

LABORATORY REPORT

Prepared For: SECOR International, Inc. - San Diego
2655 Camino del Rio, Suite 302
San Diego, CA 92108

Attention: Carole Farr
Project: ARCO 3012/Temecula, CA
Work Auth. # 28237.00

Sampled: 04/15/02
Received: 04/15/02
Reported: 04/30/02

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Del Mar Analytical, Colton
Jeanne Shoulder
Project Manager

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SECOR International, Inc. - San Diego
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Project ID: ARCO 3012/Temecula, CA
Work Auth. # 28237.00
Report Number: CLD0223

Sampled: 04/15/02
Received: 04/15/02

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
CLD0223-01	MW-12	Water	EPA 8015B EPA 8260B
CLD0223-02	MW-13	Water	EPA 8015B EPA 8260B
CLD0223-03	MW-14	Water	EPA 8015B EPA 8260B
CLD0223-04	MW-16	Water	EPA 8015B EPA 8260B
CLD0223-05	MW-17	Water	EPA 8015B EPA 8260B
CLD0223-06	MW-18	Water	EPA 8015B EPA 8260B
CLD0223-07	MW-19	Water	EPA 8015B EPA 8260B
CLD0223-08	MW-20	Water	EPA 8015B EPA 8260B
CLD0223-09	MW-21	Water	EPA 8015B EPA 8260B
CLD0223-10	MW-22	Water	EPA 8015B EPA 8260B
CLD0223-11	MW-23	Water	EPA 8015B EPA 8260B
CLD0223-12	MW-24	Water	EPA 8015B EPA 8260B
CLD0223-13	MW-25	Water	EPA 8015B EPA 8260B
CLD0223-14	MW-27	Water	EPA 8015B EPA 8260B
CLD0223-15	MW-28	Water	EPA 8015B EPA 8260B
CLD0223-16	MW-29	Water	EPA 8015B EPA 8260B

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CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
CLD0223-17	RW-1	Water	EPA 8015B EPA 8260B
CLD0223-18	RW-2	Water	EPA 8015B EPA 8260B
CLD0223-19	RW-3	Water	EPA 8015B EPA 8260B
CLD0223-20	RW-4	Water	EPA 8015B EPA 8260B
CLD0223-21	P-1	Water	EPA 8015B EPA 8260B
CLD0223-22	Trip Blank	Water	EPA 8015B EPA 8260B

SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria.

OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-01 (MW-12 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2302	50	120	1	4/23/2002	4/23/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>108 %</i>				
Sample ID: CLD0223-02 (MW-13 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	250	1200	5	4/24/2002	4/24/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>108 %</i>				
Sample ID: CLD0223-03 (MW-14 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	50	ND	1	4/24/2002	4/24/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>108 %</i>				
Sample ID: CLD0223-04 (MW-16 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	120	ND	2.5	4/24/2002	4/24/2002	QG,RL-3
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>102 %</i>				
Sample ID: CLD0223-05 (MW-17 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2302	50	ND	1	4/23/2002	4/23/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>106 %</i>				
Sample ID: CLD0223-06 (MW-18 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2302	50	ND	1	4/23/2002	4/23/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>98 %</i>				

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-07 (MW-19 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2302	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				98 %				
Sample ID: CLD0223-08 (MW-20 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2302	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				96 %				
Sample ID: CLD0223-09 (MW-21 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2302	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				97 %				
Sample ID: CLD0223-10 (MW-22 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				90 %				
Sample ID: CLD0223-11 (MW-23 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	500	4200	10	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				98 %				
Sample ID: CLD0223-12 (MW-24 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				96 %				

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-13 (MW-25 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				94 %				
Sample ID: CLD0223-14 (MW-27 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	50	ND	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				100 %				
Sample ID: CLD0223-15 (MW-28 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	500	2700	10	4/24/2002	4/24/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				104 %				
Sample ID: CLD0223-16 (MW-29 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2501	5000	28000	100	4/25/2002	4/25/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				104 %				
Sample ID: CLD0223-17 (RW-1 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	1000	13000	20	4/24/2002	4/24/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				110 %				
Sample ID: CLD0223-18 (RW-2 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	50	87	1	4/23/2002	4/23/2002	QG
Surrogate: aaa-TFT (FID) (70-140%)				100 %				

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-19 (RW-3 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2316	50	ND	1	4/23/2002	4/24/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>100 %</i>				
Sample ID: CLD0223-20 (RW-4 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	100	ND	2	4/24/2002	4/24/2002	QG,RL-3
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>110 %</i>				
Sample ID: CLD0223-21 (P-1 - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	50	ND	1	4/24/2002	4/24/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>100 %</i>				
Sample ID: CLD0223-22 (Trip Blank - Water)								
Volatile Fuel Hydrocarbons	EPA 8015B	C2D2401	50	ND	1	4/24/2002	4/24/2002	QG
<i>Surrogate: aaa-TFT (FID) (70-140%)</i>				<i>109 %</i>				

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-01 (MW-12 - Water)								
Benzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Ethylbenzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Toluene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
o-Xylene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
m,p-Xylenes	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
Xylenes, Total	EPA 8260B	C2D1707	1.5	ND	1	4/17/2002	4/17/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1707	25	ND	1	4/17/2002	4/17/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								107 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								103 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								102 %
Sample ID: CLD0223-02 (MW-13 - Water)								
Benzene	EPA 8260B	C2D1819	1.0	66	2	4/18/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1819	1.0	250	2	4/18/2002	4/19/2002	
Toluene	EPA 8260B	C2D1819	1.0	3.1	2	4/18/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1819	1.0	3.0	2	4/18/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1819	2.0	8.3	2	4/18/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1819	3.0	11	2	4/18/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1819	10	ND	2	4/18/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1819	10	ND	2	4/18/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1819	2.0	89	2	4/18/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1819	10	ND	2	4/18/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1819	50	ND	2	4/18/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								108 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								102 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								102 %

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data
			Limit	Result				
			ug/l	ug/l				
Sample ID: CLD0223-03 (MW-14 - Water)								
Benzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Ethylbenzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Toluene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
o-Xylene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
m,p-Xylenes	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
Xylenes, Total	EPA 8260B	C2D1707	1.5	ND	1	4/17/2002	4/17/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1707	1.0	2.8	1	4/17/2002	4/17/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1707	25	ND	1	4/17/2002	4/17/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				105 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				101 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				101 %				
Sample ID: CLD0223-04 (MW-16 - Water)								
Benzene	EPA 8260B	C2D1707	25	ND	50	4/17/2002	4/17/2002	
Ethylbenzene	EPA 8260B	C2D1707	25	ND	50	4/17/2002	4/17/2002	
Toluene	EPA 8260B	C2D1707	25	ND	50	4/17/2002	4/17/2002	
o-Xylene	EPA 8260B	C2D1707	25	ND	50	4/17/2002	4/17/2002	
m,p-Xylenes	EPA 8260B	C2D1707	50	ND	50	4/17/2002	4/17/2002	
Xylenes, Total	EPA 8260B	C2D1707	75	ND	50	4/17/2002	4/17/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1707	250	ND	50	4/17/2002	4/17/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1707	250	ND	50	4/17/2002	4/17/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1707	50	5400	50	4/17/2002	4/17/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1707	250	ND	50	4/17/2002	4/17/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1707	1200	ND	50	4/17/2002	4/17/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				112 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				101 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				99 %				

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-05 (MW-17 - Water)								
Benzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Ethylbenzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Toluene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
o-Xylene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
m,p-Xylenes	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
Xylenes, Total	EPA 8260B	C2D1707	1.5	ND	1	4/17/2002	4/17/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1707	1.0	11	1	4/17/2002	4/17/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1707	25	ND	1	4/17/2002	4/17/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								108 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								101 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								96 %
Sample ID: CLD0223-06 (MW-18 - Water)								
Benzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Ethylbenzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Toluene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
o-Xylene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
m,p-Xylenes	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
Xylenes, Total	EPA 8260B	C2D1707	1.5	ND	1	4/17/2002	4/17/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1707	25	ND	1	4/17/2002	4/17/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								106 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								102 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								100 %

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 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-07 (MW-19 - Water)								
Benzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Ethylbenzene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
Toluene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
o-Xylene	EPA 8260B	C2D1707	0.50	ND	1	4/17/2002	4/17/2002	
m,p-Xylenes	EPA 8260B	C2D1707	1.0	ND	1	4/17/2002	4/17/2002	
Xylenes, Total	EPA 8260B	C2D1707	1.5	ND	1	4/17/2002	4/17/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1707	1.0	1.5	1	4/17/2002	4/17/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1707	5.0	ND	1	4/17/2002	4/17/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1707	25	ND	1	4/17/2002	4/17/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								109 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								102 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								102 %
Sample ID: CLD0223-08 (MW-20 - Water)								
Benzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Ethylbenzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Toluene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
o-Xylene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
m,p-Xylenes	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
Xylenes, Total	EPA 8260B	C2D1810	1.5	ND	1	4/18/2002	4/18/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1810	25	ND	1	4/18/2002	4/18/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								108 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								100 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								99 %

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 Project Manager

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Project ID: ARCO 3012/Temecula, CA
 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data
			Limit	Result				
			ug/l	ug/l				
Sample ID: CLD0223-09 (MW-21 - Water)								
Benzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Ethylbenzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Toluene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
o-Xylene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
m,p-Xylenes	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
Xylenes, Total	EPA 8260B	C2D1810	1.5	ND	1	4/18/2002	4/18/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1810	25	ND	1	4/18/2002	4/18/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								108 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								98 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								98 %
Sample ID: CLD0223-10 (MW-22 - Water)								
Benzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Ethylbenzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Toluene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
o-Xylene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
m,p-Xylenes	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
Xylenes, Total	EPA 8260B	C2D1810	1.5	ND	1	4/18/2002	4/18/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1810	25	ND	1	4/18/2002	4/18/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								112 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								98 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								98 %

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Project ID: ARCO 3012/Temecula, CA
 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data
			Limit	Result				
			ug/l	ug/l				
Sample ID: CLD0223-11 (MW-23 - Water)								
Benzene	EPA 8260B	C2D1909	2.5	ND	5	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	2.5	370	5	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	2.5	29	5	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	2.5	59	5	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	5.0	94	5	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	7.5	150	5	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	25	ND	5	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	25	ND	5	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	5.0	9.8	5	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	25	ND	5	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	120	ND	5	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								<i>110 %</i>
<i>Surrogate: Toluene-d8 (80-120%)</i>								<i>102 %</i>
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								<i>105 %</i>
Sample ID: CLD0223-12 (MW-24 - Water)								
Benzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Ethylbenzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Toluene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
o-Xylene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
m,p-Xylenes	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
Xylenes, Total	EPA 8260B	C2D1810	1.5	ND	1	4/18/2002	4/18/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1810	1.0	1.1	1	4/18/2002	4/18/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1810	25	ND	1	4/18/2002	4/18/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								<i>104 %</i>
<i>Surrogate: Toluene-d8 (80-120%)</i>								<i>98 %</i>
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								<i>101 %</i>

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 Jeanne Shoulder
 Project Manager

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 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-13 (MW-25 - Water)								
Benzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Ethylbenzene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
Toluene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
o-Xylene	EPA 8260B	C2D1810	0.50	ND	1	4/18/2002	4/18/2002	
m,p-Xylenes	EPA 8260B	C2D1810	1.0	ND	1	4/18/2002	4/18/2002	
Xylenes, Total	EPA 8260B	C2D1810	1.5	ND	1	4/18/2002	4/18/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1810	1.0	91	1	4/18/2002	4/18/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1810	5.0	ND	1	4/18/2002	4/18/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1810	25	ND	1	4/18/2002	4/18/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								104 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								100 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								100 %
Sample ID: CLD0223-14 (MW-27 - Water)								
Benzene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	20	ND	20	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	30	ND	20	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	100	ND	20	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	100	ND	20	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	20	2000	20	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	100	ND	20	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	500	ND	20	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								106 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								102 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								104 %

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 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-15 (MW-28 - Water)								
Benzene	EPA 8260B	C2D1909	1.0	ND	2	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	1.0	290	2	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	1.0	61	2	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	1.0	220	2	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	2.0	220	2	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	3.0	440	2	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	10	ND	2	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	10	ND	2	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	2.0	80	2	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	10	ND	2	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	50	ND	2	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								<i>100 %</i>
<i>Surrogate: Toluene-d8 (80-120%)</i>								<i>101 %</i>
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								<i>102 %</i>
Sample ID: CLD0223-16 (MW-29 - Water)								
Benzene	EPA 8260B	C2D1909	50	200	100	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	50	2200	100	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	50	1300	100	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	50	3500	100	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	100	7000	100	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	150	11000	100	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	500	ND	100	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	500	ND	100	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	100	480	100	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	500	ND	100	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	2500	ND	100	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								<i>108 %</i>
<i>Surrogate: Toluene-d8 (80-120%)</i>								<i>104 %</i>
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								<i>104 %</i>

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 Jeanne Shoulder
 Project Manager

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Project ID: ARCO 3012/Temecula, CA
 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-17 (RW-1 - Water)								
Benzene	EPA 8260B	C2D1909	50	ND	100	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	50	1600	100	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	50	120	100	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	50	580	100	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	100	1500	100	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	150	2100	100	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	500	ND	100	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	500	ND	100	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	100	ND	100	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	500	ND	100	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	2500	ND	100	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>105 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>102 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>104 %</i>				
Sample ID: CLD0223-18 (RW-2 - Water)								
Benzene	EPA 8260B	C2D1909	1.0	ND	2	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	1.0	ND	2	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	1.0	ND	2	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	1.0	ND	2	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	2.0	ND	2	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	3.0	ND	2	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	10	ND	2	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	10	ND	2	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	2.0	330	2	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	10	ND	2	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	50	ND	2	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>106 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>102 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>104 %</i>				

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 Jeanne Shoulder
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Project ID: ARCO 3012/Temecula, CA
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 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: CLD0223-19 (RW-3 - Water)								
Benzene	EPA 8260B	C2D1909	20	ND	40	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	20	ND	40	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	20	ND	40	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	20	ND	40	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	40	ND	40	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	60	ND	40	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	200	ND	40	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	200	ND	40	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	40	5900	40	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	200	ND	40	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	1000	ND	40	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								106 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								102 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								102 %
Sample ID: CLD0223-20 (RW-4 - Water)								
Benzene	EPA 8260B	C2D1909	25	ND	50	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	25	ND	50	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	25	ND	50	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	25	ND	50	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	50	ND	50	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	75	ND	50	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	250	ND	50	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	250	ND	50	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	50	2000	50	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	250	ND	50	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	1200	ND	50	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								107 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								103 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								105 %

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Project ID: ARCO 3012/Temecula, CA
 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting	Sample	Dilution	Date	Date	Data
			Limit	Result				
			ug/l	ug/l				
Sample ID: CLD0223-21 (P-1 - Water)								
Benzene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	10	ND	20	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	20	ND	20	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	30	ND	20	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	100	ND	20	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	100	ND	20	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	20	2900	20	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	100	ND	20	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	500	ND	20	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								112 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								101 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								103 %
Sample ID: CLD0223-22 (Trip Blank - Water)								
Benzene	EPA 8260B	C2D1909	0.50	ND	1	4/19/2002	4/19/2002	
Ethylbenzene	EPA 8260B	C2D1909	0.50	ND	1	4/19/2002	4/19/2002	
Toluene	EPA 8260B	C2D1909	0.50	ND	1	4/19/2002	4/19/2002	
o-Xylene	EPA 8260B	C2D1909	0.50	ND	1	4/19/2002	4/19/2002	
m,p-Xylenes	EPA 8260B	C2D1909	1.0	ND	1	4/19/2002	4/19/2002	
Xylenes, Total	EPA 8260B	C2D1909	1.5	ND	1	4/19/2002	4/19/2002	
Di-isopropyl Ether (DIPE)	EPA 8260B	C2D1909	5.0	ND	1	4/19/2002	4/19/2002	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	C2D1909	5.0	ND	1	4/19/2002	4/19/2002	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	C2D1909	1.0	ND	1	4/19/2002	4/19/2002	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	C2D1909	5.0	ND	1	4/19/2002	4/19/2002	
tert-Butanol (TBA)	EPA 8260B	C2D1909	25	ND	1	4/19/2002	4/19/2002	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								96 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								100 %
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								100 %

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 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: C2D2302 Extracted: 04/23/02										
Blank Analyzed: 04/23/02 (C2D2302-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	21.4		ug/l	20.0		107	70-140			
LCS Analyzed: 04/23/02 (C2D2302-BS1)										
Volatile Fuel Hydrocarbons	225	50	ug/l	220		102	85-115			QG
Surrogate: aaa-TFT (FID)	20.2		ug/l	20.0		101	70-140			
Matrix Spike Analyzed: 04/23/02 (C2D2302-MS1) Source: CLD0223-01										
Volatile Fuel Hydrocarbons	333	50	ug/l	220	120	97	75-125			QG
Surrogate: aaa-TFT (FID)	21.2		ug/l	20.0		106	70-140			
Matrix Spike Dup Analyzed: 04/23/02 (C2D2302-MSD1) Source: CLD0223-01										
Volatile Fuel Hydrocarbons	336	50	ug/l	220	120	98	75-125	1	15	QG
Surrogate: aaa-TFT (FID)	21.0		ug/l	20.0		105	70-140			
Batch: C2D2316 Extracted: 04/23/02										
Blank Analyzed: 04/23/02 (C2D2316-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	20.1		ug/l	20.0		100	70-140			
LCS Analyzed: 04/24/02 (C2D2316-BS1)										
Volatile Fuel Hydrocarbons	216	50	ug/l	220		98	85-115			QG
Surrogate: aaa-TFT (FID)	18.8		ug/l	20.0		94	70-140			
Matrix Spike Analyzed: 04/24/02 (C2D2316-MS1) Source: CLD0223-10										
Volatile Fuel Hydrocarbons	213	50	ug/l	220	ND	97	75-125			QG
Surrogate: aaa-TFT (FID)	19.9		ug/l	20.0		100	70-140			

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Sampled: 04/15/02
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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers	
Batch: C2D2316 Extracted: 04/23/02										
Matrix Spike Dup Analyzed: 04/24/02 (C2D2316-MSD1)					Source: CLD0223-10					
Volatile Fuel Hydrocarbons	216	50	ug/l	220	ND	98	75-125	1	15	QG
Surrogate: aaa-TFT (FID)	19.4		ug/l	20.0		97	70-140			
Batch: C2D2401 Extracted: 04/24/02										
Blank Analyzed: 04/24/02 (C2D2401-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	21.6		ug/l	20.0		108	70-140			
LCS Analyzed: 04/24/02 (C2D2401-BS1)										
Volatile Fuel Hydrocarbons	247	50	ug/l	220		112	85-115			QG
Surrogate: aaa-TFT (FID)	22.4		ug/l	20.0		112	70-140			
Matrix Spike Analyzed: 04/24/02 (C2D2401-MS1)					Source: CLD0230-01					
Volatile Fuel Hydrocarbons	227	50	ug/l	220	ND	98	75-125			QG
Surrogate: aaa-TFT (FID)	22.3		ug/l	20.0		112	70-140			
Matrix Spike Dup Analyzed: 04/24/02 (C2D2401-MSD1)					Source: CLD0230-01					
Volatile Fuel Hydrocarbons	232	50	ug/l	220	ND	100	75-125	2	15	QG
Surrogate: aaa-TFT (FID)	22.4		ug/l	20.0		112	70-140			
Batch: C2D2501 Extracted: 04/25/02										
Blank Analyzed: 04/25/02 (C2D2501-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	22.6		ug/l	20.0		113	70-140			

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Sampled: 04/15/02
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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: C2D2501 Extracted: 04/25/02										
LCS Analyzed: 04/25/02 (C2D2501-BS1)										
Volatile Fuel Hydrocarbons	223	50	ug/l	220		101	85-115			QG
Surrogate: aaa-TFT (FID)	21.6		ug/l	20.0		108	70-140			
Matrix Spike Analyzed: 04/25/02 (C2D2501-MS1)										
Volatile Fuel Hydrocarbons	219	50	ug/l	220	ND	100	75-125			QG
Surrogate: aaa-TFT (FID)	20.8		ug/l	20.0		104	70-140			
Matrix Spike Dup Analyzed: 04/25/02 (C2D2501-MSD1)										
Volatile Fuel Hydrocarbons	218	50	ug/l	220	ND	99	75-125	1	15	QG
Surrogate: aaa-TFT (FID)	21.2		ug/l	20.0		106	70-140			

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Sampled: 04/15/02
 Received: 04/15/02

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: C2D1707 Extracted: 04/17/02										
Blank Analyzed: 04/17/02 (C2D1707-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	25.5		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100	80-120			
LCS Analyzed: 04/17/02 (C2D1707-BS1)										
Benzene	20.1	0.50	ug/l	25.0		80	80-120			
Ethylbenzene	20.3	0.50	ug/l	25.0		81	80-120			
Toluene	20.3	0.50	ug/l	25.0		81	80-120			
o-Xylene	20.2	0.50	ug/l	25.0		81	80-120			
m,p-Xylenes	40.5	1.0	ug/l	50.0		81	75-120			
Di-isopropyl Ether (DIPE)	23.4	5.0	ug/l	25.0		94	75-135			
Ethyl tert-Butyl Ether (ETBE)	25.9	5.0	ug/l	25.0		104	70-145			
Methyl-tert-butyl Ether (MTBE)	25.0	1.0	ug/l	25.0		100	50-145			
tert-Amyl Methyl Ether (TAME)	24.2	5.0	ug/l	25.0		97	65-140			
tert-Butanol (TBA)	114	25	ug/l	125		91	80-125			
Surrogate: Dibromofluoromethane	26.5		ug/l	25.0		106	80-120			
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104	80-120			

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 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C2D1707 Extracted: 04/17/02										
Matrix Spike Analyzed: 04/17/02 (C2D1707-MS1)					Source: CLD0214-03					
Benzene	20.9	0.50	ug/l	25.0	ND	84	80-120			
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	75-120			
Toluene	21.3	0.50	ug/l	25.0	ND	85	75-120			
o-Xylene	20.6	0.50	ug/l	25.0	ND	82	75-120			
m,p-Xylenes	40.5	1.0	ug/l	50.0	ND	81	75-120			
Di-isopropyl Ether (DIPE)	24.3	5.0	ug/l	25.0	ND	97	65-150			
Ethyl tert-Butyl Ether (ETBE)	26.8	5.0	ug/l	25.0	ND	107	65-160			
Methyl-tert-butyl Ether (MTBE)	30.6	1.0	ug/l	25.0	4.0	106	55-155			
tert-Amyl Methyl Ether (TAME)	25.1	5.0	ug/l	25.0	ND	100	65-150			
tert-Butanol (TBA)	124	25	ug/l	125	ND	99	80-140			
Surrogate: Dibromofluoromethane	27.1		ug/l	25.0		108	80-120			
Surrogate: Toluene-d8	26.0		ug/l	25.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	25.8		ug/l	25.0		103	80-120			
Matrix Spike Dup Analyzed: 04/17/02 (C2D1707-MSD1)					Source: CLD0214-03					
Benzene	21.7	0.50	ug/l	25.0	ND	87	80-120	4	20	
Ethylbenzene	21.4	0.50	ug/l	25.0	ND	86	75-120	4	20	
Toluene	21.9	0.50	ug/l	25.0	ND	88	75-120	3	20	
o-Xylene	20.8	0.50	ug/l	25.0	ND	83	75-120	1	20	
m,p-Xylenes	42.2	1.0	ug/l	50.0	ND	84	75-120	4	20	
Di-isopropyl Ether (DIPE)	24.4	5.0	ug/l	25.0	ND	98	65-150	0	20	
Ethyl tert-Butyl Ether (ETBE)	26.8	5.0	ug/l	25.0	ND	107	65-160	0	20	
Methyl-tert-butyl Ether (MTBE)	29.4	1.0	ug/l	25.0	4.0	102	55-155	4	20	
tert-Amyl Methyl Ether (TAME)	24.7	5.0	ug/l	25.0	ND	99	65-150	2	20	
tert-Butanol (TBA)	136	25	ug/l	125	ND	109	80-140	9	20	
Surrogate: Dibromofluoromethane	26.0		ug/l	25.0		104	80-120			
Surrogate: Toluene-d8	26.1		ug/l	25.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	80-120			

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Sampled: 04/15/02
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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: C2D1810 Extracted: 04/18/02										
Blank Analyzed: 04/18/02 (C2D1810-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	25.9		ug/l	25.0		104	80-120			
Surrogate: Toluene-d8	24.9		ug/l	25.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	80-120			
LCS Analyzed: 04/18/02 (C2D1810-BS1)										
Benzene	22.4	0.50	ug/l	25.0		90	80-120			
Ethylbenzene	22.5	0.50	ug/l	25.0		90	80-120			
Toluene	21.8	0.50	ug/l	25.0		87	80-120			
o-Xylene	22.0	0.50	ug/l	25.0		88	80-120			
m,p-Xylenes	41.2	1.0	ug/l	50.0		82	75-120			
Di-isopropyl Ether (DIPE)	23.2	5.0	ug/l	25.0		93	75-135			
Ethyl tert-Butyl Ether (ETBE)	24.4	5.0	ug/l	25.0		98	70-145			
Methyl-tert-butyl Ether (MTBE)	21.0	1.0	ug/l	25.0		84	50-145			
tert-Amyl Methyl Ether (TAME)	23.1	5.0	ug/l	25.0		92	65-140			
tert-Butanol (TBA)	129	25	ug/l	125		103	80-125			
Surrogate: Dibromofluoromethane	26.9		ug/l	25.0		108	80-120			
Surrogate: Toluene-d8	24.7		ug/l	25.0		99	80-120			
Surrogate: 4-Bromofluorobenzene	25.3		ug/l	25.0		101	80-120			

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Sampled: 04/15/02
 Received: 04/15/02

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C2D1810 Extracted: 04/18/02										
Matrix Spike Analyzed: 04/18/02 (C2D1810-MS1)					Source: CLD0223-09					
Benzene	20.4	0.50	ug/l	25.0	ND	82	80-120			
Ethylbenzene	21.1	0.50	ug/l	25.0	ND	84	75-120			
Toluene	20.4	0.50	ug/l	25.0	ND	82	75-120			
o-Xylene	20.9	0.50	ug/l	25.0	ND	84	75-120			
m,p-Xylenes	39.4	1.0	ug/l	50.0	ND	79	75-120			
Di-isopropyl Ether (DIPE)	20.2	5.0	ug/l	25.0	ND	81	65-150			
Ethyl tert-Butyl Ether (ETBE)	22.0	5.0	ug/l	25.0	ND	88	65-160			
Methyl-tert-butyl Ether (MTBE)	20.1	1.0	ug/l	25.0	ND	78	55-155			
tert-Amyl Methyl Ether (TAME)	20.9	5.0	ug/l	25.0	ND	84	65-150			
tert-Butanol (TBA)	121	25	ug/l	125	ND	97	80-140			
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	24.2		ug/l	25.0		97	80-120			
Surrogate: 4-Bromofluorobenzene	25.2		ug/l	25.0		101	80-120			
Matrix Spike Dup Analyzed: 04/18/02 (C2D1810-MSD1)					Source: CLD0223-09					
Benzene	22.3	0.50	ug/l	25.0	ND	89	80-120	9	20	
Ethylbenzene	23.2	0.50	ug/l	25.0	ND	93	75-120	9	20	
Toluene	22.0	0.50	ug/l	25.0	ND	88	75-120	8	20	
o-Xylene	22.6	0.50	ug/l	25.0	ND	90	75-120	8	20	
m,p-Xylenes	43.2	1.0	ug/l	50.0	ND	86	75-120	9	20	
Di-isopropyl Ether (DIPE)	22.1	5.0	ug/l	25.0	ND	88	65-150	9	20	
Ethyl tert-Butyl Ether (ETBE)	24.3	5.0	ug/l	25.0	ND	97	65-160	10	20	
Methyl-tert-butyl Ether (MTBE)	22.3	1.0	ug/l	25.0	ND	87	55-155	10	20	
tert-Amyl Methyl Ether (TAME)	23.2	5.0	ug/l	25.0	ND	93	65-150	10	20	
tert-Butanol (TBA)	131	25	ug/l	125	ND	105	80-140	8	20	
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	24.6		ug/l	25.0		98	80-120			
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		102	80-120			

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 Jeanne Shoulder
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SECOR International, Inc. - San Diego
 2655 Camino del Rio, Suite 302
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 Attention: Carole Farr

Project ID: ARCO 3012/Temecula, CA
 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: C2D1819 Extracted: 04/18/02										
Blank Analyzed: 04/18/02 (C2D1819-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99	80-120			
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	80-120			
LCS Analyzed: 04/18/02 (C2D1819-BS1)										
Benzene	21.5	0.50	ug/l	25.0		86	80-120			
Ethylbenzene	23.3	0.50	ug/l	25.0		93	80-120			
Toluene	23.6	0.50	ug/l	25.0		94	80-120			
o-Xylene	22.5	0.50	ug/l	25.0		90	80-120			
m,p-Xylenes	43.1	1.0	ug/l	50.0		86	75-120			
Di-isopropyl Ether (DIPE)	20.2	5.0	ug/l	25.0		81	75-135			
Ethyl tert-Butyl Ether (ETBE)	22.8	5.0	ug/l	25.0		91	70-145			
Methyl-tert-butyl Ether (MTBE)	20.4	1.0	ug/l	25.0		82	50-145			
tert-Amyl Methyl Ether (TAME)	22.4	5.0	ug/l	25.0		90	65-140			
tert-Butanol (TBA)	128	25	ug/l	125		102	80-125			
Surrogate: Dibromofluoromethane	24.9		ug/l	25.0		100	80-120			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99	80-120			
Surrogate: 4-Bromofluorobenzene	26.4		ug/l	25.0		106	80-120			

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 Jeanne Shoulder
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Project ID: ARCO 3012/Temecula, CA
 Work Auth. # 28237.00
 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C2D1819 Extracted: 04/18/02										
Matrix Spike Analyzed: 04/19/02 (C2D1819-MS1)					Source: CLD0240-02					
Benzene	22.9	0.50	ug/l	25.0	ND	92	80-120			
Ethylbenzene	24.5	0.50	ug/l	25.0	ND	98	75-120			
Toluene	25.1	0.50	ug/l	25.0	ND	100	75-120			
o-Xylene	23.4	0.50	ug/l	25.0	ND	94	75-120			
m,p-Xylenes	45.5	1.0	ug/l	50.0	ND	91	75-120			
Di-isopropyl Ether (DIPE)	22.7	5.0	ug/l	25.0	ND	91	65-150			
Ethyl tert-Butyl Ether (ETBE)	24.9	5.0	ug/l	25.0	ND	100	65-160			
Methyl-tert-butyl Ether (MTBE)	45.0	1.0	ug/l	25.0	22	92	55-155			
tert-Amyl Methyl Ether (TAME)	24.1	5.0	ug/l	25.0	ND	96	65-150			
tert-Butanol (TBA)	135	25	ug/l	125	ND	108	80-140			
Surrogate: Dibromofluoromethane	25.7		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	26.4		ug/l	25.0		106	80-120			
Matrix Spike Dup Analyzed: 04/19/02 (C2D1819-MSD1)					Source: CLD0240-02					
Benzene	21.0	0.50	ug/l	25.0	ND	84	80-120	9	20	
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	75-120	10	20	
Toluene	23.0	0.50	ug/l	25.0	ND	92	75-120	9	20	
o-Xylene	21.5	0.50	ug/l	25.0	ND	86	75-120	8	20	
m,p-Xylenes	40.9	1.0	ug/l	50.0	ND	82	75-120	11	20	
Di-isopropyl Ether (DIPE)	20.2	5.0	ug/l	25.0	ND	81	65-150	12	20	
Ethyl tert-Butyl Ether (ETBE)	22.9	5.0	ug/l	25.0	ND	92	65-160	8	20	
Methyl-tert-butyl Ether (MTBE)	43.0	1.0	ug/l	25.0	22	84	55-155	5	20	
tert-Amyl Methyl Ether (TAME)	22.6	5.0	ug/l	25.0	ND	90	65-150	6	20	
tert-Butanol (TBA)	124	25	ug/l	125	ND	99	80-140	8	20	
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	25.2		ug/l	25.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104	80-120			

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Sampled: 04/15/02
 Received: 04/15/02

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Data Qualifiers
Batch: C2D1909 Extracted: 04/19/02									
Blank Analyzed: 04/19/02 (C2D1909-BLK1)									
Benzene	ND	0.50	ug/l						
Ethylbenzene	ND	0.50	ug/l						
Toluene	ND	0.50	ug/l						
o-Xylene	ND	0.50	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
Xylenes, Total	ND	1.5	ug/l						
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l						
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l						
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l						
tert-Butanol (TBA)	ND	25	ug/l						
Surrogate: Dibromofluoromethane	23.8		ug/l	25.0		95		80-120	
Surrogate: Toluene-d8	25.4		ug/l	25.0		102		80-120	
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99		80-120	
LCS Analyzed: 04/19/02 (C2D1909-BS1)									
Benzene	22.6	0.50	ug/l	25.0		90		80-120	
Ethylbenzene	23.6	0.50	ug/l	25.0		94		80-120	
Toluene	22.8	0.50	ug/l	25.0		91		80-120	
o-Xylene	22.4	0.50	ug/l	25.0		90		80-120	
m,p-Xylenes	46.1	1.0	ug/l	50.0		92		75-120	
Di-isopropyl Ether (DIPE)	23.5	5.0	ug/l	25.0		94		75-135	
Ethyl tert-Butyl Ether (ETBE)	24.4	5.0	ug/l	25.0		98		70-145	
Methyl-tert-butyl Ether (MTBE)	21.2	1.0	ug/l	25.0		85		50-145	
tert-Amyl Methyl Ether (TAME)	21.5	5.0	ug/l	25.0		86		65-140	
tert-Butanol (TBA)	131	25	ug/l	125		105		80-125	
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103		80-120	
Surrogate: Toluene-d8	25.1		ug/l	25.0		100		80-120	
Surrogate: 4-Bromofluorobenzene	25.8		ug/l	25.0		103		80-120	

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 Report Number: CLD0223

Sampled: 04/15/02
 Received: 04/15/02

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C2D1909 Extracted: 04/19/02										
Matrix Spike Analyzed: 04/19/02 (C2D1909-MS1)					Source: CLD0223-11					
Benzene	112	2.5	ug/l	125	ND	90	80-120			
Ethylbenzene	472	2.5	ug/l	125	370	82	75-120			
Toluene	140	2.5	ug/l	125	29	89	75-120			
o-Xylene	171	2.5	ug/l	125	59	90	75-120			
m,p-Xylenes	323	5.0	ug/l	250	94	92	75-120			
Di-isopropyl Ether (DIPE)	121	25	ug/l	125	ND	97	65-150			
Ethyl tert-Butyl Ether (ETBE)	125	25	ug/l	125	ND	100	65-160			
Methyl-tert-butyl Ether (MTBE)	130	5.0	ug/l	125	9.8	96	55-155			
tert-Amyl Methyl Ether (TAME)	120	25	ug/l	125	ND	96	65-150			
tert-Butanol (TBA)	588	120	ug/l	625	ND	94	80-140			
Surrogate: Dibromofluoromethane	132		ug/l	125		106	80-120			
Surrogate: Toluene-d8	126		ug/l	125		101	80-120			
Surrogate: 4-Bromofluorobenzene	132		ug/l	125		106	80-120			
Matrix Spike Dup Analyzed: 04/19/02 (C2D1909-MSD1)					Source: CLD0223-11					
Benzene	115	2.5	ug/l	125	ND	92	80-120	3	20	
Ethylbenzene	466	2.5	ug/l	125	370	77	75-120	1	20	
Toluene	142	2.5	ug/l	125	29	90	75-120	1	20	
o-Xylene	171	2.5	ug/l	125	59	90	75-120	0	20	
m,p-Xylenes	321	5.0	ug/l	250	94	91	75-120	1	20	
Di-isopropyl Ether (DIPE)	117	25	ug/l	125	ND	94	65-150	3	20	
Ethyl tert-Butyl Ether (ETBE)	123	25	ug/l	125	ND	98	65-160	2	20	
Methyl-tert-butyl Ether (MTBE)	116	5.0	ug/l	125	9.8	85	55-155	11	20	
tert-Amyl Methyl Ether (TAME)	110	25	ug/l	125	ND	88	65-150	9	20	
tert-Butanol (TBA)	633	120	ug/l	625	ND	101	80-140	7	20	
Surrogate: Dibromofluoromethane	131		ug/l	125		105	80-120			
Surrogate: Toluene-d8	128		ug/l	125		102	80-120			
Surrogate: 4-Bromofluorobenzene	132		ug/l	125		106	80-120			

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 Jeanne Shoulder
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Attention: Carole Farr

Project ID: ARCO 3012/Temecula, CA
Work Auth. # 28237.00
Report Number: CLD0223

Sampled: 04/15/02
Received: 04/15/02

DATA QUALIFIERS AND DEFINITIONS

- QG** Carbon range C6-C12 quantitated against a gasoline standard.
RL-3 Reporting limit raised due to high concentrations of non-target analytes.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR Not reported.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.
The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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