



LABORATORY REPORT

Prepared For: Project Navigator
One Pointe Drive, Suite 320
Brea, CA 92821
Attention: David Tietje

Project: Prima
ETS Ascon

Sampled: 01/20/05
Received: 01/21/05
Issued: 01/25/05 16:43

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID

IOA1220-01
IOA1220-02

CLIENT ID

Ascon 30-11
Ascon 60-11

MATRIX

Soil
Soil

Reviewed By:

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager



Project Navigator
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Brea, CA 92821
Attention: David Tietje

Project ID: Prima
ETS Ascon
Report Number: IOA1220

Sampled: 01/20/05
Received: 01/21/05

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-01 (Ascon 30-11 - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	5A24055	30	260	1	1/24/2005	1/24/2005	
Sample ID: IOA1220-02 (Ascon 60-11 - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	5A24055	30	ND	1	1/24/2005	1/24/2005	RL-1

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Project Navigator
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Sampled: 01/20/05
 Received: 01/21/05

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-01 (Ascon 30-11 - Soil)								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	5A22019	200	840	40	1/22/2005	1/23/2005	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	5A22019	200	6100	40	1/22/2005	1/23/2005	
EFH (C6 - C40)	EPA 8015B MOD.	5A22019	200	7000	40	1/22/2005	1/23/2005	
<i>Surrogate: n-Octacosane (40-130%)</i>				618 %				Z3
Sample ID: IOA1220-02 (Ascon 60-11 - Soil)								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	5A22019	200	950	40	1/22/2005	1/23/2005	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	5A22019	200	7100	40	1/22/2005	1/23/2005	
EFH (C6 - C40)	EPA 8015B MOD.	5A22019	200	8000	40	1/22/2005	1/23/2005	
<i>Surrogate: n-Octacosane (40-130%)</i>				708 %				Z3

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-01 (Ascon 30-11 - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Bromobenzene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I
Bromochloromethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
Bromodichloromethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Bromoform	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
Bromomethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
n-Butylbenzene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I
sec-Butylbenzene	EPA 8260B	5A24008	5.0	52	1.01	1/24/2005	1/24/2005	I, M2
tert-Butylbenzene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I
Carbon tetrachloride	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
Chlorobenzene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Chloroethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
Chloroform	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Chloromethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
2-Chlorotoluene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I
Dibromochloromethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I
1,2-Dibromoethane (EDB)	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Dibromomethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	I
1,3-Dichlorobenzene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	I
1,4-Dichlorobenzene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	I
Dichlorodifluoromethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
1,1-Dichloroethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,2-Dichloroethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,1-Dichloroethene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,2-Dichloropropane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,3-Dichloropropane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
2,2-Dichloropropane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,1-Dichloropropene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Ethylbenzene	EPA 8260B	5A24008	2.0	41	1.01	1/24/2005	1/24/2005	M2
Isopropylbenzene	EPA 8260B	5A24008	2.0	81	1.01	1/24/2005	1/24/2005	I, M2
p-Isopropyltoluene	EPA 8260B	5A24008	2.0	87	1.01	1/24/2005	1/24/2005	I, M2
Methylene chloride	EPA 8260B	5A24008	20	ND	1.01	1/24/2005	1/24/2005	
Naphthalene	EPA 8260B	5A24008	5.0	58	1.01	1/24/2005	1/24/2005	I, M2
n-Propylbenzene	EPA 8260B	5A24008	2.0	120	1.01	1/24/2005	1/24/2005	I, M2
Styrene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-01 (Ascon 30-11 - Soil) - cont.								
Reporting Units: ug/kg								
1,1,1,2-Tetrachloroethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	I
Tetrachloroethene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Toluene	EPA 8260B	5A24008	2.0	2.9	1.01	1/24/2005	1/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I, M2
1,2,4-Trichlorobenzene	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	I, M2
1,1,1-Trichloroethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Trichloroethene	EPA 8260B	5A24008	2.0	ND	1.01	1/24/2005	1/24/2005	
Trichlorofluoromethane	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5A24008	10	ND	1.01	1/24/2005	1/24/2005	I, M1
Vinyl chloride	EPA 8260B	5A24008	5.0	ND	1.01	1/24/2005	1/24/2005	
o-Xylene	EPA 8260B	5A24008	2.0	2.4	1.01	1/24/2005	1/24/2005	
m,p-Xylenes	EPA 8260B	5A24008	2.0	19	1.01	1/24/2005	1/24/2005	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>105 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>88 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>77 %</i>				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-01RE1 (Ascon 30-11 - Soil) - cont.								
Reporting Units: ug/kg								
4-Chlorotoluene	EPA 8260B	5A25016	5.0	ND	0.962	1/25/2005	1/25/2005	A-01, I
Hexachlorobutadiene	EPA 8260B	5A25016	5.0	ND	0.962	1/25/2005	1/25/2005	A-01, I, M2
1,2,4-Trimethylbenzene	EPA 8260B	5A25016	2.0	100	0.962	1/25/2005	1/25/2005	A-01, I, M2, R-3
1,3,5-Trimethylbenzene	EPA 8260B	5A25016	2.0	41	0.962	1/25/2005	1/25/2005	A-01, I
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>111 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>97 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>88 %</i>				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-02 (Ascon 60-11 - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Bromobenzene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Bromochloromethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Bromodichloromethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Bromoform	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Bromomethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
n-Butylbenzene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
sec-Butylbenzene	EPA 8260B	5A24016	9.9	65	1.98	1/24/2005	1/25/2005	
tert-Butylbenzene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Carbon tetrachloride	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Chlorobenzene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Chloroethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Chloroform	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Chloromethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
2-Chlorotoluene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
4-Chlorotoluene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Dibromochloromethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Dibromomethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Dichlorodifluoromethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
1,1-Dichloroethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,2-Dichloroethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,1-Dichloroethene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,2-Dichloropropane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,3-Dichloropropane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
2,2-Dichloropropane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,1-Dichloropropene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Ethylbenzene	EPA 8260B	5A24016	4.0	42	1.98	1/24/2005	1/25/2005	
Hexachlorobutadiene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
Isopropylbenzene	EPA 8260B	5A24016	4.0	90	1.98	1/24/2005	1/25/2005	
p-Isopropyltoluene	EPA 8260B	5A24016	4.0	110	1.98	1/24/2005	1/25/2005	
Methylene chloride	EPA 8260B	5A24016	40	ND	1.98	1/24/2005	1/25/2005	
Naphthalene	EPA 8260B	5A24016	9.9	75	1.98	1/24/2005	1/25/2005	

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOA1220-02 (Ascon 60-11 - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	5A24016	4.0	130	1.98	1/24/2005	1/25/2005	
Styrene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Tetrachloroethene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Toluene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Trichloroethene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
Trichlorofluoromethane	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5A24016	20	ND	1.98	1/24/2005	1/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5A24016	4.0	310	1.98	1/24/2005	1/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5A24016	4.0	130	1.98	1/24/2005	1/25/2005	
Vinyl chloride	EPA 8260B	5A24016	9.9	ND	1.98	1/24/2005	1/25/2005	
o-Xylene	EPA 8260B	5A24016	4.0	ND	1.98	1/24/2005	1/25/2005	
m,p-Xylenes	EPA 8260B	5A24016	4.0	23	1.98	1/24/2005	1/25/2005	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>93 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>108 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>100 %</i>				

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METHOD BLANK/QC DATA

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5A24055 Extracted: 01/24/05										
Blank Analyzed: 01/24/2005 (5A24055-BLK1)										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
LCS Analyzed: 01/24/2005 (5A24055-BS1)										
Total Recoverable Hydrocarbons	18.9	5.0	mg/kg	20.0		94	55-130			
Matrix Spike Analyzed: 01/24/2005 (5A24055-MS1)										
Total Recoverable Hydrocarbons	45.8	15	mg/kg	60.0	ND	76	35-130			
Matrix Spike Dup Analyzed: 01/24/2005 (5A24055-MSD1)										
Total Recoverable Hydrocarbons	57.7	15	mg/kg	60.0	ND	96	35-130	23	25	

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5A22019 Extracted: 01/22/05										
Blank Analyzed: 01/22/2005 (5A22019-BLK1)										
GRO (C6 - C12)	ND	5.0	mg/kg							
DRO/ORO (C13 - C40)	ND	5.0	mg/kg							
EFH (C6 - C40)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	5.60		mg/kg	6.67		84	40-130			
LCS Analyzed: 01/22/2005 (5A22019-BS1)										
EFH (C6 - C40)	24.8	5.0	mg/kg	33.3		74	40-120			
Surrogate: n-Octacosane	4.98		mg/kg	6.67		75	40-130			
Matrix Spike Analyzed: 01/22/2005 (5A22019-MS1)					Source: IOA1272-04					
EFH (C6 - C40)	280	10	mg/kg	33.3	330	-150	30-125			M2
Surrogate: n-Octacosane	6.51		mg/kg	6.67		98	40-130			
Matrix Spike Dup Analyzed: 01/22/2005 (5A22019-MSD1)					Source: IOA1272-04					
EFH (C6 - C40)	273	10	mg/kg	33.3	330	-171	30-125	3	30	M2
Surrogate: n-Octacosane	7.10		mg/kg	6.67		106	40-130			

Del Mar Analytical, Irvine
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
Blank Analyzed: 01/24/2005 (5A24008-BLK1)										
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							

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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
Blank Analyzed: 01/24/2005 (5A24008-BLK1)										
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	45.7		ug/kg	50.0		91	80-125			
Surrogate: Toluene-d8	45.4		ug/kg	50.0		91	80-120			
Surrogate: 4-Bromofluorobenzene	43.4		ug/kg	50.0		87	80-120			

LCS Analyzed: 01/24/2005 (5A24008-BS1)

Benzene	41.4	2.0	ug/kg	50.0		83	70-120			
Bromobenzene	47.5	5.0	ug/kg	50.0		95	80-120			
Bromochloromethane	44.0	5.0	ug/kg	50.0		88	65-135			
Bromodichloromethane	39.1	2.0	ug/kg	50.0		78	70-140			
Bromoform	42.6	5.0	ug/kg	50.0		85	60-140			
Bromomethane	39.7	5.0	ug/kg	50.0		79	55-145			
n-Butylbenzene	41.3	5.0	ug/kg	50.0		83	75-130			
sec-Butylbenzene	41.0	5.0	ug/kg	50.0		82	75-125			
tert-Butylbenzene	42.7	5.0	ug/kg	50.0		85	80-125			
Carbon tetrachloride	42.3	5.0	ug/kg	50.0		85	70-140			

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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05									
LCS Analyzed: 01/24/2005 (5A24008-BS1)									
Chlorobenzene	47.3	2.0	ug/kg	50.0		95		80-125	
Chloroethane	39.3	5.0	ug/kg	50.0		79		55-145	
Chloroform	38.0	2.0	ug/kg	50.0		76		75-120	
Chloromethane	42.1	5.0	ug/kg	50.0		84		35-145	
2-Chlorotoluene	39.7	5.0	ug/kg	50.0		79		75-125	
Dibromochloromethane	46.0	2.0	ug/kg	50.0		92		65-145	
1,2-Dibromo-3-chloropropane	32.2	5.0	ug/kg	50.0		64		50-150	
1,2-Dibromoethane (EDB)	42.6	2.0	ug/kg	50.0		85		75-130	
Dibromomethane	39.4	2.0	ug/kg	50.0		79		75-130	
1,2-Dichlorobenzene	46.8	2.0	ug/kg	50.0		94		80-125	
1,3-Dichlorobenzene	45.9	2.0	ug/kg	50.0		92		80-120	
1,4-Dichlorobenzene	46.3	2.0	ug/kg	50.0		93		80-120	
Dichlorodifluoromethane	26.5	5.0	ug/kg	50.0		53		10-160	
1,1-Dichloroethane	42.1	2.0	ug/kg	50.0		84		70-135	
1,2-Dichloroethane	38.9	2.0	ug/kg	50.0		78		60-150	
1,1-Dichloroethene	42.0	5.0	ug/kg	50.0		84		75-130	
cis-1,2-Dichloroethene	41.4	2.0	ug/kg	50.0		83		70-125	
trans-1,2-Dichloroethene	43.9	2.0	ug/kg	50.0		88		70-130	
1,2-Dichloropropane	44.4	2.0	ug/kg	50.0		89		70-120	
1,3-Dichloropropane	41.4	2.0	ug/kg	50.0		83		70-130	
2,2-Dichloropropane	42.0	2.0	ug/kg	50.0		84		70-150	
1,1-Dichloropropene	40.6	2.0	ug/kg	50.0		81		75-130	
cis-1,3-Dichloropropene	41.9	2.0	ug/kg	50.0		84		75-130	
trans-1,3-Dichloropropene	41.4	2.0	ug/kg	50.0		83		75-135	
Ethylbenzene	45.6	2.0	ug/kg	50.0		91		75-125	
Isopropylbenzene	42.1	2.0	ug/kg	50.0		84		75-125	
p-Isopropyltoluene	42.8	2.0	ug/kg	50.0		86		75-125	
Methylene chloride	39.6	20	ug/kg	50.0		79		60-135	
Naphthalene	38.1	5.0	ug/kg	50.0		76		50-145	
n-Propylbenzene	42.7	2.0	ug/kg	50.0		85		75-130	
Styrene	47.2	2.0	ug/kg	50.0		94		80-135	
1,1,1,2-Tetrachloroethane	48.5	5.0	ug/kg	50.0		97		70-145	
1,1,2,2-Tetrachloroethane	40.5	2.0	ug/kg	50.0		81		60-145	
Tetrachloroethene	46.7	2.0	ug/kg	50.0		93		80-125	
Toluene	44.5	2.0	ug/kg	50.0		89		75-120	

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ETS Ascon
Report Number: IOA1220

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Received: 01/21/05

METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
LCS Analyzed: 01/24/2005 (5A24008-BS1)										
1,2,3-Trichlorobenzene	40.2	5.0	ug/kg	50.0		80	65-135			
1,2,4-Trichlorobenzene	42.1	5.0	ug/kg	50.0		84	70-140			
1,1,1-Trichloroethane	38.4	2.0	ug/kg	50.0		77	75-140			
1,1,2-Trichloroethane	39.4	2.0	ug/kg	50.0		79	70-130			
Trichloroethene	43.9	2.0	ug/kg	50.0		88	75-125			
Trichlorofluoromethane	35.1	5.0	ug/kg	50.0		70	55-145			
1,2,3-Trichloropropane	36.7	10	ug/kg	50.0		73	60-140			
1,2,4-Trimethylbenzene	41.3	2.0	ug/kg	50.0		83	75-125			
Vinyl chloride	41.3	5.0	ug/kg	50.0		83	45-130			
o-Xylene	43.7	2.0	ug/kg	50.0		87	80-125			
m,p-Xylenes	88.1	2.0	ug/kg	100		88	80-125			
Surrogate: Dibromofluoromethane	45.6		ug/kg	50.0		91	80-125			
Surrogate: Toluene-d8	46.4		ug/kg	50.0		93	80-120			
Surrogate: 4-Bromofluorobenzene	44.2		ug/kg	50.0		88	80-120			
LCS Dup Analyzed: 01/24/2005 (5A24008-BSD1)										
Benzene	40.1	2.0	ug/kg	50.0		80	70-120	3	20	
Bromobenzene	46.1	5.0	ug/kg	50.0		92	80-120	3	20	
Bromochloromethane	45.3	5.0	ug/kg	50.0		91	65-135	3	20	
Bromodichloromethane	39.6	2.0	ug/kg	50.0		79	70-140	1	20	
Bromoform	46.9	5.0	ug/kg	50.0		94	60-140	10	25	
Bromomethane	38.7	5.0	ug/kg	50.0		77	55-145	3	20	
n-Butylbenzene	39.8	5.0	ug/kg	50.0		80	75-130	4	20	
sec-Butylbenzene	39.2	5.0	ug/kg	50.0		78	75-125	4	20	
tert-Butylbenzene	40.7	5.0	ug/kg	50.0		81	80-125	5	20	
Carbon tetrachloride	41.8	5.0	ug/kg	50.0		84	70-140	1	20	
Chlorobenzene	45.6	2.0	ug/kg	50.0		91	80-125	4	20	
Chloroethane	38.8	5.0	ug/kg	50.0		78	55-145	1	25	
Chloroform	37.4	2.0	ug/kg	50.0		75	75-120	2	20	
Chloromethane	40.4	5.0	ug/kg	50.0		81	35-145	4	25	
2-Chlorotoluene	37.9	5.0	ug/kg	50.0		76	75-125	5	20	
Dibromochloromethane	48.0	2.0	ug/kg	50.0		96	65-145	4	20	
1,2-Dibromo-3-chloropropane	39.8	5.0	ug/kg	50.0		80	50-150	21	30	
1,2-Dibromoethane (EDB)	44.8	2.0	ug/kg	50.0		90	75-130	5	20	
Dibromomethane	41.9	2.0	ug/kg	50.0		84	75-130	6	20	
1,2-Dichlorobenzene	46.1	2.0	ug/kg	50.0		92	80-125	2	20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
LCS Dup Analyzed: 01/24/2005 (5A24008-BSD1)										
1,3-Dichlorobenzene	44.9	2.0	ug/kg	50.0		90	80-120	2	20	
1,4-Dichlorobenzene	45.2	2.0	ug/kg	50.0		90	80-120	2	20	
Dichlorodifluoromethane	24.4	5.0	ug/kg	50.0		49	10-160	8	30	
1,1-Dichloroethane	41.2	2.0	ug/kg	50.0		82	70-135	2	20	
1,2-Dichloroethane	40.2	2.0	ug/kg	50.0		80	60-150	3	20	
1,1-Dichloroethene	41.4	5.0	ug/kg	50.0		83	75-130	1	20	
cis-1,2-Dichloroethene	40.8	2.0	ug/kg	50.0		82	70-125	1	20	
trans-1,2-Dichloroethene	42.8	2.0	ug/kg	50.0		86	70-130	3	20	
1,2-Dichloropropane	43.8	2.0	ug/kg	50.0		88	70-120	1	20	
1,3-Dichloropropane	43.2	2.0	ug/kg	50.0		86	70-130	4	20	
2,2-Dichloropropane	40.1	2.0	ug/kg	50.0		80	70-150	5	20	
1,1-Dichloropropene	39.3	2.0	ug/kg	50.0		79	75-130	3	20	
cis-1,3-Dichloropropene	41.3	2.0	ug/kg	50.0		83	75-130	1	20	
trans-1,3-Dichloropropene	42.2	2.0	ug/kg	50.0		84	75-135	2	20	
Ethylbenzene	43.1	2.0	ug/kg	50.0		86	75-125	6	20	
Isopropylbenzene	40.1	2.0	ug/kg	50.0		80	75-125	5	20	
p-Isopropyltoluene	41.0	2.0	ug/kg	50.0		82	75-125	4	20	
Methylene chloride	40.5	20	ug/kg	50.0		81	60-135	2	20	
Naphthalene	43.0	5.0	ug/kg	50.0		86	50-145	12	25	
n-Propylbenzene	40.4	2.0	ug/kg	50.0		81	75-130	6	20	
Styrene	44.8	2.0	ug/kg	50.0		90	80-135	5	20	
1,1,1,2-Tetrachloroethane	46.0	5.0	ug/kg	50.0		92	70-145	5	20	
1,1,2,2-Tetrachloroethane	44.4	2.0	ug/kg	50.0		89	60-145	9	30	
Tetrachloroethene	43.2	2.0	ug/kg	50.0		86	80-125	8	20	
Toluene	42.4	2.0	ug/kg	50.0		85	75-120	5	20	
1,2,3-Trichlorobenzene	40.9	5.0	ug/kg	50.0		82	65-135	2	20	
1,2,4-Trichlorobenzene	41.6	5.0	ug/kg	50.0		83	70-140	1	20	
1,1,1-Trichloroethane	37.5	2.0	ug/kg	50.0		75	75-140	2	20	
1,1,2-Trichloroethane	42.2	2.0	ug/kg	50.0		84	70-130	7	20	
Trichloroethene	43.0	2.0	ug/kg	50.0		86	75-125	2	20	
Trichlorofluoromethane	34.1	5.0	ug/kg	50.0		68	55-145	3	25	
1,2,3-Trichloropropane	40.5	10	ug/kg	50.0		81	60-140	10	25	
1,2,4-Trimethylbenzene	39.0	2.0	ug/kg	50.0		78	75-125	6	20	
Vinyl chloride	35.1	5.0	ug/kg	50.0		70	45-130	16	25	
o-Xylene	41.3	2.0	ug/kg	50.0		83	80-125	6	20	

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Sampled: 01/20/05
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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
LCS Dup Analyzed: 01/24/2005 (5A24008-BSD1)										
m,p-Xylenes	83.6	2.0	ug/kg	100		84	80-125	5	20	
Surrogate: Dibromofluoromethane	44.9		ug/kg	50.0		90	80-125			
Surrogate: Toluene-d8	45.8		ug/kg	50.0		92	80-120			
Surrogate: 4-Bromofluorobenzene	43.1		ug/kg	50.0		86	80-120			
Matrix Spike Analyzed: 01/24/2005 (5A24008-MS1)										
Source: IOA1220-01										
Benzene	46.4	2.0	ug/kg	49.1	ND	95	65-130			
Bromobenzene	65.5	5.0	ug/kg	49.1	ND	133	70-135			I
Bromochloromethane	59.0	5.0	ug/kg	49.1	ND	120	65-145			
Bromodichloromethane	43.8	2.0	ug/kg	49.1	ND	89	70-145			
Bromoform	50.4	5.0	ug/kg	49.1	ND	103	60-145			
Bromomethane	49.1	5.0	ug/kg	49.1	ND	100	50-155			
n-Butylbenzene	62.4	5.0	ug/kg	49.1	ND	127	60-140			I
sec-Butylbenzene	62.2	5.0	ug/kg	49.1	52	21	65-135			I, M2
tert-Butylbenzene	46.4	5.0	ug/kg	49.1	ND	95	70-135			I
Carbon tetrachloride	42.7	5.0	ug/kg	49.1	ND	87	70-145			
Chlorobenzene	53.2	2.0	ug/kg	49.1	ND	108	80-130			
Chloroethane	48.8	5.0	ug/kg	49.1	ND	99	50-150			
Chloroform	47.5	2.0	ug/kg	49.1	0.65	95	70-130			
Chloromethane	52.4	5.0	ug/kg	49.1	ND	107	30-145			
2-Chlorotoluene	51.2	5.0	ug/kg	49.1	ND	104	65-135			I
Dibromochloromethane	56.1	2.0	ug/kg	49.1	ND	114	65-145			
1,2-Dibromo-3-chloropropane	70.0	5.0	ug/kg	49.1	ND	143	50-155			I
1,2-Dibromoethane (EDB)	57.9	2.0	ug/kg	49.1	ND	118	65-140			
Dibromomethane	50.4	2.0	ug/kg	49.1	ND	103	65-140			
1,2-Dichlorobenzene	49.1	2.0	ug/kg	49.1	ND	100	75-130			I
1,3-Dichlorobenzene	50.1	2.0	ug/kg	49.1	ND	102	70-125			I
1,4-Dichlorobenzene	51.5	2.0	ug/kg	49.1	ND	105	75-130			I
Dichlorodifluoromethane	32.7	5.0	ug/kg	49.1	ND	67	10-195			
1,1-Dichloroethane	52.4	2.0	ug/kg	49.1	ND	107	65-135			
1,2-Dichloroethane	48.7	2.0	ug/kg	49.1	ND	99	60-150			
1,1-Dichloroethene	51.1	5.0	ug/kg	49.1	ND	104	70-140			
cis-1,2-Dichloroethene	51.8	2.0	ug/kg	49.1	ND	105	60-135			
trans-1,2-Dichloroethene	53.7	2.0	ug/kg	49.1	ND	109	65-135			
1,2-Dichloropropane	50.0	2.0	ug/kg	49.1	ND	102	65-125			
1,3-Dichloropropane	55.5	2.0	ug/kg	49.1	ND	113	65-135			

Del Mar Analytical, Irvine
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Project Manager

Project Navigator
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Attention: David Tietje

Project ID: Prima
ETS Ascon
Report Number: IOA1220

Sampled: 01/20/05
Received: 01/21/05

METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
Matrix Spike Analyzed: 01/24/2005 (5A24008-MS1)					Source: IOA1220-01					
2,2-Dichloropropane	45.8	2.0	ug/kg	49.1	ND	93	60-155			
1,1-Dichloropropane	42.8	2.0	ug/kg	49.1	ND	87	65-140			
cis-1,3-Dichloropropene	46.5	2.0	ug/kg	49.1	ND	95	70-135			
trans-1,3-Dichloropropene	46.1	2.0	ug/kg	49.1	ND	94	65-140			
Ethylbenzene	67.0	2.0	ug/kg	49.1	41	53	70-135			M2
Isopropylbenzene	87.1	2.0	ug/kg	49.1	81	12	65-140			I, M2
p-Isopropyltoluene	79.8	2.0	ug/kg	49.1	87	-15	60-135			I, M2
Methylene chloride	52.6	20	ug/kg	49.1	ND	107	60-145			
Naphthalene	63.2	5.0	ug/kg	49.1	58	11	40-160			I, M2
n-Propylbenzene	101	2.0	ug/kg	49.1	120	-39	65-140			I, M2
Styrene	47.0	2.0	ug/kg	49.1	ND	96	70-145			
1,1,1,2-Tetrachloroethane	51.7	5.0	ug/kg	49.1	ND	105	70-145			
1,1,2,2-Tetrachloroethane	69.5	2.0	ug/kg	49.1	ND	142	50-155			I
Tetrachloroethene	46.0	2.0	ug/kg	49.1	ND	94	70-135			
Toluene	46.6	2.0	ug/kg	49.1	2.9	89	70-125			
1,2,3-Trichlorobenzene	24.3	5.0	ug/kg	49.1	ND	49	55-140			I, M2
1,2,4-Trichlorobenzene	24.9	5.0	ug/kg	49.1	ND	51	60-140			I, M2
1,1,1-Trichloroethane	44.8	2.0	ug/kg	49.1	ND	91	65-140			
1,1,2-Trichloroethane	56.6	2.0	ug/kg	49.1	ND	115	65-140			
Trichloroethene	49.4	2.0	ug/kg	49.1	ND	101	70-140			
Trichlorofluoromethane	41.2	5.0	ug/kg	49.1	ND	84	45-155			
1,2,3-Trichloropropane	72.2	10	ug/kg	49.1	ND	147	55-145			I, M1
Vinyl chloride	51.2	5.0	ug/kg	49.1	ND	104	45-130			
o-Xylene	43.1	2.0	ug/kg	49.1	2.4	83	70-125			
m,p-Xylenes	97.4	2.0	ug/kg	98.2	19	80	70-130			
Surrogate: Dibromofluoromethane	50.0		ug/kg	49.1		102	80-125			
Surrogate: Toluene-d8	42.7		ug/kg	49.1		87	80-120			
Surrogate: 4-Bromofluorobenzene	38.8		ug/kg	49.1		79	80-120			Z

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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
Matrix Spike Dup Analyzed: 01/24/2005 (5A24008-MSD1)					Source: IOA1220-01					
Benzene	44.6	2.0	ug/kg	50.4	ND	88	65-130	4	20	
Bromobenzene	62.5	5.0	ug/kg	50.4	ND	124	70-135	5	25	I
Bromochloromethane	52.6	5.0	ug/kg	50.4	ND	104	65-145	11	25	
Bromodichloromethane	42.1	2.0	ug/kg	50.4	ND	84	70-145	4	20	
Bromoform	50.3	5.0	ug/kg	50.4	ND	100	60-145	0	30	
Bromomethane	46.8	5.0	ug/kg	50.4	ND	93	50-155	5	25	
n-Butylbenzene	52.2	5.0	ug/kg	50.4	ND	104	60-140	18	30	I
sec-Butylbenzene	53.4	5.0	ug/kg	50.4	52	3	65-135	15	25	I, M2
tert-Butylbenzene	46.3	5.0	ug/kg	50.4	ND	92	70-135	0	25	I
Carbon tetrachloride	43.6	5.0	ug/kg	50.4	ND	87	70-145	2	25	
Chlorobenzene	53.1	2.0	ug/kg	50.4	ND	105	80-130	0	25	
Chloroethane	46.3	5.0	ug/kg	50.4	ND	92	50-150	5	25	
Chloroform	44.4	2.0	ug/kg	50.4	0.65	87	70-130	7	20	
Chloromethane	49.6	5.0	ug/kg	50.4	ND	98	30-145	5	25	
2-Chlorotoluene	49.6	5.0	ug/kg	50.4	ND	98	65-135	3	25	I
Dibromochloromethane	56.2	2.0	ug/kg	50.4	ND	112	65-145	0	25	
1,2-Dibromo-3-chloropropane	58.0	5.0	ug/kg	50.4	ND	115	50-155	19	30	I
1,2-Dibromoethane (EDB)	53.3	2.0	ug/kg	50.4	ND	106	65-140	8	25	
Dibromomethane	46.0	2.0	ug/kg	50.4	ND	91	65-140	9	25	
1,2-Dichlorobenzene	48.4	2.0	ug/kg	50.4	ND	96	75-130	1	25	I
1,3-Dichlorobenzene	49.2	2.0	ug/kg	50.4	ND	98	70-125	2	25	I
1,4-Dichlorobenzene	50.2	2.0	ug/kg	50.4	ND	100	75-130	3	25	I
Dichlorodifluoromethane	28.9	5.0	ug/kg	50.4	ND	57	10-195	12	35	
1,1-Dichloroethane	49.4	2.0	ug/kg	50.4	ND	98	65-135	6	25	
1,2-Dichloroethane	44.9	2.0	ug/kg	50.4	ND	89	60-150	8	25	
1,1-Dichloroethene	47.9	5.0	ug/kg	50.4	ND	95	70-140	6	25	
cis-1,2-Dichloroethene	48.8	2.0	ug/kg	50.4	ND	97	60-135	6	25	
trans-1,2-Dichloroethene	51.3	2.0	ug/kg	50.4	ND	102	65-135	5	25	
1,2-Dichloropropane	47.7	2.0	ug/kg	50.4	ND	95	65-125	5	20	
1,3-Dichloropropane	52.3	2.0	ug/kg	50.4	ND	104	65-135	6	25	
2,2-Dichloropropane	45.0	2.0	ug/kg	50.4	ND	89	60-155	2	25	
1,1-Dichloropropene	41.7	2.0	ug/kg	50.4	ND	83	65-140	3	20	
cis-1,3-Dichloropropene	44.2	2.0	ug/kg	50.4	ND	88	70-135	5	25	
trans-1,3-Dichloropropene	43.4	2.0	ug/kg	50.4	ND	86	65-140	6	25	
Ethylbenzene	60.5	2.0	ug/kg	50.4	41	39	70-135	10	25	M2

Del Mar Analytical, Irvine
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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5A24008 Extracted: 01/24/05										
Matrix Spike Dup Analyzed: 01/24/2005 (5A24008-MSD1)					Source: IOA1220-01					
Isopropylbenzene	72.3	2.0	ug/kg	50.4	81	-17	65-140	19	25	I, M2
p-Isopropyltoluene	65.4	2.0	ug/kg	50.4	87	-43	60-135	20	25	I, M2
Methylene chloride	48.9	20	ug/kg	50.4	ND	97	60-145	7	25	
Naphthalene	55.9	5.0	ug/kg	50.4	58	-4	40-160	12	40	I, M2
n-Propylbenzene	80.7	2.0	ug/kg	50.4	120	-78	65-140	22	25	I, M2
Styrene	48.1	2.0	ug/kg	50.4	ND	95	70-145	2	25	
1,1,1,2-Tetrachloroethane	54.3	5.0	ug/kg	50.4	ND	108	70-145	5	20	
1,1,2,2-Tetrachloroethane	55.3	2.0	ug/kg	50.4	ND	110	50-155	23	30	I
Tetrachloroethene	48.6	2.0	ug/kg	50.4	ND	96	70-135	5	25	
Toluene	46.6	2.0	ug/kg	50.4	2.9	87	70-125	0	20	
1,2,3-Trichlorobenzene	24.3	5.0	ug/kg	50.4	ND	48	55-140	0	30	I, M2
1,2,4-Trichlorobenzene	25.4	5.0	ug/kg	50.4	ND	50	60-140	2	30	I, M2
1,1,1-Trichloroethane	42.5	2.0	ug/kg	50.4	ND	84	65-140	5	20	
1,1,2-Trichloroethane	49.1	2.0	ug/kg	50.4	ND	97	65-140	14	30	
Trichloroethene	51.8	2.0	ug/kg	50.4	ND	103	70-140	5	25	
Trichlorofluoromethane	39.3	5.0	ug/kg	50.4	ND	78	45-155	5	25	
1,2,3-Trichloropropane	60.7	10	ug/kg	50.4	ND	120	55-145	17	30	I
Vinyl chloride	48.0	5.0	ug/kg	50.4	ND	95	45-130	6	30	
o-Xylene	45.8	2.0	ug/kg	50.4	2.4	86	70-125	6	25	
m,p-Xylenes	96.6	2.0	ug/kg	101	19	77	70-130	1	25	
Surrogate: Dibromofluoromethane	47.4		ug/kg	50.4		94	80-125			
Surrogate: Toluene-d8	43.4		ug/kg	50.4		86	80-120			
Surrogate: 4-Bromofluorobenzene	40.5		ug/kg	50.4		80	80-120			

Batch: 5A24016 Extracted: 01/24/05
Blank Analyzed: 01/24/2005 (5A24016-BLK1)

Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05										
Blank Analyzed: 01/24/2005 (5A24016-BLK1)										
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							
Hexachlorobutadiene	ND	5.0	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							

Del Mar Analytical, Irvine
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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05										
Blank Analyzed: 01/24/2005 (5A24016-BLK1)										
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	50.2		ug/kg	50.0		100	80-125			
Surrogate: Toluene-d8	53.4		ug/kg	50.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	52.2		ug/kg	50.0		104	80-120			
LCS Analyzed: 01/24/2005 (5A24016-BS1)										
Benzene	38.0	2.0	ug/kg	50.0		76	70-120			
Bromobenzene	47.8	5.0	ug/kg	50.0		96	80-120			
Bromochloromethane	43.4	5.0	ug/kg	50.0		87	65-135			
Bromodichloromethane	48.1	2.0	ug/kg	50.0		96	70-140			
Bromoform	49.8	5.0	ug/kg	50.0		100	60-140			
Bromomethane	51.3	5.0	ug/kg	50.0		103	55-145			
n-Butylbenzene	45.4	5.0	ug/kg	50.0		91	75-130			
sec-Butylbenzene	46.8	5.0	ug/kg	50.0		94	75-125			
tert-Butylbenzene	51.6	5.0	ug/kg	50.0		103	80-125			
Carbon tetrachloride	56.6	5.0	ug/kg	50.0		113	70-140			
Chlorobenzene	47.5	2.0	ug/kg	50.0		95	80-125			
Chloroethane	47.2	5.0	ug/kg	50.0		94	55-145			
Chloroform	42.3	2.0	ug/kg	50.0		85	75-120			
Chloromethane	38.4	5.0	ug/kg	50.0		77	35-145			
2-Chlorotoluene	44.3	5.0	ug/kg	50.0		89	75-125			
4-Chlorotoluene	45.7	5.0	ug/kg	50.0		91	80-125			

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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05									
LCS Analyzed: 01/24/2005 (5A24016-BS1)									
Dibromochloromethane	51.7	2.0	ug/kg	50.0		103		65-145	
1,2-Dibromo-3-chloropropane	41.1	5.0	ug/kg	50.0		82		50-150	
1,2-Dibromoethane (EDB)	47.4	2.0	ug/kg	50.0		95		75-130	
Dibromomethane	43.8	2.0	ug/kg	50.0		88		75-130	
1,2-Dichlorobenzene	47.6	2.0	ug/kg	50.0		95		80-125	
1,3-Dichlorobenzene	45.6	2.0	ug/kg	50.0		91		80-120	
1,4-Dichlorobenzene	45.2	2.0	ug/kg	50.0		90		80-120	
Dichlorodifluoromethane	36.3	5.0	ug/kg	50.0		73		10-160	
1,1-Dichloroethane	38.9	2.0	ug/kg	50.0		78		70-135	
1,2-Dichloroethane	51.0	2.0	ug/kg	50.0		102		60-150	
1,1-Dichloroethene	38.7	5.0	ug/kg	50.0		77		75-130	
cis-1,2-Dichloroethene	40.1	2.0	ug/kg	50.0		80		70-125	
trans-1,2-Dichloroethene	41.2	2.0	ug/kg	50.0		82		70-130	
1,2-Dichloropropane	40.3	2.0	ug/kg	50.0		81		70-120	
1,3-Dichloropropane	42.7	2.0	ug/kg	50.0		85		70-130	
2,2-Dichloropropane	43.6	2.0	ug/kg	50.0		87		70-150	
1,1-Dichloropropene	46.9	2.0	ug/kg	50.0		94		75-130	
cis-1,3-Dichloropropene	46.4	2.0	ug/kg	50.0		93		75-130	
trans-1,3-Dichloropropene	49.1	2.0	ug/kg	50.0		98		75-135	
Ethylbenzene	48.1	2.0	ug/kg	50.0		96		75-125	
Hexachlorobutadiene	51.6	5.0	ug/kg	50.0		103		75-140	
Isopropylbenzene	50.2	2.0	ug/kg	50.0		100		75-125	
p-Isopropyltoluene	48.4	2.0	ug/kg	50.0		97		75-125	
Methylene chloride	38.3	20	ug/kg	50.0		77		60-135	
Naphthalene	44.5	5.0	ug/kg	50.0		89		50-145	
n-Propylbenzene	45.8	2.0	ug/kg	50.0		92		75-130	
Styrene	48.6	2.0	ug/kg	50.0		97		80-135	
1,1,1,2-Tetrachloroethane	52.6	5.0	ug/kg	50.0		105		70-145	
1,1,2,2-Tetrachloroethane	37.7	2.0	ug/kg	50.0		75		60-145	
Tetrachloroethene	53.1	2.0	ug/kg	50.0		106		80-125	
Toluene	43.2	2.0	ug/kg	50.0		86		75-120	
1,2,3-Trichlorobenzene	46.4	5.0	ug/kg	50.0		93		65-135	
1,2,4-Trichlorobenzene	49.1	5.0	ug/kg	50.0		98		70-140	
1,1,1-Trichloroethane	52.6	2.0	ug/kg	50.0		105		75-140	
1,1,2-Trichloroethane	41.0	2.0	ug/kg	50.0		82		70-130	

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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05										
LCS Analyzed: 01/24/2005 (5A24016-BS1)										
Trichloroethene	48.9	2.0	ug/kg	50.0		98	75-125			
Trichlorofluoromethane	52.9	5.0	ug/kg	50.0		106	55-145			
1,2,3-Trichloropropane	39.7	10	ug/kg	50.0		79	60-140			
1,2,4-Trimethylbenzene	49.3	2.0	ug/kg	50.0		99	75-125			
1,3,5-Trimethylbenzene	50.5	2.0	ug/kg	50.0		101	80-125			
Vinyl chloride	48.5	5.0	ug/kg	50.0		97	45-130			
o-Xylene	47.0	2.0	ug/kg	50.0		94	80-125			
m,p-Xylenes	97.1	2.0	ug/kg	100		97	80-125			
Surrogate: Dibromofluoromethane	45.2		ug/kg	50.0		90	80-125			
Surrogate: Toluene-d8	48.2		ug/kg	50.0		96	80-120			
Surrogate: 4-Bromofluorobenzene	47.6		ug/kg	50.0		95	80-120			

Matrix Spike Analyzed: 01/24/2005 (5A24016-MS1)
Source: IOA0976-05

Benzene	42.5	2.0	ug/kg	50.5	ND	84	65-130			
Bromobenzene	53.6	5.0	ug/kg	50.5	ND	106	70-135			
Bromochloromethane	50.3	5.0	ug/kg	50.5	ND	100	65-145			
Bromodichloromethane	55.2	2.0	ug/kg	50.5	ND	109	70-145			
Bromoform	61.1	5.0	ug/kg	50.5	ND	121	60-145			
Bromomethane	59.9	5.0	ug/kg	50.5	ND	119	50-155			
n-Butylbenzene	52.2	5.0	ug/kg	50.5	ND	103	60-140			
sec-Butylbenzene	53.3	5.0	ug/kg	50.5	ND	106	65-135			
tert-Butylbenzene	58.2	5.0	ug/kg	50.5	ND	115	70-135			
Carbon tetrachloride	64.9	5.0	ug/kg	50.5	ND	129	70-145			
Chlorobenzene	53.9	2.0	ug/kg	50.5	ND	107	80-130			
Chloroethane	52.7	5.0	ug/kg	50.5	ND	104	50-150			
Chloroform	48.2	2.0	ug/kg	50.5	ND	95	70-130			
Chloromethane	44.1	5.0	ug/kg	50.5	ND	87	30-145			
2-Chlorotoluene	50.2	5.0	ug/kg	50.5	ND	99	65-135			
4-Chlorotoluene	52.0	5.0	ug/kg	50.5	ND	103	65-135			
Dibromochloromethane	61.0	2.0	ug/kg	50.5	ND	121	65-145			
1,2-Dibromo-3-chloropropane	52.7	5.0	ug/kg	50.5	ND	104	50-155			
1,2-Dibromoethane (EDB)	56.4	2.0	ug/kg	50.5	ND	112	65-140			
Dibromomethane	51.5	2.0	ug/kg	50.5	ND	102	65-140			
1,2-Dichlorobenzene	54.6	2.0	ug/kg	50.5	ND	108	75-130			
1,3-Dichlorobenzene	51.9	2.0	ug/kg	50.5	ND	103	70-125			
1,4-Dichlorobenzene	51.7	2.0	ug/kg	50.5	ND	102	75-130			

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager

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Attention: David Tietje

Project ID: Prima
ETS Ascon
Report Number: IOA1220

Sampled: 01/20/05
Received: 01/21/05

METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05										
Matrix Spike Analyzed: 01/24/2005 (5A24016-MS1)					Source: IOA0976-05					
Dichlorodifluoromethane	42.1	5.0	ug/kg	50.5	ND	83	10-195			
1,1-Dichloroethane	44.5	2.0	ug/kg	50.5	ND	88	65-135			
1,2-Dichloroethane	60.0	2.0	ug/kg	50.5	ND	119	60-150			
1,1-Dichloroethene	44.0	5.0	ug/kg	50.5	ND	87	70-140			
cis-1,2-Dichloroethene	45.0	2.0	ug/kg	50.5	ND	89	60-135			
trans-1,2-Dichloroethene	46.9	2.0	ug/kg	50.5	ND	93	65-135			
1,2-Dichloropropane	45.0	2.0	ug/kg	50.5	ND	89	65-125			
1,3-Dichloropropane	50.3	2.0	ug/kg	50.5	ND	100	65-135			
2,2-Dichloropropane	53.2	2.0	ug/kg	50.5	ND	105	60-155			
1,1-Dichloropropene	52.8	2.0	ug/kg	50.5	ND	105	65-140			
cis-1,3-Dichloropropene	53.1	2.0	ug/kg	50.5	ND	105	70-135			
trans-1,3-Dichloropropene	57.2	2.0	ug/kg	50.5	ND	113	65-140			
Ethylbenzene	54.2	2.0	ug/kg	50.5	ND	107	70-135			
Hexachlorobutadiene	57.5	5.0	ug/kg	50.5	ND	114	60-145			
Isopropylbenzene	56.7	2.0	ug/kg	50.5	ND	112	65-140			
p-Isopropyltoluene	55.0	2.0	ug/kg	50.5	ND	109	60-135			
Methylene chloride	44.1	20	ug/kg	50.5	ND	87	60-145			
Naphthalene	51.9	5.0	ug/kg	50.5	ND	103	40-160			
n-Propylbenzene	51.4	2.0	ug/kg	50.5	ND	102	65-140			
Styrene	55.3	2.0	ug/kg	50.5	ND	110	70-145			
1,1,1,2-Tetrachloroethane	60.8	5.0	ug/kg	50.5	ND	120	70-145			
1,1,2,2-Tetrachloroethane	45.9	2.0	ug/kg	50.5	ND	91	50-155			
Tetrachloroethene	59.7	2.0	ug/kg	50.5	ND	118	70-135			
Toluene	48.0	2.0	ug/kg	50.5	ND	95	70-125			
1,2,3-Trichlorobenzene	51.2	5.0	ug/kg	50.5	ND	101	55-140			
1,2,4-Trichlorobenzene	55.1	5.0	ug/kg	50.5	ND	109	60-140			
1,1,1-Trichloroethane	61.5	2.0	ug/kg	50.5	ND	122	65-140			
1,1,2-Trichloroethane	48.3	2.0	ug/kg	50.5	ND	96	65-140			
Trichloroethene	54.3	2.0	ug/kg	50.5	ND	108	70-140			
Trichlorofluoromethane	61.6	5.0	ug/kg	50.5	ND	122	45-155			
1,2,3-Trichloropropane	49.4	10	ug/kg	50.5	ND	98	55-145			
1,2,4-Trimethylbenzene	55.8	2.0	ug/kg	50.5	ND	110	65-135			
1,3,5-Trimethylbenzene	57.1	2.0	ug/kg	50.5	ND	113	70-130			
Vinyl chloride	54.6	5.0	ug/kg	50.5	ND	108	45-130			
o-Xylene	53.5	2.0	ug/kg	50.5	ND	106	70-125			

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager

Project Navigator
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Attention: David Tietje

Project ID: Prima
ETS Ascon
Report Number: IOA1220

Sampled: 01/20/05
Received: 01/21/05

METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05										
Matrix Spike Analyzed: 01/24/2005 (5A24016-MS1)					Source: IOA0976-05					
m,p-Xylenes	110	2.0	ug/kg	101	ND	109	70-130			
Surrogate: Dibromofluoromethane	51.7		ug/kg	50.5		102	80-125			
Surrogate: Toluene-d8	54.6		ug/kg	50.5		108	80-120			
Surrogate: 4-Bromofluorobenzene	54.9		ug/kg	50.5		109	80-120			
Matrix Spike Dup Analyzed: 01/24/2005 (5A24016-MSD1)					Source: IOA0976-05					
Benzene	40.1	2.0	ug/kg	48.0	ND	84	65-130	6	20	
Bromobenzene	51.2	5.0	ug/kg	48.0	ND	107	70-135	5	25	
Bromochloromethane	47.5	5.0	ug/kg	48.0	ND	99	65-145	6	25	
Bromodichloromethane	52.2	2.0	ug/kg	48.0	ND	109	70-145	6	20	
Bromoform	57.5	5.0	ug/kg	48.0	ND	120	60-145	6	30	
Bromomethane	55.3	5.0	ug/kg	48.0	ND	115	50-155	8	25	
n-Butylbenzene	48.7	5.0	ug/kg	48.0	ND	101	60-140	7	30	
sec-Butylbenzene	50.0	5.0	ug/kg	48.0	ND	104	65-135	6	25	
tert-Butylbenzene	55.4	5.0	ug/kg	48.0	ND	115	70-135	5	25	
Carbon tetrachloride	61.2	5.0	ug/kg	48.0	ND	128	70-145	6	25	
Chlorobenzene	50.7	2.0	ug/kg	48.0	ND	106	80-130	6	25	
Chloroethane	49.6	5.0	ug/kg	48.0	ND	103	50-150	6	25	
Chloroform	45.7	2.0	ug/kg	48.0	ND	95	70-130	5	20	
Chloromethane	40.7	5.0	ug/kg	48.0	ND	85	30-145	8	25	
2-Chlorotoluene	47.7	5.0	ug/kg	48.0	ND	99	65-135	5	25	
4-Chlorotoluene	49.2	5.0	ug/kg	48.0	ND	102	65-135	6	25	
Dibromochloromethane	57.4	2.0	ug/kg	48.0	ND	120	65-145	6	25	
1,2-Dibromo-3-chloropropane	49.0	5.0	ug/kg	48.0	ND	102	50-155	7	30	
1,2-Dibromoethane (EDB)	53.9	2.0	ug/kg	48.0	ND	112	65-140	5	25	
Dibromomethane	48.9	2.0	ug/kg	48.0	ND	102	65-140	5	25	
1,2-Dichlorobenzene	51.2	2.0	ug/kg	48.0	ND	107	75-130	6	25	
1,3-Dichlorobenzene	49.1	2.0	ug/kg	48.0	ND	102	70-125	6	25	
1,4-Dichlorobenzene	48.5	2.0	ug/kg	48.0	ND	101	75-130	6	25	
Dichlorodifluoromethane	37.5	5.0	ug/kg	48.0	ND	78	10-195	12	35	
1,1-Dichloroethane	41.7	2.0	ug/kg	48.0	ND	87	65-135	6	25	
1,2-Dichloroethane	55.9	2.0	ug/kg	48.0	ND	116	60-150	7	25	
1,1-Dichloroethene	41.9	5.0	ug/kg	48.0	ND	87	70-140	5	25	
cis-1,2-Dichloroethene	42.8	2.0	ug/kg	48.0	ND	89	60-135	5	25	
trans-1,2-Dichloroethene	44.5	2.0	ug/kg	48.0	ND	93	65-135	5	25	
1,2-Dichloropropane	42.8	2.0	ug/kg	48.0	ND	89	65-125	5	20	

Del Mar Analytical, Irvine
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ETS Ascon
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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 5A24016 Extracted: 01/24/05										
Matrix Spike Dup Analyzed: 01/24/2005 (5A24016-MSD1)					Source: IOA0976-05					
1,3-Dichloropropane	47.8	2.0	ug/kg	48.0	ND	100	65-135	5	25	
2,2-Dichloropropane	49.9	2.0	ug/kg	48.0	ND	104	60-155	6	25	
1,1-Dichloropropene	50.2	2.0	ug/kg	48.0	ND	105	65-140	5	20	
cis-1,3-Dichloropropene	49.8	2.0	ug/kg	48.0	ND	104	70-135	6	25	
trans-1,3-Dichloropropene	53.9	2.0	ug/kg	48.0	ND	112	65-140	6	25	
Ethylbenzene	51.5	2.0	ug/kg	48.0	ND	107	70-135	5	25	
Hexachlorobutadiene	53.0	5.0	ug/kg	48.0	ND	110	60-145	8	35	
Isopropylbenzene	53.7	2.0	ug/kg	48.0	ND	112	65-140	5	25	
p-Isopropyltoluene	52.0	2.0	ug/kg	48.0	ND	108	60-135	6	25	
Methylene chloride	40.9	20	ug/kg	48.0	ND	85	60-145	8	25	
Naphthalene	48.6	5.0	ug/kg	48.0	ND	101	40-160	7	40	
n-Propylbenzene	49.1	2.0	ug/kg	48.0	ND	102	65-140	5	25	
Styrene	51.9	2.0	ug/kg	48.0	ND	108	70-145	6	25	
1,1,1,2-Tetrachloroethane	57.2	5.0	ug/kg	48.0	ND	119	70-145	6	20	
1,1,2,2-Tetrachloroethane	44.0	2.0	ug/kg	48.0	ND	92	50-155	4	30	
Tetrachloroethene	56.2	2.0	ug/kg	48.0	ND	117	70-135	6	25	
Toluene	45.5	2.0	ug/kg	48.0	ND	95	70-125	5	20	
1,2,3-Trichlorobenzene	47.3	5.0	ug/kg	48.0	ND	99	55-140	8	30	
1,2,4-Trichlorobenzene	51.2	5.0	ug/kg	48.0	ND	107	60-140	7	30	
1,1,1-Trichloroethane	57.6	2.0	ug/kg	48.0	ND	120	65-140	7	20	
1,1,2-Trichloroethane	45.6	2.0	ug/kg	48.0	ND	95	65-140	6	30	
Trichloroethene	51.7	2.0	ug/kg	48.0	ND	108	70-140	5	25	
Trichlorofluoromethane	58.2	5.0	ug/kg	48.0	ND	121	45-155	6	25	
1,2,3-Trichloropropane	46.8	10	ug/kg	48.0	ND	98	55-145	5	30	
1,2,4-Trimethylbenzene	53.2	2.0	ug/kg	48.0	ND	111	65-135	5	25	
1,3,5-Trimethylbenzene	54.5	2.0	ug/kg	48.0	ND	114	70-130	5	25	
Vinyl chloride	51.2	5.0	ug/kg	48.0	ND	107	45-130	6	30	
o-Xylene	50.6	2.0	ug/kg	48.0	ND	105	70-125	6	25	
m,p-Xylenes	104	2.0	ug/kg	96.0	ND	108	70-130	6	25	
Surrogate: Dibromofluoromethane	49.0		ug/kg	48.0		102	80-125			
Surrogate: Toluene-d8	52.0		ug/kg	48.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	52.2		ug/kg	48.0		109	80-120			

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager

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ETS Ascon
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Sampled: 01/20/05
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METHOD BLANK/QC DATA
VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 5A25016 Extracted: 01/25/05										
Blank Analyzed: 01/25/2005 (5A25016-BLK1)										
4-Chlorotoluene	ND	5.0	ug/kg							
Hexachlorobutadiene	ND	5.0	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	45.9		ug/kg	50.0		92	80-125			
Surrogate: Toluene-d8	45.6		ug/kg	50.0		91	80-120			
Surrogate: 4-Bromofluorobenzene	42.6		ug/kg	50.0		85	80-120			
LCS Analyzed: 01/25/2005 (5A25016-BS1)										
4-Chlorotoluene	42.9	5.0	ug/kg	50.0		86	80-125			
Hexachlorobutadiene	38.4	5.0	ug/kg	50.0		77	75-140			
1,2,4-Trimethylbenzene	42.2	2.0	ug/kg	50.0		84	75-125			
1,3,5-Trimethylbenzene	43.7	2.0	ug/kg	50.0		87	80-125			
Surrogate: Dibromofluoromethane	46.1		ug/kg	50.0		92	80-125			
Surrogate: Toluene-d8	46.1		ug/kg	50.0		92	80-120			
Surrogate: 4-Bromofluorobenzene	44.5		ug/kg	50.0		89	80-120			
Matrix Spike Analyzed: 01/25/2005 (5A25016-MS1)					Source: IOA1220-01RE1					
4-Chlorotoluene	61.6	5.0	ug/kg	49.5	ND	124	65-135			A-01, I
Hexachlorobutadiene	10.1	5.0	ug/kg	49.5	ND	20	60-145			A-01, I, M2
1,2,4-Trimethylbenzene	157	2.0	ug/kg	49.5	100	115	65-135			A-01, I
1,3,5-Trimethylbenzene	93.1	2.0	ug/kg	49.5	41	105	70-130			A-01, I
Surrogate: Dibromofluoromethane	52.7		ug/kg	49.5		106	80-125			
Surrogate: Toluene-d8	49.1		ug/kg	49.5		99	80-120			
Surrogate: 4-Bromofluorobenzene	43.8		ug/kg	49.5		88	80-120			
Matrix Spike Dup Analyzed: 01/25/2005 (5A25016-MSD1)					Source: IOA1220-01RE1					
4-Chlorotoluene	51.7	4.5	ug/kg	45.0	ND	115	65-135	17	25	A-01, I
Hexachlorobutadiene	13.7	4.5	ug/kg	45.0	ND	30	60-145	30	35	A-01, I, M2
1,2,4-Trimethylbenzene	110	1.8	ug/kg	45.0	100	22	65-135	35	25	A-01, I, M2, R-3
1,3,5-Trimethylbenzene	73.0	1.8	ug/kg	45.0	41	71	70-130	24	25	A-01, I
Surrogate: Dibromofluoromethane	48.3		ug/kg	45.0		107	80-125			
Surrogate: Toluene-d8	44.6		ug/kg	45.0		99	80-120			
Surrogate: 4-Bromofluorobenzene	38.7		ug/kg	45.0		86	80-120			

Del Mar Analytical, Irvine
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Project Manager



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DATA QUALIFIERS AND DEFINITIONS

- A-01** Matrix Interference confirmed GCMS#9 1-24-05
- I** Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-1** Reporting limit raised due to sample matrix effects.
- Z** Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager



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 ETS Ascon
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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 418.1	Soil	X	X
EPA 8015B MOD.	Soil	N/A	N/A
EPA 8260B	Soil	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
 Lisa Reightley For Kathleen A. Robb
 Project Manager

TOA1220

CHAIN OF CUSTODY
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Project Manager Cindy Schreier
Project Name ETS Ascen
Job Number _____
Date 1/20/05
Turnaround Time 48 hrs

Laboratory Del Mar
Irving CA
Phone 949-~~363~~ 261-1822

SAMPLE ID	Date	Time	Matrix	# containers	Analysis	Comments
Ascen 30-11	1/20/05	1645	Soil	1	GRO/EFH TRPH VCS-8260	402
Ascen 60-11	1/20/05	1645	Soil	1		

Special Instructions
Please bill David Tietje, Project Navigator.
Please send results to David Tietje and Cindy Schreier (PRIMA)

Relinquished by:
Company PRIMA
Name J. G. Schreier
Date Time 1/20/05 - 1800

Relinquished by:
Company DMAI
Name Paul Gaudes
Date Time _____

Received by:
Company Fed Ex
Name _____
Date Time _____

Received by:
Company DMAI
Name Theresa Es
Date 1/20/05 Time 10:20 5°C

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