.5	53.7	ppb(v/v)	106	3.4	EPA-21 TO-14A
Methylene chloride	54.5	53.7	ppb(v/v)	99		EPA-21 TO-14A
	54.5	52.2	ppb(v/v)	96	2.9	EPA-21 TO-14A
Trichloroethene	49.5	50.7	ppb(v/v)	102		EPA-21 TO-14A
	49.5	49.4	ppb(v/v)	100	2.6	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

ConocoPhillips Chain Of Custody Record

99693

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: 2005-09-0486

CONOCOPHILLIPS
Attn: Olivia Perez
1230 W. Washington, Suite 212
Tempe, AZ 85281

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 9/16/05

PAGE: 1 of 1

SAMPLING COMPANY: SHN

Valid Value ID:

CONOCOPHILLIPS SITE NUMBER: 0201

GLOBAL ID NO.:

ADDRESS: 812 W. Wabash Ave, Eureka CA 95501

SITE ADDRESS (Street and City): 1200 Railroad Ave Eureka CA 95501

CONOCOPHILLIPS SITE MANAGER:

PROJECT CONTACT (Hardcopy or PDF Report to): Mike Foget

EDF DELIVERABLE TO (RP or Designee):

PHONE NO.:

E-MAIL:

LAB USE ONLY

TELEPHONE: (707)441-8855

FAX: (707)441-8877

E-MAIL:

SAMPLER NAME(S) (Print):

CONSULTANT PROJECT NUMBER: 098179.304

TURNAROUND TIME (CALENDAR DAYS): ☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:

CHECK BOX IF EDD IS NEEDED ☐

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oyxgenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TO-14	Benzene	Vinyl Chloride	Trichloro Ethylene	Dichloro Ethylene	Methyl Chloride							TEMPERATURE ON RECEIPT C°
	Exs EFF	9/16/05	1430	air	1									X	X	X	X	X	X							20
	Exs INF	↓	1505	↓	1									↓	↓	↓	↓	↓	↓							
	Car EFF	↓	1450	↓	1									↓	↓	↓	↓	↓	↓							

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Joan Mullen	9-20-05	0915
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

9/19/03 Revision

SEVERN TRENT STL

Submission#: 2005-10-0373

SHN Engineers and Scientists

November 03, 2005

812 West Wabash
Eureka, CA 95501-2138

Attn.: Mike Foget

Project#: 098179.304
Project: 0201
Site: 1200 Railroad Ave., Eureka, CA 95501

Attached is our report for your samples received on 10/18/2005 11:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/02/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

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

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

October 28, 2005

STL LOT NUMBER: **E5J210358**
PO/CONTRACT: 2005-10-0373

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on October 19, 2005. These samples are associated with your ConocoPhillips Site #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000018 pages.

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

Sincerely,

Beth Riley
Project Manager

cc: Project File

ES J210358

Date Shipped: 10/18/2005

SEVERN TRENT STL

Chain of Custody

2005-10-0373 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

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

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2005-10-0373
CL PO #:

Project #: 098179.304
Project Name: 0201

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EXS EFF	1	10/14/2005 10:00:00AM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DROCHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
EXS INF	2	10/14/2005 10:20:00AM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DROCHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
CAR EFF	3	10/14/2005 10:10:00AM	Air	
Subcontract - TO-14 (Air samples) /*BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DROCHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Lorin Mullen Time: 1415	Signature: Time:	Signature: Time:
Printed Name: Lorin Mullen Date: 10-18-05	Printed Name: Date:	Printed Name: Date:
Company: STC SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 10/19/05	Signature: Time:	Signature: Time:
Printed Name: K FREITAG Date: 1030	Printed Name: Date:	Printed Name: Date:
Company: STL	Company:	Company:

CANISTER QC CERTIFICATION

SEVERN TRENT STL

Certification Type: TO-15 SCAN

Date Cleaned/Batch: 092805C

Date of QC: 09-30-05

Data File Number: MB09301 (MSD)

Canister ID Numbers

* 2904 ✓	2662
1250A	2227
2595	1252 ✓
2767	2921
3329	3297
3206	3421 ✓

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 9-30-05

N:\CONDOCS\Can QC Cert (012103).doc

STL Los Angeles - Air Lab

AIR LOW LEVEL TO-14A/TO-15

Data file : \\LAPC064\msd_c\chem\gcmsd.i\050930.B\MB09301.D
Lab Smp Id: BLANK Client Smp ID: 2904
Inj Date : 30-SEP-2005 09:30
Operator : DLK Inst ID: gcmsd.i
Smp Info : BLANK,2904,,METHOD BLANK
Misc Info : 1,1,250,250,3,,BLANK,BLANK.SUB,0,
Comment :
Method : \\LAPC064\msd_c\CHEM\GCMSD.I\050930.B\LOWTO14A.m
Meth Date : 30-Sep-2005 10:10 dkammerer Quant Type: ISTD
Cal Date : 10-SEP-2005 18:00 Cal File: IC09105.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: BLANK.SUB
Target Version: 4.14
Processing Host: LAPC064

Concentration Formula:
Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	250.000	CalVol
SmpVol	250.000	SmpVol
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
* 58 Bromochloromethane	49	10.956	10.953	(1.000)	68519	4.00000	
$ 64 1,2-Dichloroethane-d4	65	11.801	11.798	(0.949)	82203	4.71160	4.712
* 70 1,4-Difluorobenzene	114	12.430	12.430	(1.000)	166728	4.00000	
$ 86 Toluene-d8	98	14.619	14.622	(1.176)	160607	4.14776	4.148
* 97 Chlorobenzene-d5	117	16.641	16.642	(1.000)	166783	4.00000	
$ 109 4-Bromofluorobenzene	95	18.001	17.998	(1.082)	105910	3.88156	3.882

Data File: \\LAPC064\msd_c\chem\gcmsd.i\050930.B\MB09301.D

Date : 30-SEP-2005 09:30

Client ID: 2904

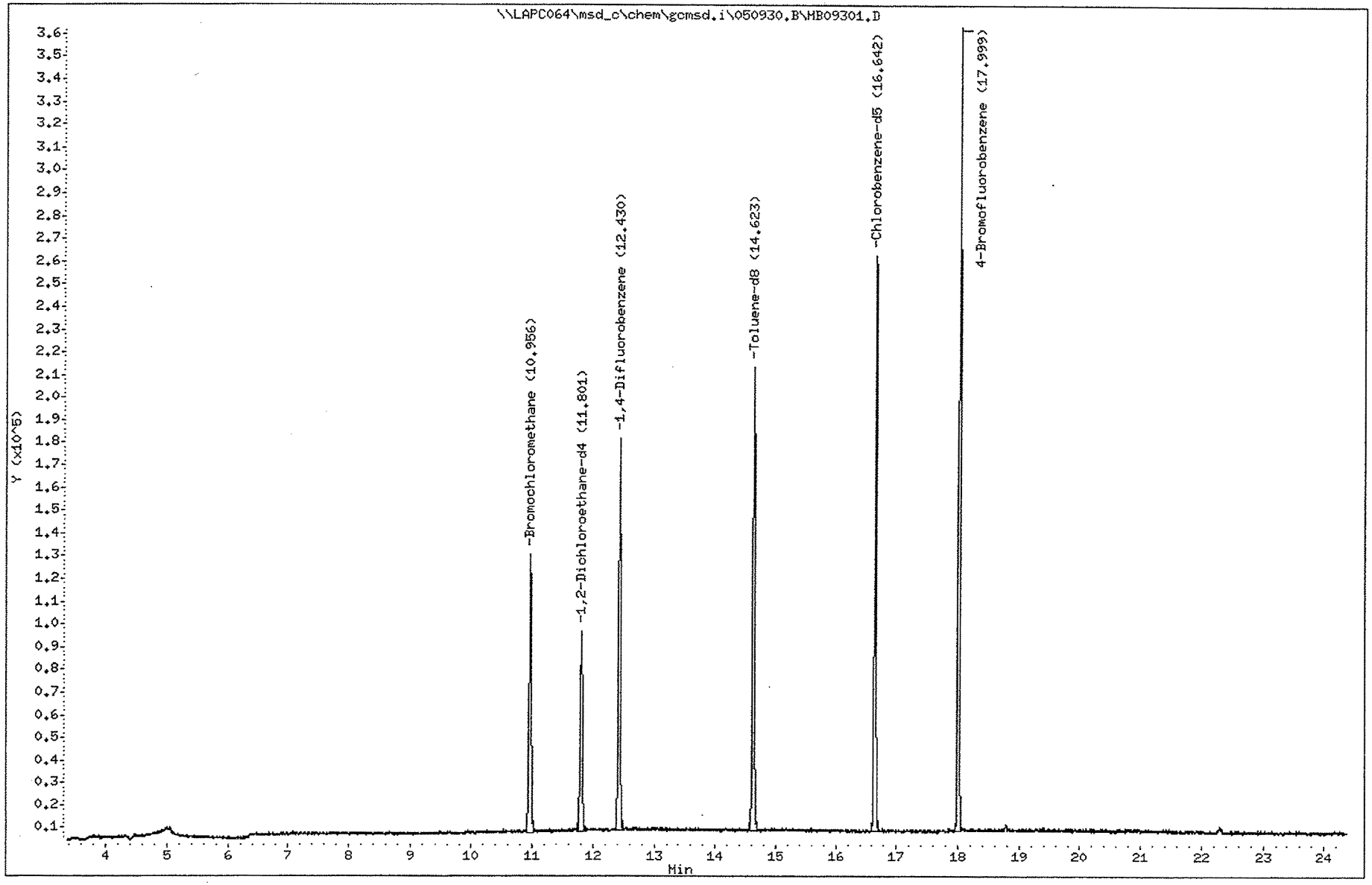
Sample Info: BLANK,2904,,METHOD BLANK

Column phase: J&W DB-624

Instrument: gcmsd.i

Operator: DLK

Column diameter: 0.53



SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 098179.304

ConocoPhillips Site #0201

Lot #: E5J210358

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

October 28, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5J210358

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS INF 10/14/05 10:20 002				
Benzene	670	6.8	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	59000	1700	ppb(v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5J210358

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5J210358

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HNCXA	001	EXS EFF	10/14/05	10:00
HNCXJ	002	EXS INF	10/14/05	10:20
HNCXQ	003	CAR EFF	10/14/05	10:10

NOTE(S):

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

STL SAN FRANCISCO

Client Sample ID: EXS EFF

GC/MS Volatiles

Lot-Sample #...: E5J210358-001 **Work Order #...:** HNCXA1AA **Matrix.....:** V
Date Sampled...: 10/14/05 **Date Received..:** 10/19/05
Prep Date.....: 10/27/05 **Analysis Date..:** 10/27/05
Prep Batch #...: 5301427
Dilution Factor: 1
Analyst ID.....: 117751 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #...:	E5J210358-002	**Work Order #...:**	HNCXJ1AA	**Matrix.....:**	V
Date Sampled...:	10/14/05	**Date Received..:**	10/19/05		
Prep Date.....:	10/27/05	**Analysis Date..:**	10/27/05		
Prep Batch #...:	5301427				
Dilution Factor:	3.38				
Analyst ID.....:	117751	**Instrument ID..:**	MSA		
		Method.....:	EPA-21 TO-14A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**670**	**6.8**	**ppb(v/v)**	**2.7**
cis-1,2-Dichloroethene	ND	6.8	ppb(v/v)	2.7
trans-1,2-Dichloroethene	ND	6.8	ppb(v/v)	1.7
1,1-Dichloroethene	ND	6.8	ppb(v/v)	1.7
Methylene chloride	ND	6.8	ppb(v/v)	2.7
Tetrachloroethene	ND	6.8	ppb(v/v)	2.0
TPH (as Gasoline)	**59000**	**1700**	**ppb(v/v)**	**340**
Trichloroethene	ND	6.8	ppb(v/v)	1.7
Vinyl chloride	ND	6.8	ppb(v/v)	2.7

STL SAN FRANCISCO

Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E5J210358-003 **Work Order #...:** HNCXQ1AA **Matrix.....:** V
Date Sampled...: 10/14/05 **Date Received..:** 10/19/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5301427
Dilution Factor: 1
Analyst ID.....: 117751 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5J210358

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5301427	
002	V	EPA-21 TO-14A		5301427	
003	V	EPA-21 TO-14A		5301427	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J210358
MB Lot-Sample #: M5J280000-427

Analysis Date..: 10/27/05
Dilution Factor: 1

Work Order #...: HNWAH1AA

Prep Date.....: 10/27/05
Prep Batch #...: 5301427

Analyst ID.....: 117751

Matrix.....: AIR

Instrument ID..: MSA

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5J210358 Work Order #...: HNWAH1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J280000-427 HNWAH1AD-LCSD
Prep Date.....: 10/27/05 Analysis Date..: 10/27/05
Prep Batch #...: 5301427
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	105	(70 - 125)			EPA-21 TO-14A
	106	(70 - 125)	1.0	(0-20)	EPA-21 TO-14A
Methylene chloride	88	(75 - 120)			EPA-21 TO-14A
	90	(75 - 120)	2.0	(0-20)	EPA-21 TO-14A
Trichloroethene	102	(70 - 125)			EPA-21 TO-14A
	101	(70 - 125)	0.79	(0-20)	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J210358 Work Order #...: HNWAH1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5J280000-427 HNWAH1AD-LCSD
Prep Date.....: 10/27/05 Analysis Date..: 10/27/05
Prep Batch #...: 5301427
Dilution Factor: 1 Instrument ID..: MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	52.4	ppb(v/v)	105		EPA-21 TO-14A
	50.0	53.0	ppb(v/v)	106	1.0	EPA-21 TO-14A
Methylene chloride	50.0	44.2	ppb(v/v)	88		EPA-21 TO-14A
	50.0	45.1	ppb(v/v)	90	2.0	EPA-21 TO-14A
Trichloroethene	50.0	50.8	ppb(v/v)	102		EPA-21 TO-14A
	50.0	50.4	ppb(v/v)	101	0.79	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

98401

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: [illegible] 1230 W. Washington, Suite 212 Tempe, AZ [illegible]

2005-10-0373

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 10/14/05

PAGE: 1 of 1

SAMPLING COMPANY: SHN

Valid Value ID:

CONOCOPHILLIPS SITE NUMBER: 0201

GLOBAL ID NO.:

ADDRESS: 812 W. Wabash Ave, Eureka CA 95501

SITE ADDRESS (Street and City): 1200 Railroad Ave Eureka CA 95501

CONOCOPHILLIPS SITE MANAGER:

PROJECT CONTACT (Hardcopy or PDF Report to): Mike Faget

TELEPHONE: (707)441-8855

FAX: (707)441-8877

E-MAIL:

EDF DELIVERABLE TO (ITP or Designee):

PHONE NO.:

E-MAIL:

LAB USE ONLY

SAMPLER NAME(S) (Print):

CONSULTANT PROJECT NUMBER: 098179.304

TURNAROUND TIME (CALENDAR DAYS): ☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:

CHECK BOX IF EDD IS NEEDED ☐

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TO-14	Benzene	Vinyl Chloride	Trichloro Ethylene	Dichloro Ethylene	Methyl Chloride							TEMPERATURE ON RECEIPT C°
	Exs EFF	10/14/05	1000	air	1									X	X	X	X	X	X							19
	Exs INF	↓	1020	↓	1									↓	↓	↓	↓	↓	↓							
	Car EFF		1010		1																					

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by (Signature)	Received by (Signature)	Date	Time
Dustin Silbert	Joan Mullen	10-18-05	1100
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

9/19/03 Revision

ANALYTICAL REPORT

Job Number: 720-479-1

Job Description: Conoco Phillips #0201, Eureka

For:

SHN Consulting Engineering & Geologiests
812 West Wabash
Eureka, CA 95501

Attention: Mr. Mike Foget

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
12/09/2005

METHOD SUMMARY

Client: SHN Consulting Engineering & Geologiests

Job Number: 720-479-1

Description	Lab Location	Method	Preparation Method
Matrix: Air - Summa			
TO14 (LA)	STL-SF	EPA	

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SAMPLE SUMMARY

Client: SHN Consulting Engineering & Geologiests

Job Number: 720-479-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-479-1	EXS EFF	Air - Summa	11/11/2005 1005	11/15/2005 0945
720-479-2	EXS INF	Air - Summa	11/11/2005 1020	11/15/2005 0945
720-479-3	CAR EFF	Air - Summa	11/11/2005 1015	11/15/2005 0945

Client Sample ID:

Lab Sample ID:
Client Matrix: % Moisture:

Date Sampled:
Date Received:

Method:
Preparation: N/A
Dilution:
Date Analyzed:
Date Prepared: N/A

Instrument ID:
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:
Injection Volume:
Column ID:

Analyte		Qualifier	
Surrogate	%Rec		Acceptance Limits

Tentatively Identified Compounds **Number TIC's Found:**

Cas Number	Analyte	RT	Qualifier

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Qualifier

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch

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

ConocoPhillips Chain Of Custody Record

114550

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS [illegible]ez 230 W[illegible]ngton, Suite 212 [illegible]empe AZ 8[illegible]281

720-479

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 11/11/05

PAGE: 1 of 1

SAMPLING COMPANY: SHN

Valid Value ID:

CONOCOPHILLIPS SITE NUMBER: 0201

GLOBAL ID NO.:

ADDRESS: 812 W. Wabash Ave, Eureka CA 95501

SITE ADDRESS (Street and City): 1200 Railroad Ave Eureka CA 95501

CONOCOPHILLIPS SITE MANAGER:

PROJECT CONTACT (Hardcopy or PDF Report to): Mike Foget

EDF DELIVERABLE TO (RP or Designee):

PHONE NO.:

E-MAIL:

LAB USE ONLY

TELEPHONE: (707)441-8855 FAX: (707)441-8877

E-MAIL:

SAMPLER NAME(S) (Print):

CONSULTANT PROJECT NUMBER: 098179.304

TURNAROUND TIME (CALENDAR DAYS): ☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☐

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 18

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TO-14	Benzene	Vinyl Chloride	Trichloro Ethylene	Dichloro Ethylene	Methyl Chloride
	Exs EFF	11/11/05	1005	air	1									X	X	X	X	X	X
	Exs INF	↓	1020	↓	1									↓	↓	↓	↓	↓	↓
	Car EFF	↓	1015	↓	1									↓	↓	↓	↓	↓	↓

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Dustin Sillitto	Loren Mullen	11-15-05	0945
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

9/19/03 Revision

LOGIN SAMPLE RECEIPT CHECK LIST

Client: SHN Consulting Engineering & Geologiests

Job Number: 720-479-1

Login Number: 479

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present	True	
Samples do not require splitting or compositing	True	

SEVERN TRENT STL

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

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

November 22, 2005

STL LOT NUMBER: **E5K170200**
PO/CONTRACT: 720-479-1

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on November 16, 2005. These samples are associated with your 720-479 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

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

Sincerely,

Beth Riley
Project Manager

cc: Project File

ESK170200

TL San Francisco
20 Quarry Lane
asanton, CA 94566
one (925) 484-1919 Fax (925) 484-1096

Chain of Custody

ESK170200

SEVERN TRENT STI
Severn Trent Laboratories, Ir

Client Contact	Project Manager: Sharma, Dimple	Site Contact:	Date:	COC No: 720-90
ipping/Receiving@Severn Trent Laborat	Tel/Fax:	Lab Contact:	Carrier No:	Job Number: 720-479-1
21 South Grand Avenue,	Analysis Due Date			
nta Ana, CA 92705	11/22/2005			
one: 714-258-8610	Shipped with Order No: 720-70			
x: 714-258-0921				
ject Name: Conoco Phillips #0201, Eureka				
#:				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	SUBCONTRACT TO14	Benzene	Vinyl Chloride	Trichlor Ethylene	Dichlor Ethylene	Methyl Chloride	Special Instructions/Note:
720-479-1	11/11/05	10:05	Air - Summa C		1							
720-479-2	11/11/05	10:20	Air - Summa C		1							
720-479-3	11/11/05	10:15	Air - Summa C		1							

sible Hazard Identification
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unkn

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

cial Instructions/QC Requirements:

nquished by:	Company:	Date/Time: 11-16-05 1000	Received by:	Company: STL LA
nquished by:	Company:	Date/Time:	Received by:	Company:
nquished by:	Company:	Date/Time:	Received by:	Company:

nments:

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. CONOCO PHILLIPS #0201

720-479

Lot #: E5K170200

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

November 21, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5K170200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
720-479-2 11/11/05 10:20 002				
Benzene	1800	34	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	160000	8600	ppb(v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5K170200

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5K170200

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HQEGV	001	720-479-1	11/11/05	10:05
HQEKJ	002	720-479-2	11/11/05	10:20
HQEKN	003	720-479-3	11/11/05	10:15

NOTE(S):

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

STL SAN FRANCISCO

Client Sample ID: 720-479-1

GC/MS Volatiles

Lot-Sample #...: E5K170200-001
Date Sampled...: 11/11/05
Prep Date.....: 11/19/05
Prep Batch #...: 5325199
Dilution Factor: 1
Analyst ID.....: 117751

Work Order #...: HQEGV1AA
Date Received..: 11/16/05
Analysis Date..: 11/19/05

Instrument ID..: MSB
Method.....: EPA-21 TO-14A

Matrix.....: V

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: 720-479-2

GC/MS Volatiles

Lot-Sample #...: E5K170200-002 **Work Order #...:** HQEKJ1AA **Matrix.....:** V
Date Sampled...: 11/11/05 **Date Received..:** 11/16/05
Prep Date.....: 11/19/05 **Analysis Date..:** 11/19/05
Prep Batch #...: 5325199
Dilution Factor: 17.1
Analyst ID.....: 117751 **Instrument ID..:** MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**1800**	**34**	**ppb(v/v)**	**14**
cis-1,2-Dichloroethene	ND	34	ppb(v/v)	14
trans-1,2-Dichloroethene	ND	34	ppb(v/v)	8.6
1,1-Dichloroethene	ND	34	ppb(v/v)	8.6
Methylene chloride	ND	34	ppb(v/v)	14
Tetrachloroethene	ND	34	ppb(v/v)	10
TPH (as Gasoline)	**160000**	**8600**	**ppb(v/v)**	**1700**
Trichloroethene	ND	34	ppb(v/v)	8.6
Vinyl chloride	ND	34	ppb(v/v)	14

STL SAN FRANCISCO

Client Sample ID: 720-479-3

GC/MS Volatiles

Lot-Sample #...: E5K170200-003
Date Sampled...: 11/11/05
Prep Date.....: 11/19/05
Prep Batch #...: 5325199
Dilution Factor: 1
Analyst ID.....: 117751

Work Order #...: HQEKN1AA
Date Received..: 11/16/05
Analysis Date..: 11/19/05

Instrument ID..: MSB
Method.....: EPA-21 TO-14A

Matrix.....: V

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb(v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb(v/v)	0.50
Methylene chloride	ND	2.0	ppb(v/v)	0.80
Tetrachloroethene	ND	2.0	ppb(v/v)	0.60
TPH (as Gasoline)	ND	500	ppb(v/v)	100
Trichloroethene	ND	2.0	ppb(v/v)	0.50
Vinyl chloride	ND	2.0	ppb(v/v)	0.80

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5K170200

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	V	EPA-21 TO-14A		5325199	
002	V	EPA-21 TO-14A		5325199	
003	V	EPA-21 TO-14A		5325199	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5K170200
MB Lot-Sample #: M5K210000-199

Work Order #...: HQM931AA

Matrix.....: AIR

Prep Date.....: 11/19/05

Instrument ID..: MSB

Analysis Date..: 11/19/05
Prep Batch #...: 5325199
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb(v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb(v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb(v/v)	EPA-21 TO-14A

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5K170200
LCS Lot-Sample#: M5K210000-199
Prep Date.....: 11/19/05
Prep Batch #...: 5325199
Dilution Factor: 1
Analyst ID.....: 117751

Work Order #...: HQM931AC-LCS
HQM931AD-LCSD
Analysis Date..: 11/19/05
Instrument ID..: MSB

Matrix.....: AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**95**	**(70 - 125)**			**EPA-21 TO-14A**
	93	**(70 - 125)**	**1.2**	**(0-20)**	**EPA-21 TO-14A**
Methylene chloride	**97**	**(75 - 120)**			**EPA-21 TO-14A**
	95	**(75 - 120)**	**2.1**	**(0-20)**	**EPA-21 TO-14A**
Trichloroethene	**96**	**(70 - 125)**			**EPA-21 TO-14A**
	96	**(70 - 125)**	**0.50**	**(0-20)**	**EPA-21 TO-14A**

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5K170200 **Work Order #...:** HQM931AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5K210000-199 HQM931AD-LCSD
Prep Date.....: 11/19/05 **Analysis Date..:** 11/19/05
Prep Batch #...: 5325199
Dilution Factor: 1 **Instrument ID..:** MSB
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	47.7	ppb(v/v)	95		EPA-21 TO-14A
	50.5	47.2	ppb(v/v)	93	1.2	EPA-21 TO-14A
Methylene chloride	54.5	53.0	ppb(v/v)	97		EPA-21 TO-14A
	54.5	51.8	ppb(v/v)	95	2.1	EPA-21 TO-14A
Trichloroethene	49.5	47.4	ppb(v/v)	96		EPA-21 TO-14A
	49.5	47.6	ppb(v/v)	96	0.50	EPA-21 TO-14A

NOTE(S):

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

Bold print denotes control parameters

Appendix D

Historic Groundwater Analytical Results for Petroleum Hydrocarbons

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1	09/01/91	--	--	--	65	300	ND	ND	ND	ND	--	--
10.06	02/01/92	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/15/92	8.87	1.19	--	--	--	--	--	--	--	--	--
	09/16/92	8.81	1.25	--	--	--	--	--	--	--	--	--
	09/01/92	--	--	--	600	ND	ND	ND	ND	ND	--	900[1]
	02/01-02/93	7.40	2.66	--	1,100	ND	ND	ND	ND	ND	--	--
	03/01/93	--	--	--	8,900	ND	ND	ND	ND	ND	--	--
	09/01/93	--	--	--	520	ND	ND	ND	ND	ND	--	--
	09/17-19/93	8.54	1.52	--	--	--	--	--	--	--	--	--
	02/01-03/94	7.29	2.77	--	710	ND	ND	0.6	ND	ND	--	--
	09/19-20/94	8.67	1.39	--	ND	ND	ND	ND	ND	ND	--	--
	02/09/95	6.75	3.31	--	86[4]	ND	ND	ND	ND	ND	--	--
	04/12/95	7.88	2.18	--	ND	ND	ND	ND	ND	ND	--	--
	09/13/95	8.42	1.64	--	100[4]	ND	ND	ND	ND	ND	--[7]	--
	02/22/96	6.27	3.79	--	200	ND	ND	ND	ND	ND	--	--
	05/02/96	6.41	3.65	--	ND	--	ND	ND	ND	ND	--	ND
	08/01/96	6.75	3.31	--	Sampled annually		--	--	--	--	--	--
	11/12/96	7.91	2.15	--	--	--	--	--	--	--	--	--
	02/26/97	7.80	2.26	--	--	--	--	--	--	--	--	--
	05/01/97	8.18	1.88	--	ND	--	--	--	--	--	--	--
	08/05/97	8.49	1.57	--	--	--	--	--	--	--	--	--
	11/11/97	7.59	2.47	--	--	--	--	--	--	--	--	--
	05/21-22/98	8.18	1.88	--	92[19]	--	--	--	--	--	--	--
	08/27-28/98	8.70	1.36	--	--	--	--	--	--	--	--	--
	11/10/98	7.68	2.38	--	--	--	--	--	--	--	--	--
	02/17/99	6.24	3.82	--	--	--	--	--	--	--	--	--
	05/25/99	7.95	2.11	--	ND	--	--	--	--	--	--	--
	08/17/99	8.77	1.29	--	--	--	--	--	--	--	--	--
10.02	11/15/99	7.71	2.31	--	--	--	--	--	--	--	--	--
	02/07/00	6.06	3.96	--	--	--	--	--	--	--	--	--
	05/22/00	8.54	1.48	--	ND	--	--	--	--	--	--	--
	08/08/00	8.56	1.46	--	--	--	--	--	--	--	--	--
	11/06/00	10.02	1.57	--	--	--	--	--	--	--	--	--
	02/14/01	6.96	3.10	--	<50	--	--	--	--	--	--	--
	08/20/01	8.75	1.31	--	--	--	--	--	--	--	--	--
	02/12/02	6.68	3.38	--	<50	--	--	--	--	--	--	--
	08/06/02	8.62	1.44	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	6.75	3.31	--	<50	--	--	--	--	--	--	--
	8/12-8/14/03	8.79	1.27	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	4.19	5.83	--	94	--	--	--	--	--	--	--
	08/09/04	8.35	1.71	--	--	--	--	--	--	--	--	--
	2/21-22/05	6.14	3.88	--	**58**	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2	09/01/91	--	--	--	--	--	--	--	--	--	--	--
10.42	02/01/92	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/92	--	--	--	200	ND	ND	ND	ND	ND	--	200[1]
	09/15/92	8.71	1.71	--	--	--	--	--	--	--	--	--
	09/16/92	8.73	1.69	--	--	--	--	--	--	--	--	--
	02/01-02/93	7.21	3.21	--	760	ND	ND	ND	ND	ND	--	--
	03/01/93	--	--	--	910	ND	ND	ND	ND	ND	--	--
	09/01/93	--	--	--	300	ND	ND	ND	ND	ND	--	--
	09/17-19/93	8.54	1.88	--	--	--	--	--	--	--	--	--
	02/01-03/94	7.32	3.10	--	400	ND	ND	ND	ND	ND	--	--
	09/19-20/94	8.72	1.70	--	ND	ND	ND	ND	ND	0.84	--	--
	02/09/95	6.88	3.54	--	ND	ND	ND	ND	ND	ND	--	--
	04/12/95	7.59	2.83	--	ND	ND	ND	ND	ND	ND	--	--
	09/13/95	8.22	2.20	--	100[4]	ND	ND	ND	ND	ND	--[7]	--
	02/22/96	6.35	4.07	--	260	ND	ND	ND	ND	ND	--	--
	05/01/96	6.96	3.46	--	--	--	--	--	--	--	--	--
	05/02/96	--	--	--	ND	--	ND	ND	ND	ND	--	ND
	08/01/96[10]	7.09	3.33	--	Sampled annually		--	--	--	--	--	--
	11/12/96	8.09	2.33	--	--	--	--	--	--	--	--	--
	02/25/97	--	--	--	--	--	--	--	--	--	--	--
	02/26/97	7.60	2.82	--	--	--	--	--	--	--	--	--
	05/01/97	7.75	2.67	--	--	--	--	--	--	--	--	--
	08/05/97	8.60	1.82	--	--	--	--	--	--	--	--	--
	11/11/97	7.57	2.85	--	--	--	--	--	--	--	--	--
	05/21-22/98	7.68	2.74	--	190[19]	--	--	--	--	--	--	--
	08/27-28/98	8.85	1.57	--	--	--	--	--	--	--	--	--
	11/10/98	7.75	2.67	--	--	--	--	--	--	--	--	--
	02/23/99	6.29	4.13	--	ND	--	--	--	--	--	--	--
	05/26/99	8.13	2.29	--	ND	--	--	--	--	--	--	--
	08/17/99	8.87	1.55	--	--	--	--	--	--	--	--	--
10.41	11/15/99	7.90	2.51	--	--	--	--	--	--	--	--	--
	02/07/00	6.54	3.87	--	ND	--	--	--	--	--	--	--
	05/22/00	8.05	2.36	--	--	--	--	--	--	--	--	--
	8/8/2000	8.83	1.58	--	--	--	--	--	--	--	--	--
	11/06/00	8.16	2.25	--	--	--	--	--	--	--	--	--
	02/14/01	6.96	3.41	--	<50	--	--	--	--	--	--	--
	08/20/01	8.56	1.86	--	--	--	--	--	--	--	--	--
	02/12/02	6.99	3.43	--	<50	--	--	--	--	--	--	--
	08/06/02	8.77	1.65	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	6.50	3.91	--	<50	--	--	--	--	--	--	--
	8/12-8/14/03	8.32	2.10	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	4.37	6.04	--	53	--	--	--	--	--	--	--
	8/9-8/11/04	8.71	1.71	--	--	--	--	--	--	--	--	--
	2/21-22/05	6.94	3.47	--	<50	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3	09/01/91	--	--	--	1,200	ND	ND	ND	ND	ND	--	--
7.65	02/01/92	--	--	--	1,200	670	7.5	9.6	ND	ND	--	--
	09/01/92	--	--	--	14,000	1,100	90	7.0	42	42	--	11,000[1]
	09/15/92	7.79	-0.14	--	--	--	--	--	--	--	--	--
	09/16/92	7.58	0.07	--	--	--	--	--	--	--	--	--
	02/01-02/93	8.35	-0.70	--	16,000	940	18	2.0	0.8	4.0	--	--
	03/01/93	--	--	--	18,000	930	9.0	2.0	1.0	3.0	--	--
	09/01/93	--	--	--	9,000	1,900	220	17	65	63	--	--
	09/17-19/93	8.31	-0.66	--								
	02/01-03/94	8.42	-0.77	--	13,000	700	18	2.0	7.0	13	--	--
	09/19-20/94	6.98	0.67	--	Not sampled due to the presence of skimmer					--	--	--
	02/09/95	7.66	0.03**	0.05	Not sampled due to the prescence of free product					--	--	--
	04/12/95	3.88	3.77	--[8]	Not sampled due to the prescence of free product					--	--	--
	09/13/95	5.19	2.65**	0.25	Not sampled due to the prescence of free product					--	--	--
	02/22/96	6.54	1.34**	0.30	Not sampled due to the prescence of free product					--	--	--
	05/02/96	6.67	1.15**	0.22	Not sampled due to the prescence of free product					--	--	--
	08/01/96	6.62	1.13**	0.13	Not sampled due to the prescence of free product					--	--	--
	11/12/96	7.02	0.71**	0.10	Not sampled due to the prescence of free product					--	--	--
	02/25/97	7.93	-0.27**	0.01	Not sampled due to the prescence of free product					--	--	--
	05/01/97	8.25	-0.59**	0.01	Not sampled due to the prescence of free product					--	--	--
	08/05/97	8.80	-1.15	sheen	23,000[5]	6,400	420	ND	99	260	690/650[17]	--
	11/11/97	4.99	2.66	sheen	4,200[5]	32,000	890	ND	ND	460	2,300	--
	05/21-22/98	9.11	-1.15**	0.42	Not sampled due to the prescence of free product					--	--	--
	08/27-28/98	6.33	1.41**	0.12	Not sampled due to the prescence of free product					--	--	--
	11/10/98	6.43	1.28**	0.08	Not sampled due to the prescence of free product					--	--	--
	02/23/99	6.18	1.47	0.00/sheen	15,000[35]	19,000	560	120	560	400	280	--
	05/26/99	6.72	0.93	0.00/sheen	81,000	40,000	2700	290	1300	830	370	--
	08/17/99	7.63	0.02	0.00/dk brwn	--	--	--	--	--	--	--	--
	11/15/99	6.45	1.20	0.00/sheen	2,900	6,900	1,700	110	450	441	ND	--
	02/07/00	6.97	0.68	0.00/lght	2,400[40,42,47]	10,000	480	ND [41]	250	269	ND [41]	--
	05/22/00	9.05	-1.40	0.48	--	--	--	--	--	--	--	--
	08/08/00	7.32	0.33	0.01	--	--	--	--	--	--	--	--
	11/06/00	7.10	0.55	0.01	--	--	--	--	--	--	--	--
	02/14/01	7.16	0.49	0.00/heavy	5400[51]	9,600	670	<60	<60	<60	<300	--
	08/20/01	9.09	-1.44	0.00/heavy	9,400	8,500	830	<130	8.6	37	<300	--
	02/13/02	3.90	3.75	0.00/heavy	2,900	290,000	6,500	<2,700	3,300	1,400	<2,400	--
	08/06/02	7.99	-0.34	0.00/med	Not sampled due to the prescence of free product							
	2/25-2/27/03	5.23	2.42	0.00/light	5,600	5,300	390	<75	15	7.2	34	--
	8/12-8/14/03	8.79	-1.14	--	6,600	5,200	13	<50	47	215	46	--
	2/17-2/19/04	3.93	3.72	--	6,400	1,700	3.2	<1.0	<1.0	11	45	--
	8/9-8/11/04	7.25	0.40	0.00/sheen	13,000	1,500	<2.5	<2.5	<2.5	<2.5	<25	--
	2/21-23/05	5.08	2.57	0.00/sheen	5,000	280	0.87	<0.50	<0.50	1.2	19	--
11.80[53]	8/1-2/2005	8.12	3.68	--	3,200	100[54]	<0.50	<0.50	<0.50	<0.50	12	

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4	09/01/91	--	--	--	260	150	ND	7.9	1.9	6.8	--	--
7.24	02/01/92	--	--	--	310	340	26	6.5	ND	ND	--	--
	09/01/92	--	--	--	5,900	500	16	1.0	2.0	1.0	--	ND[1]
	09/15/92	5.09	2.15	--	--	--	--	--	--	--	--	--
	09/16/92	6.01	1.23	--	--	--	--	--	--	--	--	--
	02/01-02/93	5.24	2.00	--	2,400	200[2]	6.0	2.0	ND	ND	--	--
	03/01/93	--	--	--	2,900	300	7.3	2.0	0.3	1.0	--	--
	09/01/93	--	--	--	2,300	200	8.4	1.0	ND	ND	--	--
	09/17-19/93	6.78	0.46	--	--	--	--	--	--	--	--	--
	02/01-03/94	5.25	1.99	--	2,900	200	9.0	1.0	ND	ND	--	--
	09/19-20/94	6.50	0.74	--	9,300	820	29	4.0	ND	6.8	--	--
	02/09/95	3.39	3.85	--	280[5]	510	6.0	ND	ND	ND	--	--
	04/12/95	2.59	4.65	--	250[4]	400	10	ND	ND	2.7	--	--
	09/13/95	4.37	2.87	--	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	1,700[5]	360	9.3	1.4	ND	1.9	--[7]	--
	02/22/96	3.86	3.38	--	--	--	--	--	--	--	--	--
	02/23/96	--	--	--	550	ND	5.6	ND	ND	ND	--[9]	--
	05/01/96	4.12	3.12	--	--	--	--	--	--	--	--	--
	05/02/96	--	--	--	74	580	12	4.3	5.1	32	--[9]	ND
	08/01/96	4.27	2.97	--	580	290[3]	16	2.1	ND	2.5	--[9]	--
	11/12/96	4.14	3.10	sheen	660[5]	110	6.8	0.74	ND	1.8	--	--
	02/25/97	3.61	3.63	--	--	--	--	--	--	--	--	--
	02/26/97	--	--	--	120	83[3]	6.1	1.1	ND	1.9	--	--
	05/01/97	3.90	3.34	--	58	150	6.7	2.4	ND	3.8	450/10[17]	--
	08/06/97	5.46	1.78	sheen	180[5]	95[3]	5.4	1.6	0.64	1.6	990/ND[17]	--
	11/11/97	3.84	3.40	sheen	370	ND	11	ND	ND	1.2	190	--
	05/21-22/98	3.91	3.33	--	620[19]	190[20]	5.2	0.81	ND	0.78	21	--
	08/27-28/98	5.67	1.57	--	410	ND	5.0	ND	ND	ND	560	--
	11/10/98	4.20	3.04	--	850	210	11.0	16	1.8	10	35	--
	02/24/99	3.04	4.20	--	280[36]	ND	1.6	ND	ND	ND	ND	--
	05/26/99	4.91	2.33	--	--	--	--	--	--	--	--	--
	08/17/99	7.60	-0.36	--	70	ND	1.1	ND	ND	ND	4.6	--
	11/15/99	6.21	1.03	--	--	--	--	--	--	--	--	--
	2/7/2000[43]	6.16	1.08	--	ND	ND	ND	ND	ND	ND	ND	--
	05/22/00	4.03	3.21	--	--	--	--	--	--	--	--	--
	08/08/00	7.11	0.13	--	56[51,45]	ND	ND	ND	ND	ND	ND	--
	11/06/00	5.08	2.16	--	--	--	--	--	--	--	--	--
	02/13/01	6.43	0.81	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	7.26	-0.02	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	02/12/02	4.08	3.16	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	7.13	0.11	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/25-2/27/03	3.15	4.09	--	100	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4	8/12-8/14/03	4.82	2.42	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
cont'd	2/17-2/19/04	1.94	5.30	--	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
7.24	8/9-8/11/04	4.57	2.67	--	320	<50	--	--	--	--	--	--
	2/21-23/05	3.14	4.10	--	580	<50	--	--	--	--	--	--
11.30[53]	08/02/05	4.44	6.86	--	630	<50[54]	--	--	--	--	--	--
MW-5	09/01/91	--	--	--	970	1,100	18	2.4	ND	ND	--	--
7.40	02/01/92	--	--	--	1,500	1,200	29	4.7	28	16	--	--
	09/01/92	--	--	--	1,200	200	9.0	3.0	0.7	3.0	--	1,200[1]
	09/15/92	7.56	-0.16	--	--	--	--	--	--	--	--	--
	09/16/92	7.29	0.11	--	--	--	--	--	--	--	--	--
	02/01-02/92	8.35	-0.95	--	11,100	630	11	1.0	8.0	2.0	--	--
	03/01/93	--	--	--	11,100	720	12	1.0	11	6.0	--	--
	09/01/93	--	--	--	5,400	450	11	0.6	ND	ND	--	--
	09/17-19/93	8.42	-1.02	--	--	--	--	--	--	--	--	--
	02/01-03/94	8.35	-0.95	--	8,100	400	10	1.0	6.0	ND	--	--
	09/19-20/94	7.53	-0.13	--	1,200	110[3]	2.9	ND	ND	1.4	--	--
	02/09/95	7.48	-0.08	--	1,900	290	6.4	2.4	4.1	4.7	--	--
	04/13/95	4.98	2.42	--	1,100[4]	480	6.7	1.1	2.3	3.2	--	--
	09/14/95	6.09	1.31	--	1,600[5]	330	9.8	1.4	ND	2.0	--[7]	--
	02/23/96	5.65	1.75	--	3,200	450	7.7	2.4	3.3	3.5	--	--
	05/02/96	5.69	1.71	--	160	840	7.0	2.6	1.4	4.4	--	ND
	08/01/96	5.83	1.57	--	Sampled semi-annually		--	--	--	--	--	--
	11/12/96	8.15	-0.75	--	2,000	410[12]	7.6	0.68	ND	1.5	--	--
	02/25/97	6.42	0.98	--	--	--	--	--	--	--	--	--
	05/01/97	8.42	-1.02	--	300	530	3.6	1.1	ND	1.2	7.0/4.0[17]	--
	08/05/97	6.35	1.05	--	--	--	--	--	--	--	--	--
	11/11/97	5.01	2.39	--	2,000	280[3]	6.4	ND	ND	ND	ND	--
	05/21-22/98	6.45	0.95	--	2,400[19]	ND	ND	ND	ND	ND	ND	--
	08/27-28/98	7.44	-0.04	--	--	--	--	--	--	--	--	--
	11/10/98	6.32	1.08	--	--	--	--	--	--	--	--	--
	02/24/99	4.19	3.21	--	4,400[37]	280	2.9	0.59	ND	1.9	ND	--
	05/26/99	6.03	1.37	--	840	280	3.0	ND	ND	ND	ND	--
	08/17/99	7.38	0.02	--	--	--	--	--	--	--	--	--
	11/15/99	5.13	2.27	--	470	ND	1.5	ND	ND	ND	ND	--
	02/07/00	4.69	2.71	--	--	--	--	--	--	--	--	--
	05/22/00	8.11	-0.71	--	860 [40]	ND	0.77	ND	ND	ND	ND	--
	08/08/00	6.88	0.52	--	--	--	--	--	--	--	--	--
	11/06/00	6.28	1.12	--	570	64	0.56	<0.5	<0.5	<0.5	<3.0	--
	02/13/01	7.76	-0.36	--	510[51]	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	5.70	1.70	--	490	69	<0.50	<0.50	<0.50	<0.50	<3.0	--
	02/12/02	6.14	1.26	--	260	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	8.21	-0.81	--	240	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/25-2/27/03	3.30	4.10	--	850	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88[--])	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-5	8/12-8/14/03	8.68	-1.28	--	340	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
cont'd	2/17-2/19/04	2.92	4.48	--	850	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
7.40	8/9-8/11/04	6.46	0.94	--	560	<50	--	--	--	--	--	--
	2/21-23/05	3.99	3.41	--	2,300	<50	--	--	--	--	--	--
11.53[53]	08/02/05	6.84	4.69	--	980	<50[54]	--	--	--	--	--	--
MW-6	09/01/92	--	--	--	100	ND	ND	ND	ND	ND	--	ND[1]
10.40	09/15/92	9.17	1.23	--	--	--	--	--	--	--	--	--
	09/16/92	9.09	1.31	--	--	--	--	--	--	--	--	--
	02/01-02/93	8.58	1.82	--	650	ND	ND	ND	ND	ND	--	--
	03/01/93	--	--	--	600	ND	ND	ND	ND	ND	--	--
	09/01/93	--	--	--	300	ND	ND	ND	ND	ND	--	--
	09/17-19/93	8.24	2.16	--	--	--	--	--	--	--	--	--
	02/01-03/94	7.98	2.42	--	300	ND	ND	0.9	ND	ND	--	--
	09/19-20/94	8.28	2.12	--	ND	ND	ND	0.87	ND	1.5	--	--
	02/09/95	7.51	2.89	--	ND	ND	ND	ND	ND	ND	--	--
	04/12/95	7.52	2.88	--	ND	ND	ND	ND	ND	ND	--	--
	09/14/95	8.09	2.31	--	160[5]	ND	ND	ND	ND	ND	--	--
	02/02/96	7.21	3.19	--	370	ND	ND	ND	ND	ND	--	--
	05/02/96	6.95	3.45	--	ND	--	--	--	--	--	--	ND
	08/01/96	6.88	3.52	--	Sampled annually		--	--	--	--	--	--
	11/12/96	7.99	2.41	--	--	--	--	--	--	--	--	--
	02/25/97	8.02	2.38	--	--	--	--	--	--	--	--	--
	05/01/97[14]	8.24	2.16	--	--	--	--	--	--	--	--	--
	08/05/97	8.22	2.18	--	--	--	--	--	--	--	--	--
	11/11/97	7.70	2.70	--	--	--	--	--	--	--	--	--
	05/21-22/98	8.76	1.64	--	200[19]	--	--	--	--	--	--	--
	08/27-28/98	9.10	--[32]	--	--	--	--	--	--	--	--	--
	11/10/98	8.46	--[32]	--	--	--	--	--	--	--	--	--
	02/17/99	--[32]	--[32]	--	--	--	--	--	--	--	--	--
	05/26/99	--[32]	--[32]	--	ND	--	--	--	--	--	--	--
	08/17/99	--[32]	--[32]	--	--	--	--	--	--	--	--	--
	11/15/99	6.41	2.45	--	--	--	--	--	--	--	--	--
8.86	02/07/00	4.94	3.92	--	--	--	--	--	--	--	--	--
	05/22/00	6.03	2.83	--	ND	--	--	--	--	--	--	--
	08/08/00	6.58	2.28	--	--	--	--	--	--	--	--	--
	11/06/00	5.86	3.00	--	--	--	--	--	--	--	--	--
	02/15/01	5.18	5.22	--	<50	--	--	--	--	--	--	--
	08/20/01	6.82	3.58	--	--	--	--	--	--	--	--	--
	02/13/02	5.03	5.37	--	<50	--	--	--	--	--	--	--
	08/06/02	6.81	3.59	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	4.87	5.53	--	<50	--	--	--	--	--	--	--
	8/12-8/14/03	6.42	3.98	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	4.10	4.76	--	110	--	--	--	--	--	--	--
	8/9-8/11/04	6.49	3.91	--	--	--	--	--	--	--	--	--
	02/21/05	4.52	4.34	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88~)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-7	09/01/92	--	--	--	40	60	ND	ND	ND	ND	--	--
7.99	09/15/92	7.32	0.67	--	--	--	--	--	--	--	--	--
	09/16/92	7.08	0.91	--	--	--	--	--	--	--	--	--
	02/01/93	7.57	0.42	--	Not sampled due to the prescence of free product					--	--	--
	03/01/93	--	--	--	Not sampled due to the prescence of free product					--	--	--
	09/01/93	--	--	--	4,900	ND	ND	ND	ND	ND	--	--
	09/17-19/93	8.49	-0.50	--	--	--	--	--	--	--	--	--
	02/01/94	7.69	0.30	--	8,100	200	ND	0.8	ND	ND	--	--
	09/19-20/94	6.90	1.10**	0.01	Not sampled due to the prescence of free product					--	--	--
	02/09/95	5.87	2.13**	0.01	Not sampled due to the prescence of free product					--	--	--
	04/12/95	6.11	2.32**	0.59	Not sampled due to the prescence of free product					--	--	--
	09/14/95	7.20	0.79	<0.01	Not sampled due to the prescence of free product					--	--	--
	02/22/96	7.85	0.14	<0.01	Not sampled due to the prescence of free product					--	--	--
	05/02/96	7.59	0.56**	0.21	Not sampled due to the prescence of free product					--	--	--
	08/01/96	6.98	1.01	sheen	45,000	5,000[3]	ND	ND	ND	ND	--	--
	11/12/96	6.56	1.43	--	1,700	160[3]	ND	ND	ND	1.0	--	--
	02/26/97	5.89	2.10	sheen	140,000	5,400[3]	ND	ND	ND	ND	--	--
	05/01/97	6.81	1.18	sheen	2,300	200[3]	ND	ND	ND	ND	ND	--
	08/06/97	6.98	1.01	sheen	1,100	ND	ND	ND	ND	ND	ND	--
	11/12/97	5.69	2.30	--	2,100	65[3]	ND	ND	ND	ND	--	--
	05/21-22/98	5.68	2.31	--	6,700[19]	ND	ND	ND	ND	ND	--	--
	08/27-28/98	6.81	1.18	--	4,500	320[25]	ND[24]	ND[24]	ND[24]	ND[24]	--	--
	11/10/98	5.70	2.29	--	9.3	130	ND	ND	ND	ND	--	--
	02/23/99	4.79	3.20	0.00/light	4,200	120[26]	--	--	--	--	--	--
	05/26/99	5.98	2.01	0.00/Sheen	--	--	--	--	--	--	--	--
	08/17/99	6.78	1.21	0.00/light	360	ND	--	--	--	--	--	--
	11/15/99	6.08	1.91	0.00/light	--	--	--	--	--	--	--	--
	02/07/00	4.67	3.32	0.00/sheen	570 [40,45]	100 [44]	--	--	--	--	--	--
	05/22/00	6.15	1.84	0.00/sheen	--	--	--	--	--	--	--	--
	08/08/00	6.56	1.43	0.00/sheen	580 [51,46]	67 [44]	--	--	--	--	--	--
	11/06/00	6.26	1.73	0.00/sheen	--	--	--	--	--	--	--	--
	02/14/01	5.69	2.30	0.00/sheen	850[51]	84	--	--	--	--	--	--
	08/20/01	7.02	0.97	0.00/light	580	90	--	--	--	--	--	--
	02/13/02	5.13	2.86	0.00/light	610	79	--	--	--	--	--	--
	08/06/02	6.78	1.21	0.00/light	2,600	75	--	--	--	--	--	--
	2/25-2/27/03	4.46	3.53	--	940	110	--	--	--	--	--	--
	8/12-8/14/03	6.74	1.25	--	670	<50	--	--	--	--	--	--
	2/17-2/19/04	2.05	5.94	--	1,200	<50	--	--	--	--	--	--
	8/9-8/11/04	6.46	1.53	0.00/sheen	670	<50	--	--	--	--	--	--
	2/21-22/05	4.56	3.43	0.00/sheen	1,300	84	--	--	--	--	--	--
12.16[53]	08/02/05	6.09	6.07	--	630	<50[54]	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-8	09/01/92	--	--	--	ND	ND	ND	ND	ND	ND	--	300[1]
8.23	09/15/92	6.14	2.09	--	--	--	--	--	--	--	--	--
	09/16/92	6.54	1.69	--	--	--	--	--	--	--	--	--
	02/01-02/93	5.24	2.99	--	200	ND	ND	ND	ND	ND	--	--
	03/01/93	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/93	--	--	--	80	ND	ND	ND	ND	ND	--	--
	09/17-19/93	5.59	2.64	--	--	--	--	--	--	--	--	--
	02/01-03/94	3.01	5.22	--	100	ND	ND	ND	ND	ND	--	--
	09/19-20/94	8.15	0.08	--	ND	ND	ND	0.80	ND	0.94	--	--
	02/09/95	2.46	5.77	--	ND	ND	ND	ND	ND	ND	--	--
	04/12/95	7.62	0.61	--	ND	ND	ND	ND	ND	ND	--	--
	09/14/95	8.52	-0.29	--	130[5]	ND	ND	ND	ND	ND	--	--
	02/22/96	6.09	2.14	--	360	ND	ND	ND	ND	ND	--	--
	05/02/96	6.22	2.01	--	ND	--	--	--	--	--	--	ND
	08/01/96	6.15	2.08	--	Sampled annually		--	--	--	--	--	--
	11/12/96	Unable to locate		--	--	--	--	--	--	--	--	--
	02/25/97	Unable to locate		--	--	--	--	--	--	--	--	--
	05/01/97[10]	Inaccessible (access to property denied)				--	--	--	--	--	--	--
	08/05/97	**DESTROYED**	--	--	--	--	--	--	--	--	--	--
MW-9	02/22/96	3.68	3.99	--[8]	--	--	--	--	--	--	--	--
7.67	08/01/96	5.83	1.84	--[8]	--	--	--	--	--	--	--	--
	11/12/96	6.33	1.34	<0.01	--	--	--	--	--	--	--	--
	02/25/97	5.15	2.52	--	--	--	--	--	--	--	--	--
	05/01/97	5.70	1.97	--	--	--	--	--	--	--	--	--
	08/05/97	7.01	0.66	--	--	--	--	--	--	--	--	--
	11/11/97	5.77	1.90	--	--	--	--	--	--	--	--	--
	05/21-22/98	4.98	2.69	--	--	--	--	--	--	--	--	--
	08/27-28/98	7.05	0.62	--	--	--	--	--	--	--	--	--
	11/10/98	4.78	2.89	--	--	--	--	--	--	--	--	--
	02/17/99	3.18	4.49	0.00/sheen	--	--	--	--	--	--	--	--
	05/26/99	6.27	1.40	0.02/trace	--	--	--	--	--	--	--	--
	8/17/1999	7.18	0.49	0.00/sheen	--	--	--	--	--	--	--	--
	11/15/1999	6.72	0.95	--	--	--	--	--	--	--	--	--
	2/7/2000	3.51	4.16	--	--	--	--	--	--	--	--	--
	05/22/00	6.29	1.38	--	--	--	--	--	--	--	--	--
	08/08/00	7.02	0.65	--	--	--	--	--	--	--	--	--
	11/06/00	5.98	1.69	--	--	--	--	--	--	--	--	--
	02/12/01	4.97	2.70	--	--	--	--	--	--	--	--	--
	08/20/01	7.04	0.63	--	--	--	--	--	--	--	--	--
	02/11/02	3.87	3.80	--	--	--	--	--	--	--	--	--
	08/06/02	6.65	1.02	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	3.16	4.51	--	--	--	--	--	--	--	--	--
	8/12-8/14/03	6.54	1.13	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	2.15	5.52	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	DRY	--	--	--	--	--	--	--	--	--	--
	02/21/05	5.38	2.29	0.00/sheen	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88[1])	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-10	02/22/96	3.55	3.73	--[8]	--	--	--	--	--	--	--	--
7.28	08/01/96	5.72	1.56	--[8]	--	--	--	--	--	--	--	--
	11/12/96	6.81	0.49**	0.02	--	--	--	--	--	--	--	--
	02/25/97	6.08	1.22**	0.02	--	--	--	--	--	--	--	--
	05/01/97	5.76	1.53**	0.01	--	--	--	--	--	--	--	--
	08/05/97	6.71	0.58**	0.01	--	--	--	--	--	--	--	--
	11/11/97	4.58	2.71**	0.01	--	--	--	--	--	--	--	--
	05/21-22/98	5.18	2.10	<0.01	--	--	--	--	--	--	--	--
	08/27-28/98	6.78	0.52**	0.03	--	--	--	--	--	--	--	--
	11/10/98	4.50	2.78	0.00/sheen	--	--	--	--	--	--	--	--
	02/17/99	2.86	4.42	0.00/sheen	--	--	--	--	--	--	--	--
	05/26/99	6.35	0.93	0.00/lt brwn	--	--	--	--	--	--	--	--
	08/17/99	6.95	0.33	0.00/black	--	--	--	--	--	--	--	--
	11/15/99	6.08	1.20	0.01/brwn	--	--	--	--	--	--	--	--
	02/07/00	2.83	4.45	0.00	--	--	--	--	--	--	--	--
	05/22/00	5.98	1.30	0.00	--	--	--	--	--	--	--	--
	08/08/00	6.76	0.52	0.00/black	--	--	--	--	--	--	--	--
	11/06/00	5.89	1.39	--	--	--	--	--	--	--	--	--
	02/12/01	2.73	4.70	--	--	--	--	--	--	--	--	--
	08/20/01	6.78	0.50	--	--	--	--	--	--	--	--	--
	02/11/02	3.50	3.78	--	--	--	--	--	--	--	--	--
	08/06/02	6.31	0.97	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	2.88	4.40	--	--	--	--	--	--	--	--	--
	8/12-8/14/03	6.21	1.07	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	1.81	5.47	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	7.37	-0.09	0.00	--	--	--	--	--	--	--	--
	02/21/05	3.71	3.57	0.00/sheen	--	--	--	--	--	--	--	--
MW-11	02/22/96	Inaccessible (area flooded)			--	--	--	--	--	--	--	--
7.33	08/01/96	6.75	0.58	sheen	16,000[4]	17,000	210	550	340	1,900	--	--
	11/12/96	6.14	1.19	--	--	--	--	--	--	--	--	--
	02/25/97	4.50	2.83	--	--	--	--	--	--	--	--	--
	05/01/97	4.53	2.80	--	--	--	--	--	--	--	--	--
	08/05/97	6.73	0.60	--	--	--	--	--	--	--	--	--
	11/11/97	4.03	3.30	--	--	--	--	--	--	--	--	--
	05/21-22/98	3.93	3.40	--	--	--	--	--	--	--	--	--
	08/27-28/98	5.94	1.39	--	--	--	--	--	--	--	--	--
	11/10/98	3.64	3.69	--	--	--	--	--	--	--	--	--
	02/17/99	2.61	4.72	0.00/sheen	--	--	--	--	--	--	--	--
	05/26/99	4.69	2.64	--	--	--	--	--	--	--	--	--
	08/17/99	6.65	0.68	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-11	11/15/99	4.17	3.16	--	--	--	--	--	--	--	--	--
cont'd	02/07/00	2.56	4.77	--	--	--	--	--	--	--	--	--
7.33	05/22/00	4.33	3.00	--	--	--	--	--	--	--	--	--
	08/08/00	6.47	0.86	--	--	--	--	--	--	--	--	--
	11/06/00	4.33	3.00	--	--	--	--	--	--	--	--	--
	02/12/01	2.61	4.72	--	--	--	--	--	--	--	--	--
	08/20/01	6.51	0.82	--	--	--	--	--	--	--	--	--
	02/11/02	3.29	4.04	--	--	--	--	--	--	--	--	--
	08/06/02	5.98	1.35	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	2.71	4.62	--	--	--	--	--	--	--	--	--
	8/12-8/14/03	4.83	2.50	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	NM	NM	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	7.23	0.10	0.00	--	--	--	--	--	--	--	--
	02/21/05	3.15	4.18	0.00/sheen	--	--	--	--	--	--	--	--
MW-12	02/22/96	Inaccessible (area flooded)			--	--	--	--	--	--	--	--
7.43	08/01/96	5.56	1.87	sheen	2,900[5]	6,600	54	12	39	560	--	--
	11/12/96	5.10	2.33	--	--	--	--	--	--	--	--	--
	02/25/97	4.31	3.12	--	--	--	--	--	--	--	--	--
	05/01/97	4.44	2.99	--	--	--	--	--	--	--	--	--
	08/05/97	5.88	1.55	--	--	--	--	--	--	--	--	--
	11/11/97	3.59	3.84	--	--	--	--	--	--	--	--	--
	05/21-22/98	3.77	3.66	--	--	--	--	--	--	--	--	--
	08/27-28/98	4.97	2.46	--	--	--	--	--	--	--	--	--
	11/10/98	3.63	3.80	--	--	--	--	--	--	--	--	--
	02/17/99	2.71	4.72	0.00/sheen	--	--	--	--	--	--	--	--
	05/25/99	4.51	2.92	--	--	--	--	--	--	--	--	--
	08/17/99	5.55	1.88	--	--	--	--	--	--	--	--	--
	11/15/99	4.10	3.33	--	--	--	--	--	--	--	--	--
	02/07/00	2.67	4.76	--	--	--	--	--	--	--	--	--
	05/22/00	4.22	3.21	--	--	--	--	--	--	--	--	--
	08/08/00	5.71	1.72	--	--	--	--	--	--	--	--	--
	11/06/00	4.31	3.12	--	--	--	--	--	--	--	--	--
	02/12/01	2.73	4.70	--	--	--	--	--	--	--	--	--
	08/20/01	6.01	1.42	--	--	--	--	--	--	--	--	--
	02/11/02	3.37	4.06	--	--	--	--	--	--	--	--	--
	08/06/02	5.48	1.95	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	2.84	4.59	--	--	--	--	--	--	--	--	--
	8/12-8/14/03	4.73	2.70	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	NM	NM	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	6.31	1.12	0.00	--	--	--	--	--	--	--	--
	02/21/05	3.23	4.20	0.00/sheen	--	--	--	--	--	--	--	--
MW-13	04/12/95	4.10	2.55	--	--	--	--	--	--	--	--	--
6.65	04/13/95	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/13/95	7.87	-1.22	--	--	--	--	--	--	--	--	--
	09/14/95[2]	--	--	--	85[5]	ND	ND	ND	ND	ND	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-13	02/22/96	7.55	-0.90	--	330	ND	ND	ND	ND	ND	--	--
cont'd	05/02/96	Inaccessible (access to property denied)				--	--	--	--	--	--	--
6.65	08/01/96	Inaccessible (access to property denied)				--	--	--	--	--	--	--
	11/12/96	Inaccessible (access to property denied)				--	--	--	--	--	--	--
	02/25/97	5.80	0.85	--	66	ND	ND	ND	ND	ND	--	--
	05/01/97	6.88	-0.23	--	Sampled semi-annually[15]			--	--	--	--	--
	08/05/97	7.10	-0.45	--	ND	ND	ND	ND	ND	ND	ND	--
	11/11/97	4.08	2.57	--	--	--	--	--	--	--	--	--
	05/21-22/98	6.80	-0.15	--	340[19]	ND	ND	ND	ND	ND	--	--
	08/27-28/98	5.47	1.18	--	120	ND	ND	ND	ND	ND	--	--
	11/10/98	5.37	1.24	--	350	ND	ND	ND	ND	ND	--	--
	02/23/99	5.12	1.49	--	ND	ND	ND	ND	ND	ND	--	--
6.61	05/25/99	6.46	0.15	--	--	--	--	--	--	--	--	--
	08/17/99	6.03	0.58	--	ND	--	--	--	--	--	--	--
	11/15/99	5.05	1.56	--	--	--	--	--	--	--	--	--
	02/07/00	4.74	1.87	--	ND	--	--	--	--	--	--	--
	05/22/00	6.98	-0.37	--	ND	--	--	--	--	--	--	--
	08/08/00	5.77	0.84	--	ND	--	--	--	--	--	--	--
	11/06/00	5.42	1.19	--	<50	--	--	--	--	--	--	--
	02/14/01	6.30	0.35	--	<50	--	--	--	--	--	--	--
	08/20/01	6.71	0.10	--	<50	--	--	--	--	--	--	--
	02/13/02	5.03	1.62	--	<50	--	--	--	--	--	--	--
	08/06/02	6.90	-0.25	--	<50	--	--	--	--	--	--	--
	2/25-2/27/03	4.13	2.48	--	64	--	--	--	--	--	--	--
	8/12-8/14/03	6.52	0.09	--	<50	--	--	--	--	--	--	--
	2/17-2/19/04	3.54	3.07	--	<50	--	--	--	--	--	--	--
	8/9-8/11/04	5.89	0.72	--	--	--	--	--	--	--	--	--
	2/21-24/05	4.06	2.55	--	180	--	--	--	--	--	--	--
10.75[53]	08/01/05	6.57	4.18	--	--	--	--	--	--	--	--	--
MW-14	04/12/95	5.11	1.20	--	--	--	--	--	--	--	--	--
6.31	04/13/95	--	--	--	360	84	ND	ND	ND	ND	--	--
	09/13/95	7.93	-1.62	--[8]	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	Not sampled due to the prescence of free product					--	--	--
	02/22/96	7.63	-1.32	--[8]	Not sampled due to the prescence of free product					--	--	--
	05/02/96	Inaccessible (access to property denied)				--	--	--	--	--	--	--
	08/01/96	Inaccessible (access to property denied)				--	--	--	--	--	--	--
	11/12/96	Inaccessible (access to property denied)				--	--	--	--	--	--	--
	02/25/97	5.71	0.60	--[8]	Not sampled due to the prescence of free product					--	--	--
	05/01/97	6.85	-0.54	--[8]	Not sampled due to the prescence of free product					--	--	--
	08/05/97	6.90	-0.59	--[8]	Not sampled due to the prescence of free product					--	--	--
	11/11/97	4.12	2.19	--[8]	Not sampled due to the prescence of free product					--	--	--
	05/21-22/98	6.83	--	--[8]	Not sampled due to the prescence of free product					--	--	--
	08/27-28/98	Inaccessible	--	--	--	--	--	--	--	--	--	--
	11/10/98	Unable to locate		--	--	--	--	--	--	--	--	--
	02/17/99	**DESTROYED**		--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-15	04/12/95	1.92	4.39	--	--	--	--	--	--	--	--	--
6.31	04/13/95	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/13/95	3.25	3.06	--	--	--	--	--	--	--	--	--
	09/14/95[2]	--	--	--	61[5]	ND	ND	ND	ND	ND	--[7]	--
	02/22/96	Inacessible (buried under stockpiled soil)				--	--	--	--	--	--	--
	05/02/96	Inacessible (buried under stockpiled soil)				--	--	--	--	--	--	--
	08/01/96	Inacessible (buried under stockpiled soil)				--	--	--	--	--	--	--
	11/12/96	Inacessible (buried under stockpiled soil)				--	--	--	--	--	--	--
	02/26/97	3.88	2.43	--	ND	ND	ND	ND	ND	ND	--	--
	05/01/97	4.05	2.26	--	ND	ND	ND	ND	ND	ND	ND	--
	08/05/97	3.55	3.10	--	ND	ND	ND	ND	ND	ND	ND	--
	11/12/97	1.87	4.44	--	ND	ND	ND	ND	ND	ND	--	--
	05/21-22/98	3.72	2.59	--	ND	ND	ND	ND	ND	ND	--	--
	08/27-28/98	3.18	3.13	--	ND	ND	ND	ND	ND	ND	--	--
	11/10/98	Unable to locate		--	--	--	--	--	--	--	--	--
	02/17/99	Unable to locate		--	--	--	--	--	--	--	--	--
	05/26/99	Unable to locate		--	--	--	--	--	--	--	--	--
	08/17/99	3.76	2.55	--	ND	130	23	ND	ND	ND	ND	--
	11/15/99	4.23	2.08	--	--	--	--	--	--	--	--	--
	02/07/00	3.74	2.57	--	ND	ND	1.9	ND	ND	ND	ND	--
	05/22/00	7.97	-1.66	--	ND	ND	2.0	ND	ND	ND	ND	--
	08/08/00	5.31	1.00	--	ND	ND	8.4	ND	ND	ND	ND	--
	11/06/00	4.57	1.74	--	<50	<50	2.4	<0.5	<0.5	<0.5	<3.0	--
	02/14/01	5.72	0.59	--	<50	<50	6.90	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	6.21	0.10	--	<50	210	67	<0.50	<0.50	<0.50	<3.0	--
	02/13/02	4.61	1.70	--	<50	73	13	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	6.52	-0.21	--	<50	<50	3	<0.50	<0.50	<0.50	<3.0	--
	2/25-2/27/03	5.70	0.61	--	<50	<50	3	<0.50	<0.50	<0.50	<3.0	--
	8/12-8/14/03	5.55	0.76	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/17-2/19/04	2.44	3.87	--	82	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
	8/9-8/11/04	5.05	1.26	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
	2/21-24/05	3.13	3.18	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
10.61[53]	08/03/05	4.87	5.74	--	--	<50[54]	<0.50	<0.50	<0.50	<0.50	<5.0	--
MW-16	04/12/95	6.10	1.32	--	--	--	--	--	--	--	--	--
7.42	04/13/95	--	--	--	4,600[4]	25,000	2,900	1,100	580	4,000	--	--
	09/13/95	7.54	-0.12	--	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	3,000[5]	1,600	760	6.2	ND	ND	--[7]	--
	02/22/96	7.60	0.14**	0.42	Not sampled due to the prescence of free product					--	--	--
	05/02/96	7.82	-0.20**	0.27	Not sampled due to the prescence of free product					--	--	--
	08/01/96	7.59	-0.17	sheen	4,400[5]	1,500	550	ND	ND	10	--[9]	--
	11/12/96[13]	7.65	-0.23	0.00	--	--	--	--	--	--	--	--
	02/25/97	7.77	-0.35	0.00	5,800[5]	21,000	2,800	ND	910	2,400	--	--
	05/02/97	7.04	0.38	sheen	3,300[5]	9,800	2,500	98	250	860	ND	--
	08/05/97	7.87	-0.45	sheen	3,000	7,800	1,900	59	28	440	130/ND[17]	--
	11/11/97	6.23	1.19	sheen	5,700[5]	8,100	2,700	ND	ND	530	140	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-16	05/21-22/98	7.65	-0.23	0.00	6,100[19]	25,000[21]	5,200	160	340	740	58	--
cont'd	08/27-28/98	7.20	0.22	0.00	4,400[19]	12,000	5,000	84	ND[24]	770	540	--
7.42	11/10/98	5.78	1.64	0.00	45,000	15,000	2,600	89	260	1,200	180	--
	02/17/99	7.02	0.40	0.01	--	--	--	--	--	--	--	--
	05/24/99	7.03	0.39	0.00/sheen	--	--	--	--	--	--	--	--
	08/17/99	7.63	-0.21	0.00/sheen	--	--	--	--	--	--	--	--
	11/15/99	7.21	0.21	0.00/sheen	--	--	--	--	--	--	--	--
	02/07/00	7.25	0.17	0.00/heavy	--	--	--	--	--	--	--	--
	05/22/00	7.33	0.09	0.01/heavy	--	--	--	--	--	--	--	--
	08/08/00	6.80	0.62	0.00/heavy	--	--	--	--	--	--	--	--
	11/06/00	6.36	1.06	0.00/heavy	--	--	--	--	--	--	--	--
	02/14/01	7.50	-0.08	0.01/heavy	1,800[51]	16,000	4,500	110	250	517	<300	--
	08/20/01	7.89	-0.48	0.01/heavy	2,200	16,000	3,700	120	360	629	<300	--
	02/13/02	7.21	0.21	0.01/heavy	2,200	46,000	16,000	370	910	2,140	<400	--
	08/06/02	8.18	-0.76	0.0/heavy	Not sampled due to the prescence of free product							
	2/25-2/27/03	5.76	1.66	0.03/heavy	Not sampled due to the prescence of free product							
	8/12-8/14/03	8.48	-1.06	0.07	Not sampled due to the prescence of free product							
	2/17-2/19/04	7.62	-0.20	0.01	12,000	37,000	16,000	600	1,500	3,100	<400	--
	8/9-8/11/04	8.86	-1.15	0.34	--	--	--	--	--	--	--	--
	02/21/05	8.28	-0.86	0.15	Not sampled due to the prescence of free product					--	--	--
11.54[53]	08/01/05	8.07	3.64	0.20	Not sampled due to the prescence of free product							
MW-17	04/12/95	4.10	2.82	--	--	--	--	--	--	--	--	--
6.92	04/13/95	--	--	--	3,900[4]	2,800	810	ND	ND	8.0	--	--
	09/13/95	6.22	0.70	--	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	2,300[5]	2,400	680	ND	ND	ND	--[7]	--
	02/23/96	5.83	1.09	--	3,200	380	6.4	1.8	2.7	3.1	--	--
	05/02/96	6.36	0.71**	0.20	Not sampled due to the prescence of free product					--	--	--
	08/01/96	6.10	0.82	Sheen	6,000	26,000	4,900	360	950	4,100	--[9]	--
	11/12/96	7.94	-1.02	Sheen	6,600	7,400[3]	490	ND	ND	ND	--	--
	02/25/97	6.10	0.82	Sheen	10,000	5,000[12]	370	ND	ND	ND	--	--
	05/02/97	7.99	-1.07	Sheen	12,000	2,300[12]	400	ND	ND	ND	ND	--
	08/06/97	8.08	-1.16	Sheen	5,200	520[12]	68	ND	ND	ND	150/150[17]	--
	11/11/97	4.55	2.37	--	3,600	460[12]	49	ND	2.5	ND	120	--
	05/21-22/98	6.01	0.91	--	7,500[19]	550[22]	40	0.64	ND	ND	31	--
	08/27-28/98	6.85	0.07	--	4,700	370[26]	20	ND[24]	ND[24]	ND[24]	57	--
	11/10/1998	5.86	1.06	--	770	1,600	240	3.7	3.1	1.4	68	--
	2/24/1999	6.44	0.48	0.00/Sheen	19,000	1,700	230	ND	ND	ND	73	--
	5/26/1999	5.61	1.31	0.00/Sheen	1,800	1,000	200	ND	ND	ND	45	--
	8/17/1999	6.89	0.03	0.00/Sheen	--	--	--	--	--	--	--	--
	11/15/99	5.66	1.26	0.00/light	1,100	230	200	0.99	ND	3.7	60	--
	02/07/00	5.43	1.49	0.00/light	--	--	--	--	--	--	--	--
	5/22/2000[49]	7.88	-0.96	0.00/sheen	2,200[40]	1,100[44]	220	ND	ND	ND	39	--
	08/08/00	6.49	0.43	0.00/sheen	--	--	--	--	--	--	--	--
	11/06/00	6.36	0.56	--	4,800	1,100	150	<5.0	<5.0	<5.0	40	--
	02/14/01	6.49	0.43	0.00/sheen	13,000	2,400	140	<5.0	<3.0	<3.0	81	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-17	08/20/01	8.40	-1.48	0.00/sheen	3,300	1,400	180	<6.0	<2.0	<3.0	<80	--
cont'd	02/13/02	5.56	1.36	0.00/sheen	11,000	1,900	110	<8.6	<2.0	<3.2	<150	--
6.92	08/06/02	7.23	-0.31	0.00/Sheen	4,700	1,100	93	<5.5	<1.6	1.3	37	--
	2/25-2/27/03	4.04	2.88	--	16,000	1,300	49	<8.0	<3.0	<5.0	29	--
	8/12-8/14/03	7.71	-0.79	--	6,300	380	36	<1.6	<0.50	<0.50	<3.0	--
	2/17-2/19/04	3.02	3.90	--	6,300	160	31	<0.50	<0.50	<1.0	<2.0	--
	08/09/04	6.22	0.70	0.70/sheen	2,900	110	21	<0.50	<0.50	<0.50	<5.0	--
	2/21-23/05	4.02	2.90	0.00/Sheen	3,300	130	16	<0.50	<0.50	<0.50	<5.0	--
11.06[53]	08/02/05	7.27	3.79	0.00/Sheen	1,200	73[54]	11	<0.50	<0.50	<0.50	<5.0	--
MW-18	04/12/95	7.55	-1.19	--	--	--	--	--	--	--	--	--
6.36	04/13/95	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/14/95	Inaccessible	--	--	--	--	--	--	--	--	--	--
	02/22/96	Inacessible (buried under lumber)			--	--	--	--	--	--	--	--
	05/02/96	Inacessible (buried under lumber)			--	--	--	--	--	--	--	--
	08/01/96	Inacessible (buried under lumber)			--	--	--	--	--	--	--	--
	11/12/96	Inacessible (buried under lumber)			--	--	--	--	--	--	--	--
	02/25/97	Inacessible (buried under lumber)			--	--	--	--	--	--	--	--
	05/01/97	**DISCONTINUE**	--	--	--	--	--	--	--	--	--	--
MW-19	04/12/95	6.38	3.46	--	--	--	--	--	--	--	--	--
9.84	04/13/95	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/13/95	7.48	2.36	--	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	ND	ND	ND	ND	ND	ND	--[7]	--
	02/22/96	6.38	3.46	--	270	ND	ND	ND	ND	ND	--	--
	05/02/96	6.52	3.32	--	ND	ND	ND	ND	ND	ND	--	ND
	08/01/96	6.48	3.36	--	Sampled semi-annually		--	--	--	--	--	--
	11/12/96	6.74	3.10	--	80[5]	ND	ND	ND	ND	ND	--	--
	02/25/97	6.70	3.14	--	--	--	--	--	--	--	--	--
	05/01/97[15]	6.68	3.16	--	--	--	--	--	--	--	--	--
	08/06/97	7.20	2.64	--	ND	--	--	--	--	--	--	--
	11/11/97	6.05	3.79	--	--	--	--	--	--	--	--	--
	05/21-22/98	5.95	3.89	--	180[19]	--	--	--	--	--	--	--
	08/27-28/98	7.55	2.29	--	210	--	--	--	--	--	--	--
	11/10/98	6.60	3.24	--	440	--	--	--	--	--	--	--
	02/24/99	5.69	4.15	--	69[38]	--	--	--	--	--	--	--
	5/26/1999	7.01	2.83	--	--	--	--	--	--	--	--	--
	08/17/99	7.51	2.33	--	ND	--	--	--	--	--	--	--
	11/15/99	6.84	3.00	--	--	--	--	--	--	--	--	--
	02/07/00	5.45	4.39	--	--	--	--	--	--	--	--	--
	05/22/00	7.13	2.71	--	--	--	--	--	--	--	--	--
	08/08/00	7.46	2.38	--	ND	--	--	--	--	--	--	--
	11/06/00	7.05	2.79	--	--	--	--	--	--	--	--	--
	2/13/2001	6.55	3.29	--	<50	--	--	--	--	--	--	--
	8/20/2001	7.42	2.42	--	<50	--	--	--	--	--	--	--
	2/12/2002	6.04	3.80	--	<50	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-19	08/06/02	7.57	2.27	--	<50	--	--	--	--	--	--	--
cont'd	2/25-2/27/03	5.64	4.20	--	56	--	--	--	--	--	--	--
9.84	8/12-8/14/03	7.9	1.94	--	160	--	--	--	--	--	--	--
	2/17-2/19/04	4.9	4.94	--	120	--	--	--	--	--	--	--
	8/9-8/11/04	7.55	2.29	--	--	--	--	--	--	--	--	--
	2/21-23/05	5.65	4.19	--	100	--	--	--	--	--	--	--
MW-20	04/12/95	4.90	2.43	--	--	--	--	--	--	--	--	--
7.33	04/13/95	--	--	--	210[4]	ND	ND	ND	ND	ND	--	--
	09/13/95	7.16	0.17	--	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	630[5]	320	9.5	1.4	ND	2.8	--[7]	--
	02/22/96	6.03	1.30	--	420	ND	ND	ND	ND	ND	--	--
	05/02/96	5.98	1.35	--	ND	ND	ND	ND	ND	ND	--	ND
	08/01/96	6.10	1.23	--	Sampled semi-annually		--	--	--	--	--	--
	11/12/96	6.11	1.22	--	ND	ND	ND	ND	ND	ND	--	--
	02/25/97	6.36	0.97	--	--	--	--	--	--	--	--	--
	05/01/97[15]	7.26	0.07	--	--	--	--	--	--	--	--	--
	08/05/97	7.60	-0.27	--	--	--	--	--	--	--	--	--
	08/06/97	--	--	--	ND	--	--	--	--	--	--	--
	11/11/97	4.92	2.41	--	--	--	--	--	--	--	--	--
	05/21-22/98	6.38	0.95	--	430[19]	--	--	--	--	--	--	--
	08/27-28/98	7.43	-0.10	--	190	--	--	--	--	--	--	--
	11/10/98	5.13	2.20	--	190	--	--	--	--	--	--	--
	02/24/99	3.66	3.67	--	420[28]	--	--	--	--	--	--	--
	05/26/99	5.74	1.59	--	--	--	--	--	--	--	--	--
	08/17/99	7.20	0.13	--	220	--	--	--	--	--	--	--
	11/15/99	4.63	2.70	--	--	--	--	--	--	--	--	--
	02/07/00	4.24	3.09	--	ND	--	--	--	--	--	--	--
	05/22/00	6.79	0.54	--	--	--	--	--	--	--	--	--
	08/08/00	6.80	0.53	--	140 [51,46]	--	--	--	--	--	--	--
	11/06/00	5.68	1.65	--	--	--	--	--	--	--	--	--
	02/13/01	4.08	3.25	--	<50	--	--	--	--	--	--	--
	08/20/01	5.05	2.28	--	<50	--	--	--	--	--	--	--
	02/12/02	2.56	4.77	--	<50	--	--	--	--	--	--	--
	08/06/02	4.93	2.40	--	150	--	--	--	--	--	--	--
	2/25-2/27/03	3.94	3.39	--	--	--	--	--	--	--	--	--
	8/12-8/14/03	4.77	2.56	--	110	--	--	--	--	--	--	--
	2/17-2/19/04	0.99	6.34	--	710	--	--	--	--	--	--	--
	8/9-8/11/04	4.94	2.39	--	--	--	--	--	--	--	--	--
	2/21-22/05	2.46	4.87	--	350	--	--	--	--	--	--	--
MW-21	04/12/95	4.10	2.34	--	--	--	--	-	--	--	--	--
6.44	04/13/95	--	--	--	190	3,600[3]	14	ND	ND	ND	--	--
	09/14/95	**DESTROYED**	--	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-22	04/12/95	7.85	-1.26	--	--	--	--	--	--	--	--	--
6.59	04/13/95	--	--	--	75	ND	ND	ND	ND	ND	--	--
	09/13/95	8.51	-1.92	--	--	--	--	--	--	--	--	--
	09/14/95	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	02/22/96	5.47	1.12	--	130[4]	ND	ND	ND	ND	ND	--	--
	05/02/96	6.12	0.47	--	ND	--	ND	ND	ND	ND	--	ND
	08/01/96	6.45	0.14	--	Sampled semi-annually		--	--	--	--	--	--
	11/12/96	INACCESSIBLE - COVERED BY PILES OF DEBRIS				--	--	--	--	--	--	--
	02/25/97	INACCESSIBLE - COVERED BY PILES OF DEBRIS				--	--	--	--	--	--	--
	05/01/97[16]	INACCESSIBLE (FENCED IN)		--	--	--	--	--	--	--	--	--
	08/06/97	5.15	1.44	--	88[4]	--	--	--	--	--	--	--
	11/11/97	3.62	2.97	--	--	--	--	--	--	--	--	--
	05/21-22/98	5.30	1.29	--	ND	--	--	--	--	--	--	--
	08/27-28/98	5.46	1.13	--	ND	--	--	--	--	--	--	--
	11/10/98	5.23	1.36	--	24,000	--	--	--	--	--	--	--
	02/25/99	3.97	2.62	--	110[36]	--	--	--	--	--	--	--
	05/26/99	4.94	1.65	--	--	--	--	--	--	--	--	--
	08/17/99	5.66	0.93	--	ND	--	--	--	--	--	--	--
	11/15/99	4.90	1.69	--	--	--	--	--	--	--	--	--
	2/7/2000[46]	3.49	3.10	--	ND	--	--	--	--	--	--	--
	05/22/00	7.42	-0.83	--	--	--	--	--	--	--	--	--
	08/08/00	5.48	1.11	--	82[52,46]	--	--	--	--	--	--	--
	11/06/00	5.35	1.24	--	--	--	--	--	--	--	--	--
	02/14/01	6.13	0.46	--	79[51]	--	--	--	--	--	--	--
	08/20/01	4.79	1.80	--	<50	--	--	--	--	--	--	--
	02/12/02	4.46	2.13	--	<50	--	--	--	--	--	--	--
	08/06/02	6.74	-0.15	--	58	--	--	--	--	--	--	--
	2/25-2/27/03	4.93	1.66	--	<50	--	--	--	--	--	--	--
	8/12-8/14/03	6.70	-0.11	--	100	--	--	--	--	--	--	--
	2/17-2/19/04	1.87	4.72	--	80	--	--	--	--	--	--	--
	8/9-8/11/04	5.27	1.32	--	--	--	--	--	--	--	--	--
	2/21-22/05	3.34	3.25	--	140	--	--	--	--	--	--	--
MW-23	09/13/95	2.80	3.21	--	--	--	--	--	--	--	--	--
6.01	09/14/95	--	--	--	2,000[5]	170[12]	2.2	1.1	ND	ND	--[7]	--
	02/23/96	2.22	3.79	--	560[4]	2,700	34	ND	ND	ND	--[9]	--
	05/02/96	2.86	3.15	--	76	650	2.5	1.9	ND	1.2	--	ND
	08/01/96	2.58	3.43	--	490	320[3]	2.7	3.8	ND	ND	--[9]	--
	11/12/96	2.45	3.56	--	370[5]	70[3]	5.2	1.7	ND	0.55	--	--
	02/26/97	1.78	4.23	--	670[5]	ND	2.2	1.0	ND	ND	--	--
	05/02/97	1.65	4.36	--	--	--	--	--	--	--	--	--
	08/06/97	2.61	3.40	--	490	ND	2.5	0.93	ND	ND	770/38[17]	--
	11/11/97	2.13	3.88	--	--	--	--	--	--	--	--	--
	05/21-22/98	1.66	4.35	--	830[19]	760	2.6	ND	ND	ND	16	--
	08/27-28/98	2.65	3.36	--	620	ND[24]	4.4	ND[24]	ND[24]	ND[24]	690	--
	11/10/1998	**DESTROYED**	--	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-24	09/13/95	4.28	2.03	--	--	--	--	--	--	--	--	--
6.31	09/14/95	--	--	--	290[5]	ND	ND	0.63	ND	ND	--[7]	--
	02/23/96	6.58	-0.27	--	150	ND	ND	ND	ND	ND	--	--
	05/02/96	6.95	-0.64	--	58[4]	ND	ND	ND	ND	ND	--	ND
	08/01/96	5.67	0.64	--	300	94[12]	22	0.74	0.5	3.4	--	--
	11/13/96	7.08	-0.77	--	480[5]	79	21	0.76	0.54	4.6	--	--
	02/26/97	4.99	1.32	--	320[5]	ND	1.3	1.1	ND	ND	--	--
	05/02/97	7.39	-1.08	--	--	--	--	--	--	--	--	--
	08/06/97	5.41	0.90	--	480[4]/200[4,18]	58	3.3	ND	ND	2.8	25/27[17]	--
	11/11/97	4.03	2.28	--	--	--	--	--	--	--	--	--
	05/21-22/98	5.45	0.86	--	750[19]	ND	1.2	ND	ND	ND	3.8	--
	08/27-28/98	6.47	-0.16	--	630[27]	ND	1.6	ND	ND	1.4	15	--
	11/10/98	5.15	1.16	--	880	4,600	ND	ND	ND	ND	ND	--
	02/23/99	3.41	2.90	--	ND	ND	ND	ND	ND	ND	ND	--
	05/26/99	5.65	0.66	--	--	--	--	--	--	--	--	--
	08/17/99	6.82	-0.51	--	ND	ND	ND	ND	ND	ND	ND	--
	11/15/99	4.69	1.62	--	--	--	--	--	--	--	--	--
	02/07/00	4.27	2.04	--	ND	ND	ND	ND	ND	ND	ND	--
	05/22/00	8.33	-2.02	--	--	--	--	--	--	--	--	--
	08/08/00	6.39	-0.08	--	ND	ND	ND	ND	ND	ND	ND	--
	11/06/00	5.76	0.55	--	--	--	--	--	--	--	--	--
	02/15/01	7.10	-0.79	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	5.20	1.11	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	02/14/02	5.86	0.45	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	7.69	-1.38	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/25-2/27/03	4.01	2.30	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	8/12-8/14/03	2.49	3.82	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/17-2/19/04	2.73	3.58	--	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
	8/9-8/11/04	5.96	0.35	--	--	--	--	--	--	--	--	--
	2/21-22/05	3.72	2.59	--	<50	<50	--	--	--	--	--	--
10.51[53]	08/01/05	6.87	3.64	--								
MW-25	09/13/95	7.62	-1.51	--	--	--	--	--	--	--	--	--
6.11	09/14/95[6]	--	--	--	1,200[5]	110	ND	ND	ND	2.9	--	--
	02/23/96	6.30	-0.19	--	310	ND	ND	ND	ND	ND	--	--
	05/02/96	6.84	-0.73	--	65	ND	ND	ND	ND	ND	--	ND
	08/01/96	6.22	-0.11	--	310	ND	ND	ND	ND	ND	--	--
	11/13/96	5.94	0.17	--	2,900[5]	88[3]	ND	ND	ND	0.50	--	--
	02/25/97	5.51	0.60	--	530[5]	ND	ND	0.68	ND	ND	--	--
	05/02/97	7.01	-0.90	--	470[5]	--	--	--	--	--	--	--
	08/05/97	7.12	-1.01	--	ND/110[5,18]	--	ND	ND	ND	ND	ND	--
	11/12/97	4.30	1.81	--	200[4]	--	--	--	--	--	--	--
	05/21-22/98	7.75	-1.64	--	620[23]	--	ND	ND	ND	ND	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-25	08/27-28/98	5.22	0.89	--	820[28]	ND	ND	ND	ND	ND	--	--
cont'd	11/10/1998	4.98	1.13	--	720	--	ND	ND	ND	ND	--	--
6.11	2/23/1999	4.36	1.75	--	930[34]	--	ND	ND	ND	ND	--	--
	5/26/1999	6.41	-0.23	--	--	--	--	--	--	--	--	--
	8/17/1999	5.94	0.24	--	ND	--	ND	ND	ND	ND	ND	--
	11/15/1999	4.81	1.37	--	--	--	--	--	--	--	--	--
	2/7/00 [46]	4.61	1.57	--	ND	--	ND	ND	ND	ND	ND	--
	05/22/00	6.46	-0.28	--	--	--	--	--	--	--	--	--
	08/08/00	5.63	0.55	--	170 [51,46]	--	ND	ND	ND	ND	ND	--
	11/06/00	5.24	0.94	--	--	--	--	--	--	--	--	--
	02/14/01	6.25	-0.07	--	110[51]	--	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	6.98	-0.80	--	<50	--	<0.50	<0.50	<0.50	<0.50	<3.0	--
	02/13/02	4.91	1.27	--	82	--	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	6.88	-0.70	--	70	--	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/25-2/27/03	4.00	2.18	--	150	--	--	--	--	--	--	--
	8/12-8/14/03	6.66	-0.48	--	170	--	--	--	--	--	--	--
	2/17-2/19/04	3.51	2.67	--	230	--	--	--	--	--	--	--
	8/9-8/11/04	5.68	0.43	--	--	--	--	--	--	--	--	--
	2/21-24/05	3.87	2.24	--	190	--	--	--	--	--	--	--
10.26[53]	08/01/05	5.98	4.28	--	--	--	--	--	--	--	--	--
MW-26	11/12/96	7.02	0.71**	0.97	Not sampled due to the prescence of free product							
7.00	02/25/97	7.79	-0.21**	0.78	Not sampled due to the prescence of free product							
	05/01/97	6.54	0.72**	0.34	Not sampled due to the prescence of free product							
	08/05/97	8.20	-0.93**	0.36	Not sampled due to the prescence of free product							
	11/11/97	7.21	0.09**	0.40	Not sampled due to the prescence of free product							
	05/21-22/98	7.70	-0.58**	0.16	Not sampled due to the prescence of free product							
	08/27-28/98	7.90	-0.80**	0.13	Not sampled due to the prescence of free product							
	11/10/98	7.98	0.18**	1.55	Not sampled due to the prescence of free product							
	02/17/99	6.73	0.29**	0.02	Not sampled due to the prescence of free product							
	05/24/99	6.39	0.62**	0.01	Not sampled due to the prescence of free product							
	08/17/99	6.34	0.66**	0.03	Not sampled due to the prescence of free product							
	11/15/99	5.83	1.17**	0.14/light	Not sampled due to the prescence of free product							
	02/07/00	6.16	0.84**	0.00/light	Not sampled due to the prescence of free product							
	05/22/00	7.75	-0.75**	0.08/Heavy	Not sampled due to the prescence of free product							
	08/08/00	6.64	0.36**	0.09/Heavy	Not sampled due to the prescence of free product							
	11/06/00	6.75	0.25**	0.33/light	Not sampled due to the prescence of free product							
	02/12/01	6.01	0.99**	0.29/moderate	Not sampled due to the prescence of free product							
	08/20/01	8.11	-1.11**	0.14/mod	Not sampled due to the prescence of free product							
	02/11/02	5.80	1.20**	0.08/moderate	Not sampled due to the prescence of free product							
	08/06/02	7.02	0.53**	0.51/heavy	Not sampled due to the prescence of free product							
	2/25-2/27/03	7.66	-0.66**	0.93/heavy	Not sampled due to the prescence of free product							
	8/12-8/14/03	9.12	-0.55**	1.57	Not sampled due to the prescence of free product							
	2/17-2/19/04	7.31	2.39**	3.60	Not sampled due to the prescence of free product							
	8/9-8/11/04	6.73	0.26**	0.11/sheen	Not sampled due to the prescence of free product							
	2/21-24/05	4.55	2.45	0.00/sheen	3,700	4,500	750	<5.0	98	94	<50	--
11.12[53]	08/03/05	6.70	4.42	0.00/sheen	3,200	5,600[54]	970	42	99	160	<100	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-27	11/12/96	6.88	0.25**	0.04	Not sampled due to the prescence of free product							
7.10	02/25/97	7.42	-0.31**	0.01	Not sampled due to the prescence of free product							
	05/01/97	6.83	0.28**	0.01	Not sampled due to the prescence of free product							
	08/05/97	8.03	-0.92**	0.01	Not sampled due to the prescence of free product							
	11/11/97	7.10	0.01**	0.01	Not sampled due to the prescence of free product							
	05/21-22/98	7.25	-0.15	<0.01	24,000[19]	ND	ND	ND	ND	ND	6.7	--
	08/27-28/98	6.78	0.33**	0.02	20,000[29]	75[26]	ND	ND	0.66	ND	5.4	--
	11/10/98	9.13	0.02**	2.73	Not sampled due to the prescence of free product							
	02/17/99	Product too thick to measure			Not sampled due to the prescence of free product							
	05/26/99	6.71	0.41**	0.02	Not sampled due to the prescence of free product							
	08/17/99	6.89 (DTL)	--	Black	Not sampled due to the prescence of free product							
	11/15/99	6.04	1.06	0.00/Black	Not sampled due to the prescence of free product							
	02/07/00	6.57	0.53	0.00/black	Not sampled due to the prescence of free product							
	05/22/00	7.29	-0.19	0.01	Not sampled due to the prescence of free product							
	08/08/00	6.58	0.52	0.00/Heavy	Not sampled due to the prescence of free product							
	11/06/00	6.14	0.96	0.00/Heavy	Not sampled due to the prescence of free product							
	02/12/01	6.82	0.28	0.00/heavy	Not sampled due to the prescence of free product							
	08/20/01	7.52	-0.42	0.00/heavy	Not sampled due to the prescence of free product							
	02/11/02	6.75	--	0.00/heavy	Not sampled due to the prescence of free product							
	08/06/02	7.58	-0.48	0.00/heavy	Not sampled due to the prescence of free product							
	2/25-2/27/03	6.08	1.02	0.00/heavy	Not sampled due to the prescence of free product							
	8/12-8/14/03	7.79	-0.69	0.00/heavy	Not sampled due to the prescence of free product							
	2/17-2/19/04	5.69	--	th/heavy	Not sampled due to the prescence of free product							
	8/9-8/11/04	7.37	-0.27	0.38/sheen	Not sampled due to the prescence of free product							
	2/21-24/05	5.00	2.10	0.00/sheen	6,100	4,300	1,000	<10	77	220	<100	--
MW-28	11/12/96	7.28	0.38**	0.75	Not sampled due to the prescence of free product							
7.10	02/25/97	8.60	-0.28**	1.63	Not sampled due to the prescence of free product							
	05/01/97	7.30	0.65**	1.13	Not sampled due to the prescence of free product							
	08/05/97	8.48	-0.84**	0.72	Not sampled due to the prescence of free product							
	11/11/97	7.50	0.46**	1.14	Not sampled due to the prescence of free product							
	05/21-22/98	7.91	-0.62**	0.25	Not sampled due to the prescence of free product							
	08/27-28/98	7.02	0.16**	0.11	Not sampled due to the prescence of free product							
	11/10/98	7.98	0.48**	1.81	Not sampled due to the prescence of free product							
	02/17/99	7.03	0.15**	0.11	Not sampled due to the prescence of free product							
	05/26/99	6.92	0.18**	0.00	Not sampled due to the prescence of free product							
	08/17/99	6.70	0.40**	0.00/Clear	Not sampled due to the prescence of free product							
	11/15/99	7.56	-0.46	1.66/Black	Not sampled due to the prescence of free product							
	02/07/00	6.14	0.96	0.00/light	Not sampled due to the prescence of free product							
	05/22/00	7.64	-0.54	0.04	Not sampled due to the prescence of free product							
	08/08/00	6.96	0.14	0.49/Brown	Not sampled due to the prescence of free product							
	11/06/00	7.53	0.43	1.61/light	Not sampled due to the prescence of free product							
	02/12/01	6.73	0.37	0.36/moderate	Not sampled due to the prescence of free product							
	08/20/01	7.61	-0.51	1.37/light	Not sampled due to the prescence of free product							
	02/11/02	6.19	0.91	0.10/moderate	Not sampled due to the prescence of free product							

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-28	08/06/02	7.50	-0.40	0.00/heavy	Not sampled due to the prescence of free product							
cont'd	2/25-2/27/03	7.89	-0.79	1.23/heavy	Not sampled due to the prescence of free product							
7.10	8/12-8/14/03	9.26	-2.16**	1.81	Not sampled due to the prescence of free product							
	2/17-2/19/04	7.80	2.63**	4.44	Not sampled due to the prescence of free product							
	8/9-8/11/04	7.25	-0.15	0.19	Not sampled due to the prescence of free product							
	02/21/05	5.09	2.01**	0.06/sheen	Not sampled due to the prescence of free product							
MW-29	11/12/96	5.84	2.27	--	--	--	--	--	--	--	--	--
8.11	11/13/96	--	--	--	340[5]	ND	ND	ND	ND	ND	--	--
	02/25/97	--	--	--	130	ND	ND	0.76	ND	0.51	--	--
	02/26/97	8.31	-0.20	--	--	--	--	--	--	--	--	--
	05/01/97	10.72	-2.61	--	--	--	--	--	--	--	--	--
	08/05/97	8.18	-0.07	--	ND/ND[18]	ND	ND	ND	ND	ND	ND	--
	11/11/97	6.36	1.75	--								
	11/12/97	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	05/21-22/98	6.03	2.08	--	200[19]	ND	ND	ND	ND	ND	--	--
	08/27-28/98	7.68	0.43	--	140[30]	ND	ND	ND	ND	ND	--	--
	11/10/98	5.75	2.36	--	150	ND	ND	ND	ND	ND	--	--
	02/23/99	5.93	2.18	--	ND	ND	ND	ND	ND	ND	--	--
	05/27/99	7.46	0.65	--	ND	ND	ND	ND	ND	ND	ND	--
	08/17/99	9.16	-1.05	--	ND	ND	ND	ND	ND	ND	ND	--
	11/15/99	6.34	1.77	--	ND	ND	ND	ND	ND	ND	ND	--
	02/07/00	5.28	2.83	--	ND	ND	ND	ND	ND	ND	ND	--
	05/22/00	10.30	-2.19	--	ND	ND	ND	ND	ND	ND	ND	--
	08/08/00	7.99	0.12	--	ND	ND	ND	ND	ND	ND	ND	--
	11/06/00	6.65	1.46	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<3.0	--
	02/15/01	9.57	-1.46	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	7.89	0.22	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	02/14/02	9.40	-1.29	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	10.42	-2.31	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/25-2/27/03	5.81	2.31	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	8/12-8/14/03	10.68	-2.57	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/17-2/19/04	4.14	3.97	--	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
	8/9-8/11/04	7.49	0.62	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
	2/21-22/05	5.10	3.01	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
12.24[53]	08/02/05	8.78	3.46	--	<50	<50[54]	<0.50	<0.50	<0.50	<0.50	<5.0	--
MW-30	11/10/98	4.29	1.61	--	930	180	ND	ND	ND	ND	ND	--
5.90	02/25/99	3.04	2.86	--	55[30]	60[33]	ND	ND	ND	ND	14	--
	05/27/99	5.26	0.64	--	--	--	--	--	--	--	--	--
	08/17/99	5.69	0.21	--	--	--	--	--	--	--	--	--
	11/15/99	4.74	1.16	--	--	--	--	--	--	--	--	--
	02/07/00	3.50	2.40	--	--	--	--	--	--	--	--	--
	05/22/00	5.90	0.00	--	--	--	--	--	--	--	--	--
	08/08/00	5.27	0.63	--	--	--	--	--	--	--	--	--
	11/06/00	5.04	0.86	--	--	--	--	--	--	--	--	--
	02/13/01	5.10	0.80	--	--	--	--	--	--	--	--	--
	08/20/01	5.67	0.23	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-30	02/12/02	4.53	1.37	--	--	--	--	--	--	--	--	--
cont'd	08/06/02	5.44	0.46	--	--	--	--	--	--	--	--	--
5.90	2/25-2/27/03	3.26	2.64	--	--	--	--	--	--	--	--	--
	8/12-8/14/03	5.18	0.72	--	--	--	--	--	--	--	--	--
	2/17-2/19/04	2.15	3.75	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	5.53	0.37	--	--	--	--	--	--	--	--	--
	2/21-23/05	2.89	3.01	--	--	--	--	--	--	--	--	--
MW-31	11/10/98	3.29	4.12	--	1,800	150	0.66	ND	0.88	ND	5.2	--
7.41	02/25/99	2.52	4.89	--	2,000[37]	79	1.5	ND	ND	ND	78	--
	05/27/99	3.55	3.86	--	120	ND	1.2	ND	ND	ND	ND	--
	08/17/99	4.07	3.34	--	52	ND	0.91	ND	ND	ND	9.4	--
	11/15/99	3.68	3.73	--	400	ND	0.71	ND	ND	ND	ND	--
	02/07/00	2.83	4.58	--	68 [40,45]	ND	ND	ND	ND	ND	ND	--
	05/22/00	3.38	4.03	--	130 [40]	ND	ND	ND	ND	ND	ND	--
	08/08/00	3.99	3.42	--	120 [51,46]	ND	ND	ND	ND	ND	ND	--
	11/06/00	3.54	3.87	--	360	<50	<5.0	<5.0	<5.0	<5.0	<6.0	--
	02/13/01	2.66	4.75	--	86[51]	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	3.60	3.45	--	67	<50	<0.50	<0.50	<0.50	<0.50	11	--
	02/12/02	2.99	4.52	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	4.04	3.37	--	80	<50	<0.50	<0.50	<0.50	<0.50	3.6	--
	2/25-2/27/03	2.72	4.69	--	220	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	8/12-8/14/03	3.76	3.65	--	180	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/17-2/19/04	1.48	5.93	--	600	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
	8/9-8/11/04	3.89	3.52	--	690	--	--	--	--	--	--	--
	2/21-23/05	2.46	4.95	--	440	--	--	--	--	--	--	--
10.92[53]	08/02/05	3.41	7.51	--	390	--	--	--	--	--	--	--
MW-32	11/10/98	3.00	3.43	--	2,000	58	ND	ND	ND	ND	ND	--
6.43	02/25/99	2.55	3.88	--	1,400[39]	120	ND	ND	ND	ND	6.2	--
	05/27/99	3.17	3.26	--	570	ND	ND	ND	ND	ND	ND	--
	08/17/99	4.03	2.40	--	710	ND	ND	ND	ND	ND	ND	--
	11/15/99	3.21	3.22	--	350	ND	ND	ND	ND	ND	ND	--
	2/7/00[43]	2.71	3.72	--	300[40,45]	63 [44]	ND	ND	ND	ND	ND	--
	5/22/00 [50]	3.21	3.22	--	590 [40]	66 [44]	ND	ND	ND	ND	ND	--
	08/08/00	4.29	2.14	--	540 [51,46]	480 [44]	0.69	ND	ND	ND	110	--
	11/06/00	3.34	3.09	--	1,200	2,000	1.0	<0.5	<0.5	<0.5	380	--
	02/13/01	2.72	3.71	0.00/sheen	2,300[51]	770	0.72	<0.50	<0.50	<0.50	230	--
	08/20/01	4.10	2.33	--	980	480	0.55	<0.50	<0.50	<0.50	<3.0	--
	02/12/02	2.79	3.64	--	180	300	<0.50	<0.50	<0.50	<0.50	<200	--
	08/06/02	4.03	2.40	--	1,300	140	<0.50	<0.50	<0.50	<0.50	<55	--
	2/25-2/27/03	2.95	3.48	--	1,500	130	<0.50	<0.50	<0.50	<0.50	<50	--
	8/12-8/14/03	4.14	2.29	--	970	350	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/17-2/19/04	2.23	4.20	--	2,600	110	0.58	<0.50	<0.50	<1.0	<2.0	--
	8/9-8/11/04	3.86	2.57	0.00/sheen	1,500	62	--	--	--	--	<5.0	--
	2/21-23/05	2.77	3.66	0.00/sheen	1,400	51	--	--	--	--	<5.0	--
10.57[53]	08/02/05	3.31	7.26	--	2,700	<50[54]	--	--	--	--	<5.0	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-33	11/10/98	3.69	3.12	--	1,500	56	3.5	ND	ND	ND	ND	--
6.81	02/25/99	2.40	4.41	--	250[28]	ND	1.1	ND	ND	ND	ND	--
	05/27/99	3.53	3.28	--	60	ND	0.9	ND	ND	ND	ND	--
	08/17/99	6.84	-0.03	--	ND	ND	ND	ND	ND	ND	ND	--
	11/15/99	6.42	0.39	--	ND	ND	ND	ND	ND	ND	ND	--
	02/07/00	1.50	5.31	--	--	ND	ND	ND	ND	ND	ND	--
	05/22/00	3.18	3.63	--	82[40]	ND	ND	ND	ND	ND	ND	--
	08/08/00	3.94	2.87	--	--	ND	ND	ND	ND	ND	ND	--
	11/06/00	6.87	0.06	--	50	<50	<0.5	<0.5	<0.5	<0.5	<3.0	--
	02/13/01	4.16	2.65	0.00/sheen	--	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/20/01	7.20	-0.39	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	02/12/02	3.51	3.30	--	--	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	08/06/02	4.14	2.67	--	--	<50	<0.50	<0.50	<0.50	1.32	<3.0	--
	2/25-2/27/03	1.84	4.97	--	--	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	8/12-8/14/03	3.65	3.16	--	--	<50	<0.50	<0.50	<0.50	<0.50	<3.0	--
	2/17-2/19/04	2.33	4.48	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--
	8/9-8/11/04											
	2/21-23/05	1.83	4.98	--	230	--	--	--	--	--	--	--
MW-34	10/17/02	--	--	--	380	1,300	8.1	<20	20	33	9.3	--
7.56	2/25-2/27/03	5.20	--	--	1,900	3,400	7.8	<45	23	15	<8.0	--
	8/12-8/14/03	8.05	-0.49	--	1,000	1,200	5.2	<3.6	<8.0	<17	5.9	--
	2/17-2/19/04	3.70	3.86	--	2,400	550	1.1	<0.50	<0.50	<1.0	2.3	--
	08/09/04	7.07	0.49	--	--	90	0.79	<0.50	<0.50	<1.0	5.6	--
	2/21-23/05	4.90	2.66	0.00/sheen	2,500	380	2.6	<0.50	1.5	1.3	<5.0	--
11.69[53]	08/01/05	7.47	4.22	--		--	--	--	--	--	--	--
P-20	02/09/95	8.63	0.14	0.00	--	--	--	--	--	--	--	--
8.77	04/12/95	6.63	2.14	0.00	--	--	--	--	--	--	--	--
	04/13/95	--	--	--	370[4]	78	0.72	0.63	ND	0.98	--	--
	09/13/95	7.36	1.41	0.00	--	--	--	--	--	--	--	--
	02/22/96	8.42	0.35	0.00	--	--	--	--	--	--	--	--
	05/01/96	7.97	0.80	0.00	--	--	--	--	--	--	--	--
	08/01/96	7.80	0.97	0.00	--	--	--	--	--	--	--	--
	11/12/96	7.18	1.59	0.00	--	--	--	--	--	--	--	--
	02/25/97	8.74	0.03	0.00	--	--	--	--	--	--	--	--
	05/01/97	7.24	1.53	0.00	--	--	--	--	--	--	--	--
	08/06/97	9.23	-0.46	0.00	--	--	--	--	--	--	--	--
	11/11/97	6.74	2.03	0.00	--	--	--	--	--	--	--	--
	05/21-22/98	7.94	0.83	0.00	--	--	--	--	--	--	--	--
	08/27-28/98	8.54	0.23	0.00	--	--	--	--	--	--	--	--
	11/10/98	7.28	1.49	0.00	--	--	--	--	--	--	--	--
	02/17/99	5.78	2.99	0.00	--	--	--	--	--	--	--	--
	05/25/99	8.34	0.43	0.00	--	--	--	--	--	--	--	--
	08/17/99	8.23	0.54	0.00	--	--	--	--	--	--	--	--
	11/15/99	6.95	1.82	0.00	--	--	--	--	--	--	--	--
	02/07/00	6.65	2.12	0.00	--	--	--	--	--	--	--	--
	05/22/00	8.09	0.68	0.00	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
P-20	08/08/00	7.95	0.82	0.00	--	--	--	--	--	--	--	--
cont'd	11/06/00	7.57	1.20	--	--	--	--	--	--	--	--	--
8.77	02/12/01	6.53	2.24	--	--	--	--	--	--	--	--	--
	08/20/01	7.33	1.44	--	--	--	--	--	--	--	--	--
	02/11/02	6.11	2.66	--	--	--	--	--	--	--	--	--
	08/06/02	8.99	-0.22	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	7.05	1.72	--	--	--	--	--	--	--	--	--
	08/12/03	8.90	-0.13	--	--	--	--	--	--	--	--	--
	02/17/04	2.49	6.28	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	8.11	0.66	--	--	--	--	--	--	--	--	--
	02/21/05	6.08	2.69	--	--	--	--	--	--	--	--	--
MP-1* **	09/15/92	11.66	-1.50	--	--	--	--	--	--	--	--	--
10.16	09/16/92	11.63	-1.47	--	--	--	--	--	--	--	--	--
	02/02/93	13.02	-2.86	--	--	--	--	--	--	--	--	--
	09/19/93	11.96	-1.80	--	--	--	--	--	--	--	--	--
	02/03/94	12.98	-2.82	--	--	--	--	--	--	--	--	--
	09/19/94	12.03	-1.87	--	--	--	--	--	--	--	--	--
	04/12/95	12.00	-1.84	--	--	--	--	--	--	--	--	--
	02/22/96	11.30	-1.14	--	--	--	--	--	--	--	--	--
	08/01/96	12.03	-1.87	--	--	--	--	--	--	--	--	--
	11/12/96	Inaccessible (well submerged)			--	--	--	--	--	--	--	--
	02/26/97	8.20	1.96	--	--	--	--	--	--	--	--	--
	05/01/97	13.10	-2.94	--	--	--	--	--	--	--	--	--
	08/05/97	9.42	0.74	--	--	--	--	--	--	--	--	--
	11/11/97	8.70	1.46	--	--	--	--	--	--	--	--	--
	05/21-22/98	8.04	2.12	--	--	--	--	--	--	--	--	--
	08/27-28/98	10.05	0.11	--	--	--	--	--	--	--	--	--
	11/10/98	10.02	0.14	0.00	--	--	--	--	--	--	--	--
	02/17/99	8.09	2.07	0.00	--	--	--	--	--	--	--	--
	05/27/99	9.06	1.10	0.00	--	--	--	--	--	--	--	--
	08/17/99	11.34	-1.18	--	--	--	--	--	--	--	--	--
	11/15/99	7.98	2.18	--	--	--	--	--	--	--	--	--
	02/07/00	6.46	3.70	--	--	--	--	--	--	--	--	--
	05/22/00	12.51	-2.35	--	--	--	--	--	--	--	--	--
	08/08/00	10.21	-0.05	--	--	--	--	--	--	--	--	--
	11/06/00	8.06	2.10	--	--	--	--	--	--	--	--	--
	02/12/01	12.57	-2.41	--	--	--	--	--	--	--	--	--
	08/20/01	9.24	0.92	--	--	--	--	--	--	--	--	--
	02/11/02	12.64	-2.48	--	--	--	--	--	--	--	--	--
	08/06/02	13.13	-2.97	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	9.14	1.02	--	--	--	--	--	--	--	--	--
	08/12/03	12.62	-2.46	--	--	--	--	--	--	--	--	--
	02/17/04	5.95	4.21	--	--	--	--	--	--	--	--	--
	8/9-8/11/04	9.17	0.99	--	--	--	--	--	--	--	--	--
	02/21/05	6.15	4.01	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
EW-1	11/21/02	--	--	--	1,000,000	2,100	7,500	<1,800	11,500	17,000	<3,000	--
6.72	8/12-8/14/03	--	--	--	870	2,900	260	48	77	417	<30	--
	02/17/04	--	--	NM	--	--	--	--	--	--	--	--
	05/03/04	--	--	NM	830	410	35	3.4	21	74	<5.0	--
	8/9-8/11/04	6.65	0.35	0.33	3,100	8,000	1,900	180	460	1,400	<100	--
	2/21-24/05	4.80	1.92	0.01	1,900	3,700	670	<10	170	350	<100	--
10.86[53]	08/03/05	6.08	4.82	0.05	1,100	2,200[54]	40	<10	97	240	<100	--
EW-2	10/17/02	--	--	--	730	8,800	630	<60	340	434	<75	--
6.97	8/12-8/14/03	7.23	--	Too Thick	2,500	8,800	360	<100	310	1,079	<75	--
	02/17/04	4.91	2.06	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	940	320	5.6	<0.50	1.3	23	<5.0	--
	8/9-8/11/04	6.58	0.39	Sheen	1,600	1,500	60	<2.5	<2.5	72	<25	
	2/21-24/05	5.06	1.91	Sheen	690	310	13	<0.50	<0.50	5.7	<5.0	--
11.11[53]	08/03/05	6.16	4.95	--	1,700	610[54]	1.0	<0.50	3.2	7.6	<5.0	--
EW-3	10/18/02	--	--	--	420	55	<0.50	<0.50	<0.50	<0.50	24	--
6.90	8/12-8/14/03	7.07	-0.17	--	4,200	160	6.0	<0.50	<0.50	<0.50	9.9	--
	02/17/04	4.24	2.66	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	4,200	<500	<5.0	<5.0	<5.0	<5.0	<50	--
	8/9-8/11/04	6.28	0.62	--	2,700	<50	1.7	<0.50	<0.50	<0.50	<5.0	--
	2/21-24/05	4.78	2.12	--	7,400	390	16	<0.50	<0.50	1.2	5.1	--
11.04[53]	08/03/05	6.44	4.60	--	5,200	60[54]	4.7	<0.50	<0.50	<0.50	<5.0	--
EW-4	10/18/02	--	--	--	240	56	<0.50	<0.50	<0.50	<0.50	31	--
6.65	8/12-8/14/03	6.87	-0.22	--	190	150	0.67	<0.50	<0.50	0.76	7.6	--
	02/17/04	4.62	2.03	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	300	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
	8/9-8/11/04	6.16	0.49	--	430	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
	2/21-24/05	4.80	1.85	--	380	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
10.79[53]	08/03/05	5.83	4.96	--	70	<50[54]	<0.50	<0.50	<0.50	<0.50	<5.0	--
EW-5	10/18/02	--	--	--	1,400	2,000	6.6	<25	<2.5	<14	<60	--
6.90	8/12-8/14/03	7.01	-0.11	--	17,000	650	5.0	<4.5	<1.5	<4.5	49	--
	02/17/04	4.91	1.99	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	9,400	380	<0.50	<0.50	9.8	2.7	26	--
	8/9-8/11/04	6.41	0.49	--	4,300	91	<0.50	<0.50	<0.50	<0.50	16	--
	2/21-24/05	5.07	1.83	--	13,000	220	<0.50	<0.50	<0.50	<0.50	17	--
11.04[53]	08/03/05	6.02	5.02	--	6,700	82[54]	<0.50	<0.50	<0.50	<0.50	11	--
EW-6	10/18/02	--	--	--	380	9,800	570	<100	340	295	<75	--
6.83	8/12-8/14/03	6.95	-0.12	--	3,400	11,000	1,300	<270	270	639	<75	--
	02/17/04	4.99	1.84	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	2,100	1,800	70	<5.0	16	49	<50	--
	8/9-8/11/04	6.63	0.2	--	490	95	7.9	<0.50	<0.50	1.9	<5.0	--
	2/21-24/05	4.95	1.88	--	1,100	210	9.7	<0.50	<0.50	0.95	<5.0	--
10.97[53]	08/03/05	6.00	4.97	--	1,300	160[54]	4.1	0.61	2.5	6.3	<5.0	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
EW-7	11/21/02	--	--	--	6,300	170,000	9,600	6,000	2,100	9,800	<3,000	--
6.78	8/12-8/14/03	8.11	--	0.50	400	18,000	2,300	1,100	640	2,040	<300	--
	02/17/04	4.76	2.02	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	1,600	10,000	480	260	510	1,300	<50	--
	8/9-8/11/04	--	--	--	120,000	33,000	4,000	1,600	2,000	6,300	<250	--
	2/21-24/05	5.03	1.75	0.02	7,500	14,000	2,400	330	690	1,700	<250	--
10.92[53]	08/03/05	5.99	4.93	--	1,600	830[54]	180	3.8	39	49	<25	--
EW-8	11/22/02	--	--	--	1,700	8,800	370	<120	320	364	<75	--
6.73	8/12-8/14/03	7.52	-0.79	--	1,200	2,600	200	20	52	67	<60	--
	02/17/04	5.20	1.53	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	1,100	11,000	81	<10	71	94	<100	--
	8/9-8/11/04	--	--	--	520	300	15	1.4	<1.0	2.1	<10	--
	2/21-24/05	4.93	1.80	--	2,800	7,300	1,200	110	290	740	<100	--
10.87[53]	08/03/05	6.13	4.74	--	510	150[54]	3.9	<0.50	0.97	3.5	<5.0	--
EW-9	11/21/02	--	--	--	710	23,000	2,800	2,900	570	2,960	<800	--
6.37	8/12-8/14/03	7.03	-0.66	--	780	3,200	420	210	66	339	<220	--
	02/17/04	4.88	1.49	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	580	210	32	2.8	5.1	9.9	<5.0	--
	8/9-8/11/04	--	--	--	1,100	5,100	620	450	130	630	<250	--
	2/21-24/05	4.60	1.77	--	600	1,700	260	25	36	130	<25	--
10.51[53]	08/03/05	5.61	4.90	--	950	1,300[54]	67	10	37	83	<25	--
EW-10	11/22/02	--	--	--	740	6,800	590	200	140	680	<75	--
6.93	8/12-8/14/03	7.67	--	0.03	1,800	26,000	4,300	1,000	850	4,090	<450	--
	02/17/04	--	--	NM	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	2,000	7,600	1,000	160	270	890	<100	--
	8/9-8/11/04	--	--	--	1,500	2,200	200	79	78	360	<50	--
	2/21-24/05	5.06	1.87	0.02	3,700	8,600	1,300	260	440	1,500	<100	--
11.07[53]	08/03/05	6.29	4.81	0.03	1,300	460[54]	19	3.5	11	32	<5.0	--
EW-11	11/21/02	--	--	--	190	2,200	210	63	27	126	<30	--
6.53	8/12-8/14/03	7.63	--	0.63	7,100	26,000	3,000	1,200	1,000	3,670	<800	--
	02/17/04	5.02	1.51	0.01	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	1,000	2,900	200	96	42	280	<50	--
	8/9-8/11/04	--	--	--	2,800	420	35	12	14	59	<5.0	--
	2/21-24/05	4.47	2.06	Sheen	1,700	3,900	280	60	83	430	<50	--
10.67[53]	08/03/05	5.61	5.06	--	2,600	940[54]	75	17	2.5	72	<50	--
EW-12	11/22/02	--	--	--	56,000	180,000	18,000	16,000	2,800	13,400	<6,000	--
6.76	8/12-8/14/03	8.79	--	1.55	1,000	40,000	6,900	3,900	1,200	5,000	<800	--
	02/17/04	5.19	1.57	--	--	--	--	--	--	--	--	--
	05/03/04	--	--	--	2,800	41,000	8,800	2,600	1,400	5,800	<500	--
	8/9-8/11/04	6.36	0.4	Sheen	3,300	10,000	2,100	250	480	1,800	<250	--
	2/21-24/05	4.97	1.79	Sheen	2,300	23,000	3,800	450	900	3,000	<500	--
10.90[53]	08/03/05	6.45	4.91	0.54	1,800	20,000[54]	1,900	150	810	2,500	<500	--
TP-1	05/01/96	Unable to locate		--	--	--	--	--	--	--	--	--
	08/01/96	4.18	--	--[11]	--	--	--	--	--	--	--	--
	11/12/96	Inaccessible	--	--	--	--	--	--	--	--	--	--
	02/26/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TP-1	05/01/97	3.60	--	--[11]	--	--	--	--	--	--	--	--
cont'd	08/05/97	4.06	--	--[11]	--	--	--	--	--	--	--	--
	11/11/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	05/21-22/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/27-28/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	11/10/98	6.12	--	2.10	Not sampled due to the prescence of free product					--	--	--
	02/07/00	3.17	--	0.02	--	--	--	--	--	--	--	--
	05/22/00	3.89	--	0.01	--	--	--	--	--	--	--	--
	08/08/00	5.67	--	0.00	--	--	--	--	--	--	--	--
	11/06/00	5.40(DTL)	--	Heavy	--	--	--	--	--	--	--	--
	02/12/01	4.36	--	Heavy	--	--	--	--	--	--	--	--
	08/20/01	6.17	--	0.01/mod	--	--	--	--	--	--	--	--
	02/11/02	3.41	--	Heavy	--	--	--	--	--	--	--	--
	08/06/02	5.63	--	light	--	--	--	--	--	--	--	--
	2/25-2/27/03	3.80	--	--	--	--	--	--	--	--	--	--
	08/12/03	4.90	Unable to monitor due to presence of thick product									
TP-2	05/01/96	Unable to locate		--	--	--	--	--	--	--	--	--
	08/01/96	4.45	--	--[11]	--	--	--	--	--	--	--	--
	11/12/96	Inaccessible		--	--	--	--	--	--	--	--	--
	02/26/97	4.17	--	--	--	--	--	--	--	--	--	--
	05/01/97	4.22	--	--	--	--	--	--	--	--	--	--
	08/05/97	4.44	--	0.00	--	--	--	--	--	--	--	--
	11/11/97	4.11	--	0.00	--	--	--	--	--	--	--	--
	05/21-22/98	3.85	--	0.00	--	--	--	--	--	--	--	--
	08/27-28/98	4.40	--	0.00	--	--	--	--	--	--	--	--
	11/10/98	5.47	--	0.00	--	--	--	--	--	--	--	--
	02/07/00	3.19	--	0.00	--	--	--	--	--	--	--	--
	05/22/00	3.73	--	0.00	--	--	--	--	--	--	--	--
	08/08/00	4.87	--	0.00	--	--	--	--	--	--	--	--
	11/06/00	4.76	--	--	--	--	--	--	--	--	--	--
	02/12/01	3.17	--	--	--	--	--	--	--	--	--	--
	08/20/01	5.56	--	--	--	--	--	--	--	--	--	--
	02/11/02	3.44	--	--	--	--	--	--	--	--	--	--
	08/06/02	4.81	--	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	2.69	--	--	--	--	--	--	--	--	--	--
	08/12/03	4.86	--	--	--	--	--	--	--	--	--	--
TP-3	05/01/96	Unable to locate		--	--	--	--	--	--	--	--	--
	08/01/96	Dry	--	--	--	--	--	--	--	--	--	--
	11/12/96	Inaccessible	--	--	--	--	--	--	--	--	--	--
	02/26/97	Dry	--	--	--	--	--	--	--	--	--	--
	05/01/97	Dry	--	--	--	--	--	--	--	--	--	--
	08/05/97	Dry	--	--	--	--	--	--	--	--	--	--
	11/11/97	Dry	--	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TP-3	05/21-22/98	Dry	--	--	--	--	--	--	--	--	--	--
cont'd	08/27-28/98	Dry	--	--	--	--	--	--	--	--	--	--
	11/10/98	Dry	--	--	--	--	--	--	--	--	--	--
	11/06/00	Inaccessible	--	--	--	--	--	--	--	--	--	--
	02/12/01	Inaccessible	--	--	--	--	--	--	--	--	--	--
	08/20/01	Inaccessible	--	--	--	--	--	--	--	--	--	--
	02/11/02	Inaccessible	--	--	--	--	--	--	--	--	--	--
	08/06/02	Inaccessible	--	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	Inaccessible	--	--	--	--	--	--	--	--	--	--
	08/12/03	Inaccessible	--	--	--	--	--	--	--	--	--	--
P-3	05/01/96	5.08	4.10	--	--	--	--	--	--	--	--	--
9.18	05/02/96	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	08/01/96	6.25	2.93	--	230	ND	ND	ND	ND	ND	--	--
	11/12/96	4.91	4.27	--	--	--	--	--	--	--	--	--
	11/13/96	--	--	--	460[5]	ND	ND	ND	ND	ND	--	--
	02/26/97	4.45	4.73	--	85	ND	ND	1.1	ND	0.69	--	--
	05/01/97	--	--	--	--	--	--	--	--	--	--	--
	05/02/97	4.75	4.43	--	--	--	--	--	--	--	--	--
	08/05/97	6.55	2.63	--	ND	ND	ND	ND	ND	ND	ND	--
	11/11/97	4.75	4.43	--	--	--	--	--	--	--	--	--
	11/12/97	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	05/21-22/98	4.43	4.75	--	150[19]	ND	ND	ND	ND	ND	--	--
	08/27-28/98	6.63	2.55	--	300[31]	ND	ND	ND	ND	ND	--	--
	11/10/98	5.47	3.71	--	270	ND	ND	ND	ND	ND	--	--
	02/23/99	4.40	4.78	--	ND	ND	ND	ND	ND	ND	--	--
	05/25/99	5.34	3.84	--	--	--	--	--	--	--	--	--
	08/17/99	6.63	2.55	--	--	--	--	--	--	--	--	--
	11/15/99	4.64	4.54	--	--	--	--	--	--	--	--	--
	02/07/00	3.61	5.57	--	--	--	--	--	--	--	--	--
	05/22/00	5.33	3.85	--	--	--	--	--	--	--	--	--
	08/08/00	6.61	2.57	--	--	--	--	--	--	--	--	--
	11/06/00	4.90	4.28	--	--	--	--	--	--	--	--	--
	02/12/01	3.90	5.28	--	--	--	--	--	--	--	--	--
	08/20/01	6.99	2.19	--	--	--	--	--	--	--	--	--
	02/11/02	4.39	4.79	--	--	--	--	--	--	--	--	--
	08/06/02	7.07	2.11	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	4.04	5.14	--	--	--	--	--	--	--	--	--
	08/12/03	6.67	2.51	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
P-5	05/01/96	5.18	4.10	--	--	--	--	--	--	--	--	--
9.28	08/01/96	6.23	3.05	--	--	--	--	--	--	--	--	--
	11/12/96	5.27	4.01	--	--	--	--	--	--	--	--	--
	02/26/97	4.81	4.47	--	--	--	--	--	--	--	--	--
	05/02/97	4.67	4.61	--	--	--	--	--	--	--	--	--
	08/06/97	6.42	2.86	--	--	--	--	--	--	--	--	--
	11/11/97	4.51	4.77	--	--	--	--	--	--	--	--	--
	05/21-22/98	4.49	4.79	--	--	--	--	--	--	--	--	--
	08/27-28/98	5.97	3.31	--	--	--	--	--	--	--	--	--
	11/10/98	DRY	--	--	--	--	--	--	--	--	--	--
	02/17/99	3.82	5.46	--	--	--	--	--	--	--	--	--
	05/27/99	4.96	4.32	--	--	--	--	--	--	--	--	--
	08/17/99	6.32	2.96	--	--	--	--	--	--	--	--	--
	11/15/99	4.92	4.36	--	--	--	--	--	--	--	--	--
	02/07/00	3.63	5.65	--	--	--	--	--	--	--	--	--
	05/22/00	5.16	4.12	--	--	--	--	--	--	--	--	--
	08/08/00	6.31	2.97	--	--	--	--	--	--	--	--	--
	11/06/00	5.34	3.94	--	--	--	--	--	--	--	--	--
	02/12/01	4.40	4.88	--	--	--	--	--	--	--	--	--
	08/20/01	7.75	1.53	--	--	--	--	--	--	--	--	--
	02/11/02	4.17	5.11	--	--	--	--	--	--	--	--	--
	08/06/02	6.72	2.56	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	4.11	5.17	--	--	--	--	--	--	--	--	--
	08/12/03	7.12	2.13	--	--	--	--	--	--	--	--	--
P-6	05/01/96	6.12	2.97	--	--	--	--	--	--	--	--	--
9.09	08/01/96	6.88	2.21	--	--	--	--	--	--	--	--	--
	11/12/96	6.81	2.28	--	--	--	--	--	--	--	--	--
	02/26/97	6.30	2.79	--	--	--	--	--	--	--	--	--
	05/02/97	5.46	3.63	--	--	--	--	--	--	--	--	--
	08/06/97	8.10	0.99	--	--	--	--	--	--	--	--	--
	11/11/97	6.02	3.07	--	--	--	--	--	--	--	--	--
	05/21-22/98	5.82	3.27	--	--	--	--	--	--	--	--	--
	08/27-28/98	7.74	1.35	--	--	--	--	--	--	--	--	--
	11/10/98	6.38	2.71	--	--	--	--	--	--	--	--	--
	02/17/99	4.95	4.14	--	--	--	--	--	--	--	--	--
	05/27/99	6.49	2.60	--	ND	--	--	--	--	--	--	--
	08/17/99	7.93	1.16	--	--	--	--	--	--	--	--	--
	11/15/99	5.90	3.19	--	--	--	--	--	--	--	--	--
	02/07/00	4.39	4.70	--	--	--	--	--	--	--	--	--
	05/22/00	6.96	2.13	--	--	--	--	--	--	--	--	--
	08/08/00	7.58	1.51	--	--	--	--	--	--	--	--	--
	11/06/00	6.70	2.39	--	--	--	--	--	--	--	--	--
	02/12/01	6.02	3.07	--	--	--	--	--	--	--	--	--
	08/20/01	8.98	0.11	--	--	--	--	--	--	--	--	--
	02/11/02	5.27	3.82	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
P-6	08/06/02	7.55	1.54	--	--	--	--	--	--	--	--	--
9.09	2/25-2/27/03	5.09	4.00	--	--	--	--	--	--	--	--	--
cont'd	08/12/03	8.18	0.91	--	--	--	--	--	--	--	--	--
P-7	05/01/96	6.15	3.13	--	--	--	--	--	--	--	--	--
9.28	08/01/96	6.76	2.52	--	--	--	--	--	--	--	--	--
	11/12/96	6.96	2.32	--	--	--	--	--	--	--	--	--
	02/26/97	5.77	3.51	--	--	--	--	--	--	--	--	--
	05/02/97	5.65	3.63	--	--	--	--	--	--	--	--	--
	08/06/97	7.54	1.74	--	--	--	--	--	--	--	--	--
	11/11/97	6.17	3.11	--	--	--	--	--	--	--	--	--
	05/21-22/98	5.91	3.37	--	--	--	--	--	--	--	--	--
	08/27-28/98	7.45	1.83	--	--	--	--	--	--	--	--	--
	11/10/98	6.53	2.75	--	--	--	--	--	--	--	--	--
	02/17/99	4.99	4.29	--	--	--	--	--	--	--	--	--
	05/27/99	6.37	2.91	--	ND	--	--	--	--	--	--	--
	08/17/99	7.69	1.59	--	--	--	--	--	--	--	--	--
	11/15/99	6.89	2.39	--	--	--	--	--	--	--	--	--
	02/07/00	4.52	4.76	--	--	--	--	--	--	--	--	--
	05/22/00	6.58	2.70	--	--	--	--	--	--	--	--	--
	08/08/00	7.21	2.07	--	--	--	--	--	--	--	--	--
	11/06/00	7.09	2.19	--	--	--	--	--	--	--	--	--
	02/12/01	6.43	2.85	--	--	--	--	--	--	--	--	--
	08/20/01	8.66	0.62	--	--	--	--	--	--	--	--	--
	02/11/02	5.27	4.01	--	--	--	--	--	--	--	--	--
	08/06/02	7.86	1.42	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	5.12	4.16	--	--	--	--	--	--	--	--	--
	08/12/03	7.09	2.19	--	--	--	--	--	--	--	--	--
P-8	05/01/96	6.18	1.47	0.00	--	--	--	--	--	--	--	--
7.65	08/01/96	6.91	0.74	0.00	--	--	--	--	--	--	--	--
	11/12/96	5.59	2.06	0.00	--	--	--	--	--	--	--	--
	02/26/97	5.98	1.67	0.00	--	--	--	--	--	--	--	--
	05/02/97	4.45	3.20	0.00	--	--	--	--	--	--	--	--
	08/06/97	7.62	0.03	0.00	--	--	--	--	--	--	--	--
	11/11/97	4.38	3.27	0.00	--	--	--	--	--	--	--	--
	05/21-22/98	4.95	2.70	0.00	--	--	--	--	--	--	--	--
	08/27-28/98	6.41	1.24	0.00	--	--	--	--	--	--	--	--
	11/10/98	4.36	3.29	0.00	--	--	--	--	--	--	--	--
	02/17/99	3.54	4.11	0.00	--	--	--	--	--	--	--	--
	05/27/99	5.87	1.78	0.00	250	--	--	--	--	--	--	--
	08/17/99	7.68	-0.03	--	--	--	--	--	--	--	--	--
	11/15/99	5.22	2.43	--	--	--	--	--	--	--	--	--
	02/07/00	4.78	2.87	--	--	--	--	--	--	--	--	--
	05/22/00	6.23	1.42	--	--	--	--	--	--	--	--	--
	08/08/00	7.00	0.65	--	--	--	--	--	--	--	--	--
	11/06/00	6.06	1.59	--	370	<50	<0.5	<0.5	<0.5	<0.5	<3.0	--
	02/12/01	6.61	1.04	--	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
P-8	08/20/01	9.25	-1.60	--	--	--	--	--	--	--	--	--
7.65	02/11/02	4.99	2.66	--	--	--	--	--	--	--	--	--
cont'd	08/06/02	8.03	-0.38	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	5.08	2.57	--	--	--	--	--	--	--	--	--
	08/12/03	8.22	-0.57	--	--	--	--	--	--	--	--	--
P-12	02/22/96	7.82	0.76	--[8]	--	--	--	--	--	--	--	--
8.58	05/01/96	7.66	0.92	--[8]	--	--	--	--	--	--	--	--
	08/01/96	7.24	1.34	--[8]	--	--	--	--	--	--	--	--
	11/12/96	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	02/26/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	05/02/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/06/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	11/11/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	05/21-22/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/27-28/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	11/10/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	02/18/99	2.95	--	--[8]	--	--	--	--	--	--	--	--
	05/27/99	5.05	--	0.12	--	--	--	--	--	--	--	--
	08/17/99	5.13 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	11/15/99	4.39 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	02/07/00	3.95	4.63	0.04/heavy	--	--	--	--	--	--	--	--
	05/22/00	4.73	3.85	0.04/Heavy	--	--	--	--	--	--	--	--
	08/08/00	5.22	3.36	0.03/Heavy	--	--	--	--	--	--	--	--
	11/06/00	4.55 (DTL)	4.03	Heavy	--	--	--	--	--	--	--	--
	02/12/01	ND	ND	heavy	--	--	--	--	--	--	--	--
	08/20/01	ND	ND	heavy	--	--	--	--	--	--	--	--
	02/11/02	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/06/02	4.94	Unable to monitor due to presence of thick product									
	2/25-2/27/03	2.78	Unable to monitor due to presence of thick product									
	08/12/03	3.82	Unable to monitor due to presence of thick product									
P-15	04/12/95	2.75	6.30	0.00	--	--	--	--	--	--	--	--
9.05	04/13/95	--	--	--	97	2,700	17	13	25	170	--	--
	09/13/95	6.94	2.11	0.00	--	--	--	--	--	--	--	--
	02/22/96	7.29	1.76	0.00	--	--	--	--	--	--	--	--
	11/12/96	4.16	4.89	0.00	--	--	--	--	--	--	--	--
	02/26/97	3.20	5.85	0.00	--	--	--	--	--	--	--	--
	05/02/97	3.23	5.82	0.00	--	--	--	--	--	--	--	--
	08/06/97	5.08	3.97	0.00	--	--	--	--	--	--	--	--
	11/11/97	3.37	5.68	0.00	--	--	--	--	--	--	--	--
	05/21-22/98	3.35	5.70	0.00	--	--	--	--	--	--	--	--
	08/27-28/98	5.14	3.91	0.00	--	--	--	--	--	--	--	--
	11/10/98	3.33	5.72	0.00	--	--	--	--	--	--	--	--
	02/17/99	2.77	6.28	0.00	--	--	--	--	--	--	--	--
	05/25/99	4.14	4.91	0.00	--	--	--	--	--	--	--	--
	08/17/99	5.18	3.87	0.00	--	--	--	--	--	--	--	--
	11/15/99	3.74	5.31	0.00	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
P-15	02/07/00	2.90	6.15	0.00	--	--	--	--	--	--	--	--
9.05	05/22/00	3.46	5.59	0.00	--	--	--	--	--	--	--	--
cont'd	08/08/00	5.08	3.97	0.00	--	--	--	--	--	--	--	--
	11/06/00	4.02	5.03	--	1,200	4,200	4.2	<10	25	27	<3.0	--
	02/12/01	2.92	6.13	--	--	--	--	--	--	--	--	--
	08/20/01	5.19	3.86	--	--	--	--	--	--	--	--	--
	02/11/02	3.02	6.03	--	--	--	--	--	--	--	--	--
	08/06/02	5.23	3.82	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	2.95	6.10	--	--	--	--	--	--	--	--	--
	08/12/03	4.38	4.67	--	--	--	--	--	--	--	--	--
P-17	02/09/95	4.65	4.49	0.00	--	--	--	--	--	--	--	--
9.14	04/12/95	4.55	4.59	0.00	--	--	--	--	--	--	--	--
	04/13/95	--	--	--	110	ND	ND	ND	ND	ND	--	--
	09/13/95	7.08	2.06	0.00	--	--	--	--	--	--	--	--
	02/22/96	7.86	1.28	0.00	--	--	--	--	--	--	--	--
	05/01/96	7.92	1.22	0.00	--	--	--	--	--	--	--	--
	08/01/96	7.67	1.47	0.00	--	--	--	--	--	--	--	--
	11/12/96	6.52	2.62	0.00	--	--	--	--	--	--	--	--
	02/25/97	6.36	2.78	0.00	--	--	--	--	--	--	--	--
	05/01/97	6.25	2.89	0.00	--	--	--	--	--	--	--	--
	08/06/97	6.50	2.64	0.00	--	--	--	--	--	--	--	--
	11/11/97	5.80	3.34	0.00	--	--	--	--	--	--	--	--
	05/21-22/98	6.43	2.71	0.00	--	--	--	--	--	--	--	--
	08/27-28/98	7.43	1.71	0.00	--	--	--	--	--	--	--	--
	11/10/98	6.27	2.87	0.00	--	--	--	--	--	--	--	--
	02/17/99	5.16	3.98	0.00	--	--	--	--	--	--	--	--
	05/27/99	6.64	2.50	0.00	--	--	--	--	--	--	--	--
	08/17/99	7.55	1.59	--	--	--	--	--	--	--	--	--
	11/15/99	6.21	2.93	--	--	--	--	--	--	--	--	--
	02/07/00	5.54	3.60	--	--	--	--	--	--	--	--	--
	05/22/00	6.50	2.64	--	--	--	--	--	--	--	--	--
	08/08/00	7.41	1.73	--	--	--	--	--	--	--	--	--
	11/06/00	6.65	2.60	--	--	--	--	--	--	--	--	--
	02/12/01	6.02	3.12	--	--	--	--	--	--	--	--	--
	08/20/01	7.41	1.73	--	--	--	--	--	--	--	--	--
	02/11/02	5.91	3.23	--	--	--	--	--	--	--	--	--
	08/06/02	7.36	1.78	--	--	--	--	--	--	--	--	--
	2/25-2/27/03	5.53	3.61	--	--	--	--	--	--	--	--	--
	08/12/03	6.37	2.77	--	--	--	--	--	--	--	--	--
P-21	02/22/96	7.91	0.52	--[8]	--	--	--	--	--	--	--	--
8.43	05/01/96	7.93	0.50	--[8]	--	--	--	--	--	--	--	--
	08/01/96	7.84	0.59	--[8]	--	--	--	--	--	--	--	--

Table D-1
Groundwater Monitoring Data and Analytical Results, Petroleum Hydrocarbons
Eureka Bulk Plant #0201, Eureka, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (MSL or NAVD 88**)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
P-21	11/12/96	Unable to monitor due to presence of thick product					--	--	--	--	--	--
cont'd	02/25/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
8.43	05/01/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/06/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	11/11/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	05/21-22/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/27-28/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	11/10/98	5.32	4.76**	2.20	Not sampled due to the prescence of free product					--	--	--
	02/17/99	Unable to monitor due to presence of thick product								--	--	--
	05/27/99	5.29	3.14	0.00	--	--	--	--	--	--	--	--
	08/17/99	6.08 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	11/15/99	4.72 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	02/07/00	4.53	3.90	Heavy	--	--	--	--	--	--	--	--
	05/22/00	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/08/00	Unable to monitor due to presence of thick product										
	11/06/00	5.89(DTL)	--	Heavy	--	--	--	--	--	--	--	--
	02/12/01	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/20/01	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	02/11/02	Unable to monitor due to presence of thick product										
	08/06/02	5.54	Unable to monitor due to presence of thick product									
	2/25-2/27/03	4.49	Unable to monitor due to presence of thick product									
	08/12/03	7.78	Unable to monitor due to presence of thick product									
P-22	02/22/96	7.68	0.95	--[8]	--	--	--	--	--	--	--	--
8.63	11/12/96	6.97	2.46**	1.07	--	--	--	--	--	--	--	--
	02/25/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	05/01/97	6.12	2.51	--[11]	--	--	--	--	--	--	--	--
	08/06/97	7.90	0.73	--[11]	--	--	--	--	--	--	--	--
	11/11/97	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	05/21-22/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/27-28/98	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	11/10/98	7.85	0.84**	0.08	Not sampled due to the prescence of free product					--	--	--
	02/17/99	4.67	3.96	--[8]	--	--	--	--	--	--	--	--
	05/25/99	7.48	1.16**	0.01	--	--	--	--	--	--	--	--
	08/17/99	8.20 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	11/15/99	5.08 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	02/07/00	4.84	3.79	Heavy	--	--	--	--	--	--	--	--
	05/22/00	7.39 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	08/08/00	7.59	1.04	0.00/Heavy	--	--	--	--	--	--	--	--
	11/06/00	6.02 (DTL)	--	Heavy	--	--	--	--	--	--	--	--
	02/12/01	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	08/20/01	Unable to monitor due to presence of thick product					--	--	--	--	--	--
	02/11/02	Unable to monitor due to presence of thick product										
	08/06/02	8.00	Unable to monitor due to presence of thick product									
	2/25-2/27/03	4.92	Unable to monitor due to presence of thick product									
	08/12/03	5.50	Unable to monitor due to presence of thick product									

Table D-1
Groundwater Monitoring Data and Analytical Results
Petroleum Hydrocarbons
Eureka Bulk Plant #0201
Eureka, California

Groundwater monitoring data and laboratory analytical results prior to May 21, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
msl = Relative to mean sea level
TPH(D) = Total Petroleum Hydrocarbons as Diesel
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
TOG = Total Oil and Grease

ppb = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed
~ Approximate
DTL = Depth to Liquid
< = Less Than Method Reporting Limit

* TOC elevations have been surveyed relative to mean sea level (msl) per data provided by Pacific Environmental Group, Inc. All elevations recorded during August 2005 use the North American Vertical Datum 1988 (NAVD 88), and there after.
** Groundwater elevation corrected for the presence of free product; correction factor = [(TOC-DTW)+(Product Thickness x 0.75)].
*** Humboldt Bay Monitoring Station

1 Analyzed for TPH as Oil using EPA Method 3510.
2 Unidentified compounds noted. See text in February 1993 report for additional discussion provided by Harza Kaldveer Consulting Engineers.
3 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
4 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
5 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
6 All polynuclear aromatic hydrocarbon constituents (EPA Method 610) were ND.
7 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
8 Free product present. Exact product thickness could not be determined.
9 Laboratory identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.
10 Due to a change in the monitoring and reporting program (MRP), well is sampled annually during the first quarter.
11 Sticky, oily product present. Unable to measure product thickness.
12 Laboratory report indicates the hydrocarbons detected appeared to be gasoline and non-gasoline mixture.
13 Monitoring well MW-16 was inadvertently not sampled.
14 Due to a change in the MRP, well is sampled annually during the second quarter.
15 Due to a change in the MRP, well is sampled semi-annually during the first and third quarters.
16 Well is located on adjacent fenced property. On May 1 and 2, 1997, on-site personnel were not available to allow access to this well.
17 MTBE by EPA Method 8260.
18 TPH(D) by Silica Gel Clean-Up.
19 Laboratory report indicates unidentified hydrocarbons C9-C24.
20 Laboratory report indicates unidentified hydrocarbons ~C6.
21 Laboratory report indicates unidentified hydrocarbons C6.

Table D-1
Groundwater Monitoring Data and Analytical Results
Petroleum Hydrocarbons
Eureka Bulk Plant #0201
Eureka, California

22 Laboratory report indicates unidentified hydrocarbons >C6.
23 Laboratory report indicates weathered diesel C9-C24+C18-C24.
24 Detection limit raised. Refer to analytical results.
25 Laboratory report indicates unidentified hydrocarbons >C10.
26 Laboratory report indicates unidentified hydrocarbons C6-C12.
27 Laboratory report indicates discrete peaks and unidentified hydrocarbons C9-C24.
28 Laboratory report indicates unidentified hydrocarbons >C12.
29 Laboratory report indicates unidentified hydrocarbons C12-C36.
30 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C14.
31 Laboratory report indicates unidentified hydrocarbons >C14.
32 Top portion of well casing broken/damaged.
33 Laboratory report indicates discrete peaks.
34 Laboratory report indicates unidentified hydrocarbons >C16.
35 Laboratory report indicates unidentified hydrocarbons <C14 & >C16.
36 Laboratory report indicates unidentified hydrocarbons >C13.
37 Laboratory report indicates unidentified hydrocarbons >C9.
38 Laboratory report indicates unidentified hydrocarbons >C15.
39 Laboratory report indicates unidentified hydrocarbons >C20.
40 Contains material similar to degraded or weathered diesel oil
41 Sample diluted and reporting limits raised due to matrix interference
42 Contains material lighter than diesel. However, some of the material extends into the diesel range of molecular weights.
43 BTEX surrogate could not be quantified due to large amount of co-eluting material.
44 Sample does not have the typical pattern of fresh gasoline. However, the results reported represent the amount of material in the gasoline range.
45 All diesel reported represents the amount of material in the diesel range of molecular weights only.
46 Low surrogate recovery for samples may be due to the formation of an emulsion during the sample extraction.
47 Diesel surrogate recovery for sample is above acceptance limit due to matrix interference.
48 Reporting limits raised due to matrix interference.
50 BTEX surrogate could not be quantified due to large amount of early eluting material.
51 Sample contains material in the diesel range of molecular weights, but the material does not exhibit the peak pattern of diesel oil.
52 Sample contains material in the diesel range of molecular weights and beyond. This suggests the presence of an oil heavier than diesel.
53 The vertical datum for the elevations of all monitored wells is the North American Vertical Datum 1988 for readings taken during August 2005, and there after.
54 Analysis was conducted as Gasoline Range Organics (GRO) in accordance with EPA Method No. 8015M and 8021B.

Appendix E

Historic Analytical Results for Halogenated Volatile Organic Compounds

Table E-1
Groundwater Monitoring Data and Analytical Results
Petroleum Hydrocarbons
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Iron (ppm)[1]	Nitrate as NO3 (ppm)	Phosphate (ppm)	Sulfate (ppm)	Methane (ppm)
MW-2	05/26/99	3.8	ND[2]	--	ND	3.68
MW-4	02/24/99	3.4	ND	--	26	0.66
	08/18/99	4.3	ND	--	560	0.252
MW-5	02/24/99	26.0	ND	--	12	1.00
	05/26/99	18.0	ND	--	3.5	1.58
	11/16/99	2.5	ND	--	35	3.728
MW-13	04/14/95	0.6	ND	31	6.6	--
MW-14	04/14/95	6.2	ND	ND	46	--
MW-15	04/14/95	7.0	ND	18	10	--
MW-16	04/14/95	2.5	ND	ND	ND	--
MW-17	04/14/95	37.0	ND	ND	45	--
	02/24/99	3.7	ND	--	ND	2.10
	05/26/99	15.0	ND	--	ND	4.99
	11/17/99	17.0	ND	--	ND	7.414
MW-18	04/14/95	49.0	ND	ND	110	--
MW-19	04/14/95	4.3	ND	ND	40	--
	02/24/99	0.100	ND	--	24	10
	08/18/99	0.250	ND	--	270	2.39
MW-20	04/14/95	1.5	ND	ND	18	--
	02/24/99	1.3	ND	--	12	ND
	08/18/99	0.26	ND	--	13	ND
MW-21	04/14/95	19.0	ND	ND	71	--
MW-22	04/14/95	6.0	ND	ND	6.2	--
MW-30	02/25/99	19.0	ND	--	30	ND
	05/27/99	1.10	ND	--	35	ND
	08/19/99	0.54	0.23	--	68	ND
	11/16/99	0.35	0.69	--	140	0.180
MW-31	02/25/99	3.40	ND	--	16	1.00
	05/27/99	2.90	ND	--	2.1	ND
	08/18/99	0.95	ND	--	240	0.500
	11/16/99	3.70	ND	--	150	2.117
MW-32	02/25/99	3.50	ND	--	31	0.930
	05/27/99	1.70	ND	--	1.9	2.440
	08/19/99	3.50	ND	--	1.1	1.031
	11/16/99	2.60	ND	--	4.1	2.994
MW-33	02/25/99	9,700.0	ND	--	3.0	970
	05/27/99	6,800.0	ND	--	1.5	0.435
	08/19/99	1,500.0	1.5	--	2,600	ND
	11/16/99	130.0	1.3	--	2,200	ND

Groundwater analytical results were compiled from reports prepared by MPDS Services, Inc. and Northcoast Laboratories, Ltd.
1. ppm: parts per million
2. ND: Not Detected

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-3	05/26/99	--	--	--	--	--	--
	11/17/99[20]	ND	ND	ND	ND	ND	ND
	02/09/00	ND	ND	ND	ND	ND	ND
	02/14/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/27/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-4	02/93	44	7600	>2,000	~200	ND	~1,600
	03/93	ND	840	5,900	190	ND	2,200
	09/93	23	950	4,400	170	ND	3,200
	02/94	85	840	2,700	110	ND	1,600
	09/20/94[7]	ND	220	6,400	280	ND	2,900
	02/09/95[1]	ND	3.6	1,700	91	ND	690
	04/12/95[7]	ND	ND	1,400	82	ND	630
	09/14/95[4]	ND	ND	ND	ND	ND	ND
	02/23/96[7]	2.3	3.3	230	23	ND	140
	05/02/96[4]	ND	ND	2,000	ND	ND	100
	08/01/96[4]	ND	180	4,700	270	ND	1,800
	11/12/96[4]	ND	ND	320	ND	ND	240
	02/26/97[4]	ND	ND	7,600	ND	ND	1,700
	05/01/97[4]	ND	790	9,800	ND	ND	2,700
	08/06/97[4]	ND	ND	11,000	ND	ND	2,200
	11/11/97[4]	ND	ND	2,800	ND	ND	750
	05/22/98	ND	ND	5,600	ND	ND	900
	08/27-28/98	ND	550	11,000	160	ND	950
	11/10/98	ND	ND	740	21	ND	370
	02/24/99[16]	ND	ND	120	5.2	ND	220

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-4	08/18/99	ND	ND	ND	ND	ND	18
cont'd	02/08/00	ND	ND	22	ND	ND	8.6
	08/08/00	ND	ND	18	ND	ND	21
	02/13/01	<1.0	<1.0	19	1.0	<1.0	1.7
	08/21/01	<1.0	<1.0	23	1.2	<1.0	7.0
	02/12/02	<1.0	<1.0	146	<1.0	<1.0	1.5
	08/07/02	<1.0	<1.0	15	<1.0	<1.0	<1.0
	02/26/03	<1.0	<1.0	9.6	<1.0	<1.0	9.0
	08/13/03	<1.0	<1.0	37	1.6	<1.0	12
	02/19/04	<0.50	<0.50	12	0.65	<0.50	10
	08/10/04	1.3	1.0	35	1.3	<1.0	16
	02/23/05	<0.50	<0.50	16	0.77	<0.50	13
	08/02/05	<0.50	0.57	20	0.61	<0.50	9
MW-5	04/13/95[2]	ND	ND	3.2	ND	ND	ND
	09/14/95[4]	ND	ND	ND	ND	ND	ND
	02/23/96[7]	ND	ND	ND	ND	3.4	3.3
	05/02/96[4]	0.94	ND	1.5	ND	ND	1.4
	11/12/96[4]	ND	ND	1.2	ND	ND	1.9
	05/01/97[4]	0.62	2	14	ND	ND	2.3
	11/11/97[4]	ND	ND	2.5	ND	ND	0.62
	05/22/98	ND	ND	ND	ND	ND	ND
	02/24/99	ND	ND	ND	ND	0.64	ND
	05/26/99	2.7	ND	--	ND	ND	ND
	11/16/99[21]	ND	ND	1.3	1	--	ND
	05/23/00	ND	ND	ND	ND	1.5	ND
	11/07/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/13/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/21/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/7/2002	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-5	02/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cont'd	08/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-17	04/13/95	ND	ND	ND	ND	ND	ND
	09/14/95[4]	ND	ND	ND	ND	ND	ND
	02/23/96[7]	1.4	ND	1.4	ND	4.1	5.7
	11/12/96[4]	ND	ND	ND	ND	ND	ND
	05/02/97[4]	ND	ND	ND	ND	ND	ND
	11/11/97[4]	ND	ND	ND	ND	ND	ND
	05/22/98[14]	ND	ND	ND	ND	ND	ND
	05/26/99	ND	ND	--	ND	ND	ND
	11/17/99	ND	ND	ND	ND	ND	ND
	05/23/00	ND	ND	ND	ND	ND	ND
	11/07/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/14/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/13/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/07/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	3.0
	08/02/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-18	04/13/95	ND	ND	ND	ND	ND	ND
	09/14/95	--	--	--	--	--	--
	02/22/96	--	--	--	--	--	--
	05/02/96	--	--	--	--	--	--
	11/12/96	--	--	--	--	--	--
	02/25/97	--	--	--	--	--	--
	05/01/97	--	--	--	--	--	--
MW-19	04/13/95	ND	ND	ND	ND	ND	ND

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-19	09/14/95[4]	ND	ND	ND	ND	ND	ND
cont'd	02/22/96[7]	ND	ND	ND	ND	ND	ND
	05/02/96[4]	ND	ND	ND	ND	ND	ND
	11/12/96[4]	ND	ND	ND	ND	ND	ND
	08/06/97[4]	ND	ND	ND	ND	ND	ND
	05/22/98	ND	ND	ND	ND	ND	ND
	08/27-28/98	ND	ND	ND	ND	ND	ND
	11/10/98	ND	ND	ND	ND	ND	ND
	02/24/99[4]	ND	ND	ND	ND	ND	ND
	08/18/99	ND	ND	ND	ND	ND	ND
	02/08/00	ND	ND	ND	ND	ND	ND
	08/09/00	ND	ND	ND	ND	ND	ND
	02/13/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/21/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/07/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-20	04/13/95	ND	ND	ND	ND	ND	ND
	09/14/95[4]	ND	ND	ND	ND	ND	ND
	02/23/96[7]	0.57	0.69	ND	ND	ND	ND
	05/02/96[4]	ND	ND	ND	ND	ND	ND
	11/12/96[4]	ND	ND	ND	ND	ND	ND
	05/22/98	ND	ND	ND	ND	ND	ND
	08/27-28/98	ND	ND	0.53	ND	0.91	ND
	11/10/98	ND	ND	ND	ND	ND	ND
	02/24/99[4]	ND	ND	ND	ND	ND	ND
	08/18/99	ND	ND	ND	ND	ND	ND
	02/08/00	ND	ND	ND	ND	ND	ND

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-20	08/09/00	ND	ND	ND	ND	ND	ND
cont'd	02/13/01	2.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/21/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/07/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/18/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-21	04/13/95[3]	66	3700	14000	940	ND	2000
MW-23	09/14/95[4]	9.7	38	83	24	ND	ND
	02/23/96[7]	2300	5400	5600	120	ND	1200
	05/02/96[4]	410	2200	5300	ND	ND	630
	08/01/96[4]	ND	1200	2100	97	ND	410
	11/12/96[4]	160	1300	6900	140	ND	720
	02/26/97[4]	ND	1400	7000	ND	ND	ND
	05/02/97[4]	ND	1400	4800	ND	ND	620
	08/06/97[4]	ND	720	6800	280	ND	870
	11/11/97[4]	ND	510	6000	130	ND	99
	05/22/98	ND	950	4000	150	ND	530
	08/27-28/98[15]	1.8	490	5000	170	ND	810
	11/10/98	--	--	--	--	--	--
MW-24	09/14/95	8.1	20	13	ND	ND	ND
	02/23/96[7]	5.8	11	4.3	ND	2.9	ND
	05/02/96[4]	3.8	11	10	ND	2.1	2.3
	08/01/96[4]	5.5	13	21	1	ND	6.7
	11/13/96[10]	5.3	14	17	ND	ND	3.7
	02/26/97[12]	ND	3	6.1	ND	2	ND
	05/02/97	1.7	3.6	4.3	ND	ND	ND

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-24	08/06/97[4]	2.6	4.3	16	ND	ND	2.2
cont'd	11/11/97[4]	0.65	3.6	13	ND	ND	ND
	05/22/98	0.55	1.1	3	ND	ND	ND
	08/27-28/98	0.66	1.2	5.4	ND	ND	1
	11/10/98	ND	ND	1.9	ND	ND	ND
	02/23/99	ND	ND	0.61	ND	ND	ND
	05/27/99	ND	ND	--	ND	ND	ND
	08/18/99	ND	ND	ND	ND	ND	ND
	11/17/99	ND	ND	ND	ND	--	ND
	02/08/00	ND	ND	ND	ND	ND	ND
	05/24/00	ND	ND	ND	ND	ND	ND
	08/10/00	ND	ND	ND	ND	ND	ND
	11/10/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/15/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
@ 8 feet	07/20/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
@ 43 feet	07/20/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/14/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/07/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-24	02/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cont'd	08/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/19/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-29	11/13/96[11]	ND	ND	ND	ND	2.5	ND
	02/26/97	ND	ND	ND	ND	3.9	ND
	08/05/97[4]	ND	ND	ND	ND	ND	ND
	11/12/97[13]	ND	ND	ND	ND	ND	ND
	02/23/99[17]	ND	ND	ND	ND	ND	ND
	05/27/99	ND	ND	--	ND	ND	ND
	08/18/99	ND	ND	ND	ND	ND	ND
	11/17/99	ND	ND	ND	ND	ND	ND

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene (ppb)	Trichloro-ethene (ppb)	Cis-1,2-DCE (ppb)	Trans-1,2-DCE (ppb)	Chloro-form (ppb)	Vinyl chloride (ppb)
MW-29	02/08/00	ND	ND	ND	ND	ND	ND
cont'd	05/24/00	ND	ND	ND	ND	ND	ND
	08/10/00	ND	ND	ND	ND	ND	ND
	11/10/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/15/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/14/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/07/02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/27/03	<1.0	<1.0	2.7	<1.0	<1.0	<1.0
	08/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/18/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/11/04	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	02/22/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/02/05	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-30	11/10/98	180	61	170	ND	ND	14
	02/25/99[18]	190	89	250	1.8	ND	28
	05/27/99	34	19	--	ND	ND	4.8
	08/18/19	16	15	110	1.1	ND	51
	11/16/99	7.8	6.7	70	ND	ND	99
	02/08/00 [22]	120	160	850	8	ND	2.4
	05/23/00 [23]	2.9	4.8	160	5.7	ND	4.9
	08/09/00 [24]	14	17	250	7.9	ND	1.1
	11/07/00	8.7	10	160	5.7	<2.0	<1.0
	02/13/01	4.1	7.7	100	3.2	<1.0	<1.0
	08/21/01	5.7	13	210	6.7	<1.0	1.4
	02/12/02	2.7	3.8	24	1.3	<1.0	<1.0
	08/07/02	4.3	7.1	53	<1.0	<1.0	5.6
	02/26/03	2.0	1.9	22	<1.0	<1.0	2.0
	08/13/03	2.6	4.3	67	1.0	<1.0	8.1
	02/19/04	1.2	<0.50	42	<0.50	<0.50	1.8
	08/10/04	27	16	1,300	14	<20	80

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene (ppb)	Trichloro-ethene (ppb)	Cis-1,2-DCE (ppb)	Trans-1,2-DCE (ppb)	Chloro-form (ppb)	Vinyl chloride (ppb)
MW-30	02/23/05	<5.0	5.6	260	<5.0	<5.0	13
cont'd	08/02/05	<10	<10	1,300	17	<10	670
MW-31	11/10/98	ND	ND	180	ND	ND	400
	02/25/99	ND	ND	1.7	ND	ND	15
	05/27/99	ND	ND	--	ND	ND	36
	08/18/99	ND	ND	2.2	1.2	ND	31
	11/16/99	ND	ND	1.4	ND	ND	11
	02/08/00	ND	ND	1.9	ND	ND	8.9
	05/23/00	ND	ND	1.5	ND	ND	16
	08/08/00	ND	ND	2	ND	ND	21
	11/07/00	<1.0	<1.0	1.4	<1.0	<1.0	16
	02/13/01	<1.0	<1.0	1.1	<1.0	<1.0	2.4
	08/21/01	<1.0	<1.0	1.1	<1.0	<1.0	12
	02/12/02	<1.0	<1.0	<1.0	<1.0	<1.0	3.4
	08/07/02	<1.0	<1.0	1.5	<1.0	<1.0	13
	02/26/03	<1.0	<1.0	<1.0	<1.0	<1.0	2.0
	08/13/03	<1.0	<1.0	1.6	<1.0	<1.0	15
	02/19/04	<0.50	<0.50	1.1	<0.50	<0.50	5.1
	08/10/04	1.3	<0.50	0.61	<0.50	<1.0	6.6
	02/23/05	<0.50	<0.50	0.85	<0.50	<0.50	3.2
	08/02/05	<0.50	<0.50	0.58	<0.50	<0.50	9.9
MW-32	11/10/98	12	0.95	5	ND	ND	ND
	02/25/99	2	4.2	21	1.1	ND	ND
	05/27/99	ND	2.9	--	ND	ND	ND
	08/19/99	ND	ND	27	ND	ND	390
	11/16/99	ND	2.3	23	ND	ND	360
	02/08/00	ND	1.1	29	ND	ND	200
	05/23/00	ND	1.5	170	4.3	ND	170
	08/08/00 [25]	ND	8.3	770	21	ND	150
	11/07/00	55	100	2900	79	<40	91
	02/13/01	22	77	1,100	47	<1.0	180

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Tetrachloro-ethene *(ppb)*	Trichloro-ethene *(ppb)*	Cis-1,2-DCE *(ppb)*	Trans-1,2-DCE *(ppb)*	Chloro-form *(ppb)*	Vinyl chloride *(ppb)*
MW-32	08/21/01	11	36	720	17	<1.0	140
cont'd	02/12/02	2.9	29	410	19	<1.0	150
	08/07/02	<1.0	3.4	170	9.2	<1.0	170
	02/26/03	<1.0	1.3	130	6.9	<1.0	83
	08/13/03	7.5	29	720	29	<1.0	140
	02/19/04	<0.50	<0.50	230	<0.50	<0.50	<0.50
	08/10/04	1.3	1.7	22	1.4	<1.0	23
	02/23/05	<2.5	<2.5	19	<2.5	<2.5	24
MW-33	11/10/98	ND	ND	ND	ND	ND	ND
	02/25/99[4]	ND	ND	ND	ND	ND	ND
	05/27/99	ND	ND	--	ND	ND	ND
	08/19/99	ND	ND	ND	ND	ND	ND
	11/17/99	ND	ND	ND	ND	ND	ND
	05/23/00	ND	ND	ND	ND	ND	ND
	11/07/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
P-3	05/02/96[4]	ND	ND	ND	ND	ND	ND
	08/01/96[4]	ND	ND	ND	ND	ND	ND
	11/13/96[4]	ND	ND	ND	ND	ND	ND
	02/26/97	ND	ND	ND	ND	5.2	ND
	08/05/97[4]	ND	ND	ND	ND	ND	ND
	11/12/97[4]	ND	ND	ND	ND	ND	ND

Table E-2
Groundwater Monitoring Data and Analytical Results
Halogenated Volatile Organic Compounds
Eureka Bulk Terminal#0201
Eureka, California

Groundwater analytical results prior to May 21, 1998, were compiled from reports prepared by MPDS Services, Inc.

1,1-DCE = 1,1-Dichloroethene
Cis-1,2-DCE = Cis-1,2-Dichloroethene
Trans-1,2-DCE = Trans-1,2-Dichloroethene

ppb = Parts per billion
ND = Not Detected
-- = Not Analyzed

1 All EPA Method 8240 compounds were ND, except for 1,1-Dichloroethane which was detected at a concentration of 2.8 ppb.
2 Ethylbenzene was detected at a concentration of 2.4 ppb.
3 Toluene was detected at a concentration of 2.3 ppb.
4 All EPA Method 8010 compounds were ND.
5 Carbon tetrachloride was detected at 1.3 ppb, and 1,2-Dichloroethane at 0.80 ppb.
6 Bromodichloromethane was detected at 2.0 ppb, and Dibromochloromethane at 1.6 ppb.
7 All EPA Method 8240 compounds were ND.
8 Chloroethane was detected at 1.6 ppb.
9 Bromodichloromethane was detected at 15 ppb.
10 Chloromethane was detected at 1.8 ppb.
11 Bromodichloromethane and Dibromochloromethane were detected at concentrations of 1.3 ppb, and 0.65 ppb, respectively.
12 1,1,1-Trichloroethane was detected at a concentration of 1.1 ppb.
13 Bromodichloromethane, Chloroform, and Dibromochloromethane were detected at concentrations of 6.8 ppb, 9.1 ppb, and 2.6 ppb, respectively.
14 1,2-Dichloroethane was detected at a concentration of 0.86 ppb.
15 Chloroethane was detected at a concentration of 25 ppb.
16 Detection limits were raised due to matrix effects and/or other factors requiring additional sample dilution.
17 Methylene chloride was detected at 7.9 ppb.
18 Carbon tetrachloride was detected at 1.1 ppb.
19 Chloroethane was detected at a concentration of 8.5 ppb.
20 1,2 Dichloropropane was detected at a concentration of 1.8 ppb.
21 Chloroethane was detected at a concentration of 16 ppb.
22 Chloroethane was detected at a concentration of 1.6 ppb. 1,1,1 Trichloroethane was detected at a conentration of 5.2 ppb.
23 1,1,1-Trichloroethane was detected at a concentration of 1.4 ppb.
24 1,1,1-Trichloroethane was detected at a concentration of 1.1 ppb.
25 1,1,1-Trichloroethane was detected at a concentration of 8.0 ppb.

Table E-3
Groundwater Monitoring Data and Analytical Results
Petroleum Hydrocarbons
Eureka Bulk Plant #0201
Eureka, California

Well ID	Date	Ethane (ppb)[1]	Ethene (ppb)	Chloride (ppm)[2]
MW-2	05/26/99	ND[3]	ND	16
MW-4	02/24/99	ND	ND	280
	08/18/99	12.7	17	490
MW-5	02/24/99	ND	ND	19
	05/26/99	ND	ND	18
	11/16/99	1.9	ND	25
MW-17	02/24/99	ND	ND	24
	05/26/99	14.4	ND	24
	11/17/99	85.7	nd	35
MW-19	02/24/99	ND	ND	77
	08/18/99	ND	ND	3100
MW-20	02/24/99	ND	ND	11
	08/18/99	ND	ND	12
MW-30	02/25/99	ND	ND	23
	05/27/99	ND	ND	91
	08/19/99	ND	ND	130
	11/16/99	1.9	15	160
MW-31	02/25/99	ND	ND	160
	05/27/99	ND	ND	150
	08/18/99	ND	12	210
	11/16/99	4.43	29.7	240
MW-32	02/25/99	ND	ND	48
	05/27/99	ND	ND	39
	08/19/99	ND	ND	44
	11/16/99	ND	6.05	48
MW-33	02/25/99	ND	ND	42
	05/27/99	ND	ND	40
	08/19/99	ND	ND	120
	11/17/1999	ND	ND	190

Groundwater analytical results were compiled from reports prepared by MPDS Services, Inc. and Northcoast Laboratories, Ltd.

1. ppb: parts per billion
2. ppm: parts per million
3. ND: Not Detected

Appendix F

Multi-Phase Extraction System Historical Operating Parameters

Table F-1
Summary of Multi-Phase Extraction System Monitoring Data
Eureka Bulk Plant #0201
Eureka, California

Date	Cumulative Operating Hours	Influent Vacuum (inches Hg')	Ave.System Infl. Conc ppm*(v)	Effluent Conc ppm(v)	System Combustion Temp. (F)'	Removal Rate (lbs/day)*	Hydrocarbon Period (lbs)	HC Removed Cumulative (lbs)	Emmissions Rate (lbs/day)	Cumulative Emmissions (lbs)	Waste Water Discharged (pump cycles)	Waste Water Discharged (gallons)'	WW HC Conc (mg/L)"	WW HC Removal (lbs)	WW HC Removal Rate (lbs/day)	WW HC Cumulative (lbs)
2/23/03	0.00	18.0	235	30.0	1,400	--[7]	--	0	--	0	--	--	--	--		--
2/25/03	10.00	18.0	235	30.0	1,400	7.7	3	3	1.0	0	--	--	--	--		0.0
2/27/03	13.00	18.0	235	30.0	1,400	7.7	1	4	1.0	1	--	1,800	0.7	0.0	0.1	0.0
2/27/03	16.00	18.0	235	30.0	1,400	7.7	1	5	1.0	1	--	3,542	0.7	0.0	0.1	0.0
3/12/03	30.00	18.0	235	30.0	1,400	7.7	4	10	1.0	1	--	9,770	0.7	0.0	0.1	0.1
3/17/03	45.72	18.0	235	30.0	1,400	7.7	5	15	1.0	2	--	10,852	0.6	0.0	0.0	0.1
3/27/03	261.01	19.0	235	7.0	1,550	7.7	69	84	0.6	7	--	248,348	1.0	2.0	0.2	2.0
3/28/03	278.87	20.0	185	7.0	1,550	6.9	5	89	0.2	7	--	272,077	1.0	0.2	0.3	2.2
3/29/03	304.74	20.0	185	7.0	1,550	6.0	7	95	0.2	8	--	306,630	1.0	0.3	0.3	2.5
3/30/03	323.94	19.5	185	7.0	1,550	6.0	5	100	0.2	8	--	330,114	1.0	0.2	0.2	2.7
3/31/03	352.63	21.0	185	7.0	1,550	6.0	7	107	0.2	8	--	353,590	1.2	0.2	0.2	3.0
4/1/03	375.16	19.5	185	7.0	1,550	6.0	6	113	0.2	8	--	383,165	1.2	0.3	0.3	3.3
4/2/03	401.00	20.0	160	7.0	1,550	5.6	6	119	0.2	9	--	419,053	1.2	0.4	0.3	3.6
4/4/03	439.17	21.0	160	7.0	1,550	5.2	8	127	0.2	9	--	477,301	1.2	0.6	0.4	4.2
4/7/03	457.95	18.0	294	7.0	1,550	7.4	6	133	0.2	9	--	504,500	6.2	1.4	1.8	5.6
4/14/03	557.95	21.5	294	7.0	1,550	9.6	40	173	0.2	10	--	620,087	10.6	10.2	2.5	15.8
4/17/03	617.10	20.5	294	7.0	1,550	9.6	24	197	0.2	11	--	694,625	10.6	6.6	2.7	22.4
5/9/03	1,110.01	18.5	294	3.8	1,500	9.6	197	394	0.2	14	--	1,255,917	12.8	60.0	2.9	82.4
6/6/03	1,785.39	21.5	20	2.0	1,500	5.1	144	538	0.1	17	--	1,849,229	0.2	1.1	0.0	83.5
10/17/03	2,229.79	NM[8]	14	0.1	1,425	0.6	10	549	0.0	18	--	2,090,685	0.7	1.4	0.1	85.0
10/27/03	2,406.00	22.0	14	0.1	1,425	0.5	3	552	0.0	18	--	2,414,685	0.7	1.9	0.3	86.9
11/14/03	2,643.51	22.8	12	0.7	1,425	0.4	4	556	0.0	18	--	2,838,830	0.7	2.5	0.3	89.3
12/20/03	2,955.11	20.0	32	4.0	1,425	0.7	9	566	0.1	19	--	2,958,830	0.7	0.7	0.1	90.0
3/8/04	2,981.00	23.0	87	21.0	1,425	1.9	2	568	0.4	19	116	2,963,122	0.7	0.0	0.0	90.1
3/12/04	3,075.34	16.0	87	21.0	1,425	2.8	11	579	0.7	22	NM	--	--	--	--	--
3/19/04	3,240.00	22.0	87	21.0	1,425	2.8	20	598	0.7	27	NM	--	--	--	--	--
3/26/04	3,404.91	17.5	87	21.0	1,425	2.8	20	618	0.7	31	7,928	3,252,166	3.2	7.7	1.1	97.8
4/2/04	3,519.78	20.0	87	21.0	1,400	2.8	14	631	0.7	35	10,157	3,334,639	3.2	2.2	0.5	100.0
4/9/04	3,682.07	21.0	87	21.0	1,450	2.8	19	651	0.7	39	12,576	3,424,142	3.2	2.4	0.4	102.4
4/20/04	3,866.98	21.0	87	21.0	1,450	2.8	22	673	0.7	45	15,669	3,538,583	2.2	2.1	0.3	104.5
4/23/04	3,939.18	16.3	87	21.0	1,450	2.8	9	681	0.7	47	16,990	3,587,460	2.2	0.9	0.3	105.4
4/30/04	4,109.00	24.5	81	0.1	1,450	2.7	19	701	0.3	49	19,962	3,697,424	2.2	2.0	0.3	107.4
5/7/04	4,245.58	25.0	81	0.1	1,450	2.6	15	716	0.0	49	22,431	3,788,777	2.2	1.7	0.3	109.1
5/14/04	4,353.17	22.0	81	0.1	1,450	2.6	12	728	0.0	49	24,637	3,870,399	1.0	0.7	0.2	109.8
5/28/04	4,621.04	20.0	81	0.1	1,450	2.6	30	757	0.0	49	30,914	4,102,648	1.0	1.9	0.2	111.7
6/4/04	4,770.37	18.0	130	0.2	1,450	3.4	21	778	0.0	49	33,733	4,206,951	1.0	0.9	0.1	112.6
6/11/04	4,876.17	21.5	130	0.2	1,450	4.2	19	797	0.0	49	36,937	4,325,499	1.0	1.0	0.2	113.6
6/18/04	5,000.92	22.0	130	0.2	1,450	4.2	22	819	0.0	49	39,989	4,438,423	1.0	0.9	0.2	114.5
6/25/04	5,118.37	21.5	130	0.2	1,450	4.2	21	840	0.0	49	43,194	4,557,008	1.0	1.0	0.2	115.5
7/2/04	5,267.55	21.0	10	4.0	1,450	2.3	14	854	0.1	50	46,072	4,663,494	0.6	0.5	0.1	116.0
7/9/04	5,420.20	20.5	54	3.0	1,450	1.0	7	861	0.1	50	48,882	4,767,464	0.6	0.5	0.1	116.5
7/16/04	5,593.61	22.0	54	3.0	1,450	1.8	13	874	0.1	51	52,334	4,895,188	0.6	0.6	0.1	117.2
7/23/04	5,755.03	22.5	66	1.0	1,450	2.0	13	887	0.1	52	55,789	5,023,023	0.6	0.6	0.1	117.8
7/30/04	5,924.43	18.5	305	2.0	1,450	6.1	43	930	0.0	52	59,489	5,159,923	10.0	11.4	1.6	129.2
8/6/04	6,027.84	21.0	458	1.0	1,450	12.5	54	983	0.0	52	62,720	5,217,112	10.0	4.8	1.1	134.0
8/13/04	6,151.26	22.0	458	1.0	1,450	15.0	77	1,060	0.0	52	67,794	5,306,922	10.0	7.5	1.5	141.5
8/20/04	6,325.16	22.0	150	1.0	1,450	9.9	72	1,132	0.0	53	76,067	5,453,354	10.0	12.2	1.7	153.7
8/27/04	6,489.63	21.5	112	1.0	1,450	4.3	29	1,162	0.0	53	84,088	5,595,325	10.0	11.9	1.7	165.6
9/3/04	6,612.79	23.5	112	1.0	1,450	3.7	19	1,180	0.0	53	89,010	5,682,789	10.0	7.3	1.4	172.9
9/10/04	6,782.00	23.0	112	1.0	1,450	3.7	26	1,206	0.0	53	95,210	5,792,963	9.0	8.3	1.2	181.2
9/16/04	6,925.65	19.5	112	1.0	1,450	3.7	22	1,228	0.0	53	99,818	5,874,847	9.0	6.2	1.0	187.3
9/24/04	7,115.42	21.0	98	0.5	1,450	3.4	27	1,255	0.0	54	104,603	5,959,877	9.0	6.4	0.8	193.7
10/1/04	7,249.32	19.0	98	0.5	1,450	3.2	18	1,273	0.0	54	106,089	5,986,283	9.0	2.0	0.4	195.7
10/7/04	7,418.00	22.0	98	0.5	1,450	3.2	23	1,296	0.0	54	111,993	6,091,197	9.0	7.9	1.1	203.6
10/14/04	7,547.06	22.5	98	0.5	1,450	3.2	17	1,313	0.0	54	117,037	6,180,829	9.0	6.7	1.3	210.3
10/22/04	7,692.82	22.5	80	2.0	1,450	2.9	18	1,331	0.0	54	122,487	6,277,676	9.0	7.3	1.2	217.6
10/29/04	7,856.44	22.8	80	2.0	1,450	2.6	18	1,348	0.1	55	129,407	6,400,644	9.0	9.2	1.4	226.8
11/3/04	7,857.00	21.0	80	2.0	1,425	2.6	0	1,348	0.1	55	129,442	6,401,266	5.0	0.0	1.1	226.9
11/12/04	8,072.61	19.5	80	2.0	1,425	2.6	23	1,372	0.1	55	137,455	6,543,657	5.0	5.9	0.7	232.8
11/22/04	8,261.00	18.0	54	2.0	1,425	2.2	17	1,389	0.1	56	140,310	6,594,390	5.0	2.1	0.3	234.9
12/2/04	8,386.76	22.5	200	0.9	1,425	4.1	22	1,411	0.0	56	144,657	6,671,636	5.0	3.2	0.6	238.1

Table F-1
Summary of Multi-Phase Extraction System Monitoring Data
Eureka Bulk Plant #0201
Eureka, California

Date	Cumulative Operating Hours	Influent Vacuum (inches Hg[1])	Ave.System Infl. Conc ppm[2](v)	Effluent Conc ppm(v)	System Combustion Temp. (F)[3]	Removal Rate (lbs/day)[4]	Hydrocarbon Period (lbs)	HC Removed Cumulative (lbs)	Emmissions Rate (lbs/day)	Cumulative Emmissions (lbs)	Waste Water Discharged (pump cycles)	Waste Water Discharged (gallons)[5]	WW HC Conc (mg/L)[6]	WW HC Removal (lbs)	WW HC Removal Rate (lbs/day)	WW HC Cumulative (lbs)
12/10/04	8,537.63	23.0	130	2.0	1,425	5.4	34	1,445	0.0	56	150,328	6,772,410	5.0	4.2	0.7	242.3
12/17/04	8,706.35	22.0	111	1.8	1,425	3.9	28	1,472	0.1	57	155,603	6,866,147	18.4	14.4	2.0	256.7
12/24/04	8,875.49	23.5	135	3.0	1,425	4.0	28	1,501	0.1	57	161,354	6,968,342	18.4	15.7	2.2	272.4
12/30/04	8,996.00	24.5	6.3	1.0	1,425	2.3	12	1,512	0.1	57	165,240	7,037,396	18.4	10.6	2.1	283.0
1/7/05	9,160.57	22.5	343	2.0	1,425	5.7	39	1,551	0.0	58	169,657	7,115,886	18.4	12.1	1.8	295.1
1/14/05	9,250.00	22.0	146	6.0	1,425	8.0	30	1,581	0.1	58	171,490	7,148,459	11.5	3.1	0.8	298.2
1/21/05	9,412.87	21.5	81	1.5	1,425	3.7	25	1,606	0.1	59	175,429	7,218,455	11.5	6.7	1.0	305.0
1/28/05	9,534.68	22.5	99	4.0	1,425	2.9	15	1,621	0.1	60	178,529	7,273,542	11.5	5.3	1.0	310.2
2/4/05	9,681.12	21.0	79	0.6	1,425	2.9	18	1,639	0.1	60	181,760	7,330,957	11.5	5.5	0.9	315.8
2/11/05	9,848.94	21.5	48	2.5	1,425	2.1	15	1,654	0.1	60	185,724	7,401,397	11.5	6.8	1.0	322.5
2/18/05	9,960.00	22.0	406	1.0	1,425	7.4	34	1,688	0.1	61	189,270	7,464,409	11.5	6.0	1.3	328.6
2/25/05	10,003.38	21.0	70	2.0	1,425	7.8	14	1,702	0.0	61	190,500	7,486,267	80.0	14.6	8.1	343.2
3/4/05	10,170.00	22.0	44	1.5	1,425	1.9	13	1,715	0.1	61	194,347	7,563,207	80.0	51.4	7.4	394.5
3/11/05	10,303.00	19.0	10	1.0	1,425	0.9	5	1,720	0.0	61	195,847	7,593,207	80.0	20.0	3.6	414.6
3/18/05	10,469.21	20.5	13	3.0	1,425	0.4	3	1,722	0.1	62	197,995	7,636,167	0.7	0.3	0.0	414.8
3/25/05	10,478.75	22.5	13	3.0	1,425	0.4	0	1,723	0.1	62	198,145	7,639,167	0.1	0.0	0.0	414.8
4/1/05	10,641.44	20.5	34	2.0	1,425	0.8	5	1,728	0.1	62	200,723	7,690,727	0.1	0.1	0.0	414.9
4/8/05	10,808.23	20.0	34	2.0	1,425	1.1	8	1,735	0.1	63	203,194	7,740,147	0.1	0.1	0.0	414.9
4/15/05	10,976.40	22.0	12	2.0	1,425	0.8	5	1,741	0.1	63	205,890	7,794,067	0.1	0.1	0.0	415.0
4/29/05	11,122.55	22.0	6	3.0	1,425	0.3	2	1,743	0.1	64	208,174	7,839,747	0.6	0.2	0.0	415.2
5/5/05	11,265.74	21.0	23	0.1	1,425	0.5	3	1,745	0.1	64	210,051	7,877,287	0.1	0.0	0.0	415.3
5/12/05	11,433.77	23.5	11.8	0.1	1,425	0.6	4	1,749	0.0	64	213,589	7,948,047	0.1	0.1	0.0	415.3
5/20/05	11,626.00	24.0	11	0.1	1,425	0.4	3	1,752	0.0	64	217,174	8,019,747	0.1	0.1	0.0	415.4
5/27/05	11,799.48	23.0	51	0.1	1,425	1.0	7	1,760	0.0	64	221,355	8,103,367	0.1	0.1	0.0	415.5
6/3/05	11,961.03	21.5	16	3.0	1,425	1.1	7	1,767	0.1	65	225,305	8,182,367	24.3	16.0	2.4	431.5
6/9/05	12,106.55	23.0	15	1.0	1,425	0.5	3	1,770	0.1	65	229,860	8,273,467	24.3	18.5	3.0	450.0
6/24/05	12,157.00	14.0	3	3.0	1,425	0.3	1	1,771	0.1	65	231,431	8,304,887	24.3	6.4	3.0	456.3
7/1/05	12,246.22	21.0	30	4.0	1,425	0.5	2	1,773	0.1	66	234,585	8,367,967	0.6	0.3	0.1	456.6
7/8/05	12,387.25	15.0	5	2.0	1,425	0.6	3	1,776	0.1	66	238,763	8,451,527	0.6	0.4	0.1	457.0
7/15/05	12,523.05	18.0	2	1.0	1,425	0.1	1	1,777	0.0	66	243,396	8,544,187	0.6	0.4	0.1	457.5
7/22/05	12,691.43	22.0	2	0.0	1,425	0.1	0	1,777	0.0	66	248,414	8,644,547	0.6	0.5	0.1	458.0
7/29/05	12,859.43	18.5	22	4.0	1,425	0.4	3	1,780	0.1	67	252,925	8,734,767	0.6	0.4	0.1	458.4
8/5/05	13,027.20	18.0	13	4.0	1,425	0.6	4	1,784	0.1	68	257,387	8,824,007	3.3	2.5	0.4	460.9
8/12/05	13,196.00	19.0	13	4.0	1,425	0.4	3	1,787	0.1	69	262,021	8,916,687	3.3	2.6	0.4	463.4
8/19/05	13,292.12	NM	125	2.0	1,425	2.3	9	1,796	0.1	69	264,879	8,973,847	3.3	1.6	0.4	465.0
8/26/05	13,454.88	18.0	28	3.0	1,425	2.5	17	1,813	0.1	70	266,617	9,008,607	3.3	1.0	0.1	466.0
9/2/05	13,622.41	19.0	28	3.0	1,425	0.9	6	1,819	0.1	70	269,345	9,063,167	1.1	0.5	0.1	466.4
9/9/05	13,789.99	19.0	28	1.0	1,425	0.9	6	1,826	0.1	71	271,619	9,108,647	1.1	0.4	0.1	466.8
9/16/05	13,962.74	20.0	20	11.0	1,425	0.8	6	1,831	0.2	72	274,324	9,162,747	1.1	0.5	0.1	467.3
9/23/05	14,126.31	20.0	59	1.0	1,425	1.3	9	1,840	0.2	74	276,568	9,207,627	1.1	0.4	0.1	467.7
9/30/05	14,291.68	19.0	39	3.0	1,425	1.6	11	1,851	0.1	74	278,914	9,254,547	1.1	0.4	0.1	468.1
10/6/05	14,405.00	18.0	39	3.0	1,425	1.3	6	1,857	0.1	75	280,483	9,285,927	26.0	6.8	1.4	474.9
10/14/05	14,596.19	19.5	39	9.0	1,425	1.3	10	1,867	0.2	76	283,222	9,340,707	26.0	11.9	1.5	486.8
10/20/05	14,745.32	21.0	67	0.0	1,425	1.7	11	1,878	0.1	77	285,454	9,385,347	26.0	9.7	1.6	496.5
10/27/05	14,932.18	19.5	67	0.0	1,425	2.2	17	1,895	0.0	77	288,469	9,445,647	26.0	13.1	1.7	509.6
11/4/05	15,082.55	5.0	450	0.0	1,425	8.4	53	1,948	0.0	77	290,779	9,491,847	0.4	0.2	0.0	509.8
11/11/05	15,232.55	19.5	128	0.0	1,425	9.4	59	2,007	0.0	77	293,756	9,551,387	0.4	0.2	0.0	510.0
11/18/05	15,393.33	19.5	32	0.0	1,425	2.6	18	2,025	0.0	77	296,723	9,610,727	0.4	0.2	0.0	510.2
11/23/05	15,492.07	19.0	32	0.0	1,425	1.0	4	2,029	0.0	77	298,582	9,647,907	0.4	0.1	0.0	510.3
12/2/05	15,682.00	21.0	32	0.0	1,425	1.0	8	2,037	0.0	77	302,309	9,722,447	0.4	0.3	0.0	510.6
12/9/05	15,782.62	21.0	68	0.0	1,425	1.6	7	2,044	0.0	77	302,880	9,733,867	0.4	0.0	0.0	510.6
12/16/05	15,939.91	21.8	68	0.0	1,425	2.2	15	2,059	0.0	77	304,225	9,760,767	1.6	0.4	0.1	511.0
12/23/05	16,100.36	21.0	63	0.0	1,425	2.1	14	2,073	0.0	77	306,503	9,806,327	1.6	0.6	0.1	511.6
12/29/05	16,248.08	21.5	63	0.0	1,425	2.1	13	2,086	0.0	77	308,606	9,848,387	1.6	0.6	0.1	512.1

1. Hg: Mercury
2. ppm: parts per million
3. Temp. F: temperature in degrees Fahrenheit
4. lbs/day: pounds per day
5. The volume discharged is determined by the pump cycle times the volume per pump cycle. From March 8, 2004, to July 30, 2004, the volume discharged per pump cyucle was 37 gallons. From August 6, 2004, to February 25, 2005, the volume discharged per pump cycle was 17.7 gallons. From March 4, 2005 to present, the volume discharged per pump cycle was 20 gallons.
6. mg/L: milligrams per Liter
7. --: not applicable
8. NM Not Measured