



LABORATORY REPORT

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

Project: Ascon Landfill Site

Sampled: 12/10/04-12/13/04  
Received: 12/13/04  
Issued: 12/28/04 13:42

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

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
INL0926-01	PNL-L1-P	Sludge
INL0926-02	PNL-L45-P	Sludge
INL0926-03	PNL-FLA-P	Sludge
INL0926-04	PNL-P-TB	Water

Reviewed By:

Del Mar Analytical, Irvine  
Kathleen A. Robb  
Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-01 (PNL-L1-P - Sludge)</b>				<b>Sampled: 12/13/04</b>				
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4L21084	15000	<b>280000</b>	100	12/21/2004	12/21/2004	
<b>Sample ID: INL0926-02 (PNL-L45-P - Sludge)</b>				<b>Sampled: 12/13/04</b>				
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4L15082	3800	<b>74000</b>	50	12/15/2004	12/15/2004	
<b>Sample ID: INL0926-03 (PNL-FLA-P - Sludge)</b>				<b>Sampled: 12/13/04</b>				
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4L15082	1500	<b>27000</b>	20	12/15/2004	12/15/2004	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-01 (PNL-L1-P - Sludge)</b>				<b>Sampled: 12/13/04</b>				
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4L18011	1000	<b>1100</b>	1000	12/18/2004	12/20/2004	
Bromobenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Bromochloromethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Bromodichloromethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Bromoform	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Bromomethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4L18011	2500	<b>6100</b>	1000	12/18/2004	12/20/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4L18011	2500	<b>5700</b>	1000	12/18/2004	12/20/2004	
tert-Butylbenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Carbon tetrachloride	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Chlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Chloroethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Chloroform	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Chloromethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
2-Chlorotoluene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
4-Chlorotoluene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Dibromochloromethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Dibromomethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dichlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,3-Dichlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,4-Dichlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Dichlorodifluoromethane	EPA 8260B	4L18011	2000	ND	1000	12/18/2004	12/20/2004	
1,1-Dichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1-Dichloroethene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
cis-1,2-Dichloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
trans-1,2-Dichloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dichloropropane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,3-Dichloropropane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
2,2-Dichloropropane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1-Dichloropropene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
cis-1,3-Dichloropropene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
trans-1,3-Dichloropropene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
<b>Ethylbenzene</b>	EPA 8260B	4L18011	1000	<b>13000</b>	1000	12/18/2004	12/20/2004	
Hexachlorobutadiene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4L18011	1000	<b>5800</b>	1000	12/18/2004	12/20/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4L18011	1000	<b>67000</b>	1000	12/18/2004	12/20/2004	
Methylene chloride	EPA 8260B	4L18011	10000	ND	1000	12/18/2004	12/20/2004	
<b>Naphthalene</b>	EPA 8260B	4L18011	2500	<b>24000</b>	1000	12/18/2004	12/20/2004	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager

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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-01 (PNL-L1-P - Sludge) - cont.</b>				<b>Sampled: 12/13/04</b>				
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4L18011	1000	<b>14000</b>	1000	12/18/2004	12/20/2004	
Styrene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
<b>1,1,2,2-Tetrachloroethane</b>	EPA 8260B	4L18011	1000	<b>1000</b>	1000	12/18/2004	12/20/2004	
Tetrachloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
<b>Toluene</b>	EPA 8260B	4L18011	1000	<b>1100</b>	1000	12/18/2004	12/20/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,1,1-Trichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1,2-Trichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Trichloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Trichlorofluoromethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,2,3-Trichloropropane	EPA 8260B	4L18011	5000	ND	1000	12/18/2004	12/20/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4L18011	1000	<b>11000</b>	1000	12/18/2004	12/20/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4L18011	1000	<b>1600</b>	1000	12/18/2004	12/20/2004	
Vinyl chloride	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
<b>o-Xylene</b>	EPA 8260B	4L18011	1000	<b>1800</b>	1000	12/18/2004	12/20/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4L18011	1000	<b>2700</b>	1000	12/18/2004	12/20/2004	
<i>Surrogate: Dibromofluoromethane (55-155%)</i>				<i>128 %</i>				
<i>Surrogate: Toluene-d8 (60-160%)</i>				<i>130 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (60-155%)</i>				<i>120 %</i>				

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-02 (PNL-L45-P - Sludge)</b>				<b>Sampled: 12/13/04</b>				
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Bromobenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Bromochloromethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Bromodichloromethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Bromoform	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Bromomethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4L18011	2500	<b>8800</b>	1000	12/18/2004	12/20/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4L18011	2500	<b>10000</b>	1000	12/18/2004	12/20/2004	
tert-Butylbenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Carbon tetrachloride	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Chlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Chloroethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Chloroform	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Chloromethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
2-Chlorotoluene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
4-Chlorotoluene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
Dibromochloromethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Dibromomethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dichlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,3-Dichlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,4-Dichlorobenzene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Dichlorodifluoromethane	EPA 8260B	4L18011	2000	ND	1000	12/18/2004	12/20/2004	
1,1-Dichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1-Dichloroethene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
cis-1,2-Dichloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
trans-1,2-Dichloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2-Dichloropropane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,3-Dichloropropane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
2,2-Dichloropropane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1-Dichloropropene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
cis-1,3-Dichloropropene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
trans-1,3-Dichloropropene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
<b>Ethylbenzene</b>	EPA 8260B	4L18011	1000	<b>11000</b>	1000	12/18/2004	12/20/2004	
Hexachlorobutadiene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4L18011	1000	<b>26000</b>	1000	12/18/2004	12/20/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4L18011	1000	<b>5000</b>	1000	12/18/2004	12/20/2004	
Methylene chloride	EPA 8260B	4L18011	10000	ND	1000	12/18/2004	12/20/2004	
<b>Naphthalene</b>	EPA 8260B	4L18011	2500	<b>20000</b>	1000	12/18/2004	12/20/2004	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager

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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-02 (PNL-L45-P - Sludge) - cont.</b>				<b>Sampled: 12/13/04</b>				
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4L18011	1000	<b>15000</b>	1000	12/18/2004	12/20/2004	
Styrene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Tetrachloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Toluene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,1,1-Trichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
1,1,2-Trichloroethane	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Trichloroethene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
Trichlorofluoromethane	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
1,2,3-Trichloropropane	EPA 8260B	4L18011	5000	ND	1000	12/18/2004	12/20/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4L18011	1000	<b>5300</b>	1000	12/18/2004	12/20/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4L18011	1000	<b>1300</b>	1000	12/18/2004	12/20/2004	
Vinyl chloride	EPA 8260B	4L18011	2500	ND	1000	12/18/2004	12/20/2004	
o-Xylene	EPA 8260B	4L18011	1000	ND	1000	12/18/2004	12/20/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4L18011	1000	<b>1800</b>	1000	12/18/2004	12/20/2004	
<i>Surrogate: Dibromofluoromethane (55-155%)</i>				<i>109 %</i>				
<i>Surrogate: Toluene-d8 (60-160%)</i>				<i>124 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (60-155%)</i>				<i>114 %</i>				

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-03 (PNL-FLA-P - Sludge)</b>				<b>Sampled: 12/13/04</b>				
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Bromobenzene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Bromochloromethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Bromodichloromethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Bromoform	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Bromomethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
n-Butylbenzene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4L26006	460	<b>3300</b>	92.6	12/26/2004	12/26/2004	
tert-Butylbenzene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Carbon tetrachloride	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Chlorobenzene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Chloroethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Chloroform	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Chloromethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
2-Chlorotoluene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
4-Chlorotoluene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
Dibromochloromethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Dibromomethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Dichlorodifluoromethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
1,1-Dichloroethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,2-Dichloroethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,1-Dichloroethene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,2-Dichloropropane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,3-Dichloropropane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
2,2-Dichloropropane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,1-Dichloropropene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
<b>Ethylbenzene</b>	EPA 8260B	4L26006	190	<b>7500</b>	92.6	12/26/2004	12/26/2004	
Hexachlorobutadiene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4L26006	190	<b>6900</b>	92.6	12/26/2004	12/26/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4L26006	190	<b>3600</b>	92.6	12/26/2004	12/26/2004	
Methylene chloride	EPA 8260B	4L26006	1900	ND	92.6	12/26/2004	12/26/2004	
<b>Naphthalene</b>	EPA 8260B	4L26006	460	<b>15000</b>	92.6	12/26/2004	12/26/2004	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager

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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-03 (PNL-FLA-P - Sludge) - cont.</b>				<b>Sampled: 12/13/04</b>				
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4L26006	190	<b>8100</b>	92.6	12/26/2004	12/26/2004	
Styrene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Tetrachloroethene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Toluene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Trichloroethene	EPA 8260B	4L26006	190	ND	92.6	12/26/2004	12/26/2004	
Trichlorofluoromethane	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
1,2,3-Trichloropropane	EPA 8260B	4L26006	930	ND	92.6	12/26/2004	12/26/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4L26006	190	<b>11000</b>	92.6	12/26/2004	12/26/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4L26006	190	<b>3300</b>	92.6	12/26/2004	12/26/2004	
Vinyl chloride	EPA 8260B	4L26006	460	ND	92.6	12/26/2004	12/26/2004	
<b>o-Xylene</b>	EPA 8260B	4L26006	190	<b>410</b>	92.6	12/26/2004	12/26/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4L26006	190	<b>2500</b>	92.6	12/26/2004	12/26/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>102 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>107 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>99 %</i>				

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager





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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-04 (PNL-P-TB - Water)</b>				<b>Sampled: 12/10/04</b>				
<b>Reporting Units: ug/l</b>								
Benzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Bromobenzene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Bromochloromethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Bromodichloromethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Bromoform	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Bromomethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
n-Butylbenzene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
sec-Butylbenzene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
tert-Butylbenzene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Carbon tetrachloride	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Chlorobenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Chloroethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Chloroform	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Chloromethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
2-Chlorotoluene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
4-Chlorotoluene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Dibromochloromethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Dibromomethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,2-Dichlorobenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,3-Dichlorobenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,4-Dichlorobenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Dichlorodifluoromethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
1,1-Dichloroethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,2-Dichloroethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,1-Dichloroethene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
cis-1,2-Dichloroethene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
trans-1,2-Dichloroethene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,2-Dichloropropane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,3-Dichloropropane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
2,2-Dichloropropane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,1-Dichloropropene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
cis-1,3-Dichloropropene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
trans-1,3-Dichloropropene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Ethylbenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Hexachlorobutadiene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Isopropylbenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
p-Isopropyltoluene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Methylene chloride	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
Naphthalene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager

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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INL0926-04 (PNL-P-TB - Water) - cont.</b>				<b>Sampled: 12/10/04</b>				
<b>Reporting Units: ug/l</b>								
n-Propylbenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Styrene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Tetrachloroethene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Toluene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
1,1,1-Trichloroethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,1,2-Trichloroethane	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Trichloroethene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Trichlorofluoromethane	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
1,2,3-Trichloropropane	EPA 8260B	4L22010	10	ND	1	12/22/2004	12/22/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
Vinyl chloride	EPA 8260B	4L22010	5.0	ND	1	12/22/2004	12/22/2004	
o-Xylene	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
m,p-Xylenes	EPA 8260B	4L22010	2.0	ND	1	12/22/2004	12/22/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				110 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				107 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				105 %				

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager

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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L15082 Extracted: 12/15/04</b>										
<b>Blank Analyzed: 12/15/2004 (4L15082-BLK1)</b>										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
<b>LCS Analyzed: 12/15/2004 (4L15082-BS1)</b>										
Total Recoverable Hydrocarbons	18.3	5.0	mg/kg	20.0		92	55-130			
<b>Matrix Spike Analyzed: 12/15/2004 (4L15082-MS1)</b>										
					<b>Source: INL0838-01</b>					
Total Recoverable Hydrocarbons	193000	3000	mg/kg	120	220000	-22500	35-130			M-HA
<b>Matrix Spike Dup Analyzed: 12/15/2004 (4L15082-MSD1)</b>										
					<b>Source: INL0838-01</b>					
Total Recoverable Hydrocarbons	192000	3000	mg/kg	120	220000	-23300	35-130	1	25	M-HA
<b>Batch: 4L21084 Extracted: 12/21/04</b>										
<b>Blank Analyzed: 12/21/2004 (4L21084-BLK1)</b>										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
<b>LCS Analyzed: 12/21/2004 (4L21084-BS1)</b>										
Total Recoverable Hydrocarbons	17.8	5.0	mg/kg	20.0		89	55-130			
<b>Matrix Spike Analyzed: 12/21/2004 (4L21084-MS1)</b>										
					<b>Source: INL1171-01</b>					
Total Recoverable Hydrocarbons	592	5.0	mg/kg	20.0	680	-440	35-130			M2
<b>Matrix Spike Dup Analyzed: 12/21/2004 (4L21084-MSD1)</b>										
					<b>Source: INL1171-01</b>					
Total Recoverable Hydrocarbons	563	5.0	mg/kg	20.0	680	-585	35-130	5	25	M2

Del Mar Analytical, Irvine  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>Blank Analyzed: 12/18/2004 (4L18011-BLK1)</b>										
Benzene	ND	100	ug/kg							
Bromobenzene	ND	250	ug/kg							
Bromochloromethane	ND	250	ug/kg							
Bromodichloromethane	ND	100	ug/kg							
Bromoform	ND	250	ug/kg							
Bromomethane	ND	250	ug/kg							
n-Butylbenzene	ND	250	ug/kg							
sec-Butylbenzene	ND	250	ug/kg							
tert-Butylbenzene	ND	250	ug/kg							
Carbon tetrachloride	ND	250	ug/kg							
Chlorobenzene	ND	100	ug/kg							
Chloroethane	ND	250	ug/kg							
Chloroform	ND	100	ug/kg							
Chloromethane	ND	250	ug/kg							
2-Chlorotoluene	ND	250	ug/kg							
4-Chlorotoluene	ND	250	ug/kg							
Dibromochloromethane	ND	100	ug/kg							
1,2-Dibromo-3-chloropropane	ND	250	ug/kg							
1,2-Dibromoethane (EDB)	ND	100	ug/kg							
Dibromomethane	ND	100	ug/kg							
1,2-Dichlorobenzene	ND	100	ug/kg							
1,3-Dichlorobenzene	ND	100	ug/kg							
1,4-Dichlorobenzene	ND	100	ug/kg							
Dichlorodifluoromethane	ND	200	ug/kg							
1,1-Dichloroethane	ND	100	ug/kg							
1,2-Dichloroethane	ND	100	ug/kg							
1,1-Dichloroethene	ND	250	ug/kg							
cis-1,2-Dichloroethene	ND	100	ug/kg							
trans-1,2-Dichloroethene	ND	100	ug/kg							
1,2-Dichloropropane	ND	100	ug/kg							
1,3-Dichloropropane	ND	100	ug/kg							
2,2-Dichloropropane	ND	100	ug/kg							
1,1-Dichloropropene	ND	100	ug/kg							
cis-1,3-Dichloropropene	ND	100	ug/kg							
trans-1,3-Dichloropropene	ND	100	ug/kg							

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>Blank Analyzed: 12/18/2004 (4L18011-BLK1)</b>										
Ethylbenzene	ND	100	ug/kg							
Hexachlorobutadiene	ND	250	ug/kg							
Isopropylbenzene	ND	100	ug/kg							
p-Isopropyltoluene	ND	100	ug/kg							
Methylene chloride	ND	1000	ug/kg							
Naphthalene	ND	250	ug/kg							
n-Propylbenzene	ND	100	ug/kg							
Styrene	ND	100	ug/kg							
1,1,1,2-Tetrachloroethane	ND	250	ug/kg							
1,1,2,2-Tetrachloroethane	ND	100	ug/kg							
Tetrachloroethene	ND	100	ug/kg							
Toluene	ND	100	ug/kg							
1,2,3-Trichlorobenzene	ND	250	ug/kg							
1,2,4-Trichlorobenzene	ND	250	ug/kg							
1,1,1-Trichloroethane	ND	100	ug/kg							
1,1,2-Trichloroethane	ND	100	ug/kg							
Trichloroethene	ND	100	ug/kg							
Trichlorofluoromethane	ND	250	ug/kg							
1,2,3-Trichloropropane	ND	500	ug/kg							
1,2,4-Trimethylbenzene	ND	100	ug/kg							
1,3,5-Trimethylbenzene	ND	100	ug/kg							
Vinyl chloride	ND	250	ug/kg							
o-Xylene	ND	100	ug/kg							
m,p-Xylenes	ND	100	ug/kg							
Surrogate: Dibromofluoromethane	2550		ug/kg	2500		102	55-155			
Surrogate: Toluene-d8	2200		ug/kg	2500		88	60-160			
Surrogate: 4-Bromofluorobenzene	2580		ug/kg	2500		103	60-155			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>LCS Analyzed: 12/19/2004 (4L18011-BS1)</b>										
Benzene	2740	100	ug/kg	2500		110	75-120			
Bromobenzene	2720	250	ug/kg	2500		109	80-120			
Bromochloromethane	2950	250	ug/kg	2500		118	65-135			
Bromodichloromethane	2810	100	ug/kg	2500		112	70-140			
Bromoform	2300	250	ug/kg	2500		92	60-130			
Bromomethane	2480	250	ug/kg	2500		99	30-140			
n-Butylbenzene	2650	250	ug/kg	2500		106	80-130			
sec-Butylbenzene	2680	250	ug/kg	2500		107	75-125			
tert-Butylbenzene	2670	250	ug/kg	2500		107	80-125			
Carbon tetrachloride	2790	250	ug/kg	2500		112	70-140			
Chlorobenzene	2870	100	ug/kg	2500		115	80-125			
Chloroethane	2150	250	ug/kg	2500		86	35-145			
Chloroform	2820	100	ug/kg	2500		113	75-125			
Chloromethane	2510	250	ug/kg	2500		100	30-145			
2-Chlorotoluene	2560	250	ug/kg	2500		102	75-125			
4-Chlorotoluene	2600	250	ug/kg	2500		104	80-125			
Dibromochloromethane	2870	100	ug/kg	2500		115	65-145			
1,2-Dibromo-3-chloropropane	1950	250	ug/kg	2500		78	45-135			
1,2-Dibromoethane (EDB)	2680	100	ug/kg	2500		107	75-130			
Dibromomethane	2730	100	ug/kg	2500		109	75-135			
1,2-Dichlorobenzene	2680	100	ug/kg	2500		107	80-120			
1,3-Dichlorobenzene	2690	100	ug/kg	2500		108	80-120			
1,4-Dichlorobenzene	2750	100	ug/kg	2500		110	80-120			
Dichlorodifluoromethane	2200	200	ug/kg	2500		88	10-160			
1,1-Dichloroethane	2700	100	ug/kg	2500		108	70-135			
1,2-Dichloroethane	2640	100	ug/kg	2500		106	60-150			
1,1-Dichloroethene	2900	250	ug/kg	2500		116	80-140			
cis-1,2-Dichloroethene	2900	100	ug/kg	2500		116	70-130			
trans-1,2-Dichloroethene	2940	100	ug/kg	2500		118	70-130			
1,2-Dichloropropane	2780	100	ug/kg	2500		111	75-125			
1,3-Dichloropropane	2670	100	ug/kg	2500		107	75-130			
2,2-Dichloropropane	2630	100	ug/kg	2500		105	65-150			
1,1-Dichloropropene	2810	100	ug/kg	2500		112	75-130			
cis-1,3-Dichloropropene	2780	100	ug/kg	2500		111	75-130			
trans-1,3-Dichloropropene	2660	100	ug/kg	2500		106	75-135			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>LCS Analyzed: 12/19/2004 (4L18011-BS1)</b>										
Ethylbenzene	2830	100	ug/kg	2500		113	80-120			
Hexachlorobutadiene	2510	250	ug/kg	2500		100	75-140			
Isopropylbenzene	2720	100	ug/kg	2500		109	75-125			
p-Isopropyltoluene	2620	100	ug/kg	2500		105	80-125			
Methylene chloride	2880	1000	ug/kg	2500		115	60-145			
Naphthalene	2240	250	ug/kg	2500		90	50-145			
n-Propylbenzene	2640	100	ug/kg	2500		106	75-130			
Styrene	2870	100	ug/kg	2500		115	80-135			
1,1,1,2-Tetrachloroethane	2920	250	ug/kg	2500		117	70-145			
1,1,2,2-Tetrachloroethane	2660	100	ug/kg	2500		106	55-135			
Tetrachloroethene	2880	100	ug/kg	2500		115	80-125			
Toluene	2840	100	ug/kg	2500		114	80-120			
1,2,3-Trichlorobenzene	2550	250	ug/kg	2500		102	65-135			
1,2,4-Trichlorobenzene	2650	250	ug/kg	2500		106	70-140			
1,1,1-Trichloroethane	2800	100	ug/kg	2500		112	75-140			
1,1,2-Trichloroethane	2700	100	ug/kg	2500		108	70-130			
Trichloroethene	2770	100	ug/kg	2500		111	80-130			
Trichlorofluoromethane	3020	250	ug/kg	2500		121	55-145			
1,2,3-Trichloropropane	2280	500	ug/kg	2500		91	60-130			
1,2,4-Trimethylbenzene	2640	100	ug/kg	2500		106	80-125			
1,3,5-Trimethylbenzene	2660	100	ug/kg	2500		106	80-125			
Vinyl chloride	603	250	ug/kg	2500		24	10-120			
o-Xylene	2840	100	ug/kg	2500		114	80-125			
m,p-Xylenes	5800	100	ug/kg	5000		116	80-120			
Surrogate: Dibromofluoromethane	2450		ug/kg	2500		98	55-155			
Surrogate: Toluene-d8	2290		ug/kg	2500		92	60-160			
Surrogate: 4-Bromofluorobenzene	2480		ug/kg	2500		99	60-155			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>LCS Dup Analyzed: 12/19/2004 (4L18011-BSD1)</b>										
Benzene	2790	100	ug/kg	2500		112	75-120	2	20	
Bromobenzene	2820	250	ug/kg	2500		113	80-120	4	20	
Bromochloromethane	3090	250	ug/kg	2500		124	65-135	5	20	
Bromodichloromethane	2890	100	ug/kg	2500		116	70-140	3	20	
Bromoform	2570	250	ug/kg	2500		103	60-130	11	25	
Bromomethane	2380	250	ug/kg	2500		95	30-140	4	30	
n-Butylbenzene	2700	250	ug/kg	2500		108	80-130	2	20	
sec-Butylbenzene	2720	250	ug/kg	2500		109	75-125	1	20	
tert-Butylbenzene	2720	250	ug/kg	2500		109	80-125	2	20	
Carbon tetrachloride	2870	250	ug/kg	2500		115	70-140	3	20	
Chlorobenzene	2890	100	ug/kg	2500		116	80-125	1	20	
Chloroethane	2000	250	ug/kg	2500		80	35-145	7	25	
Chloroform	2860	100	ug/kg	2500		114	75-125	1	20	
Chloromethane	2540	250	ug/kg	2500		102	30-145	1	25	
2-Chlorotoluene	2610	250	ug/kg	2500		104	75-125	2	20	
4-Chlorotoluene	2630	250	ug/kg	2500		105	80-125	1	20	
Dibromochloromethane	3010	100	ug/kg	2500		120	65-145	5	20	
1,2-Dibromo-3-chloropropane	2290	250	ug/kg	2500		92	45-135	16	25	
1,2-Dibromoethane (EDB)	2920	100	ug/kg	2500		117	75-130	9	20	
Dibromomethane	2940	100	ug/kg	2500		118	75-135	7	20	
1,2-Dichlorobenzene	2780	100	ug/kg	2500		111	80-120	4	20	
1,3-Dichlorobenzene	2760	100	ug/kg	2500		110	80-120	3	20	
1,4-Dichlorobenzene	2800	100	ug/kg	2500		112	80-120	2	20	
Dichlorodifluoromethane	2150	200	ug/kg	2500		86	10-160	2	30	
1,1-Dichloroethane	2750	100	ug/kg	2500		110	70-135	2	20	
1,2-Dichloroethane	2800	100	ug/kg	2500		112	60-150	6	20	
1,1-Dichloroethene	2920	250	ug/kg	2500		117	80-140	1	20	
cis-1,2-Dichloroethene	2970	100	ug/kg	2500		119	70-130	2	20	
trans-1,2-Dichloroethene	3010	100	ug/kg	2500		120	70-130	2	20	
1,2-Dichloropropane	2840	100	ug/kg	2500		114	75-125	2	20	
1,3-Dichloropropane	2810	100	ug/kg	2500		112	75-130	5	20	
2,2-Dichloropropane	2580	100	ug/kg	2500		103	65-150	2	25	
1,1-Dichloropropene	2880	100	ug/kg	2500		115	75-130	2	20	
cis-1,3-Dichloropropene	2860	100	ug/kg	2500		114	75-130	3	20	
trans-1,3-Dichloropropene	2820	100	ug/kg	2500		113	75-135	6	20	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager





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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>LCS Dup Analyzed: 12/19/2004 (4L18011-BSD1)</b>										
Ethylbenzene	2860	100	ug/kg	2500		114	80-120	1	20	
Hexachlorobutadiene	2560	250	ug/kg	2500		102	75-140	2	20	
Isopropylbenzene	2740	100	ug/kg	2500		110	75-125	1	20	
p-Isopropyltoluene	2670	100	ug/kg	2500		107	80-125	2	20	
Methylene chloride	2980	1000	ug/kg	2500		119	60-145	3	20	
Naphthalene	2530	250	ug/kg	2500		101	50-145	12	25	
n-Propylbenzene	2680	100	ug/kg	2500		107	75-130	2	20	
Styrene	2910	100	ug/kg	2500		116	80-135	1	20	
1,1,1,2-Tetrachloroethane	3010	250	ug/kg	2500		120	70-145	3	20	
1,1,2,2-Tetrachloroethane	2970	100	ug/kg	2500		119	55-135	11	25	
Tetrachloroethene	2920	100	ug/kg	2500		117	80-125	1	20	
Toluene	2890	100	ug/kg	2500		116	80-120	2	20	
1,2,3-Trichlorobenzene	2700	250	ug/kg	2500		108	65-135	6	20	
1,2,4-Trichlorobenzene	2750	250	ug/kg	2500		110	70-140	4	20	
1,1,1-Trichloroethane	2870	100	ug/kg	2500		115	75-140	2	20	
1,1,2-Trichloroethane	2950	100	ug/kg	2500		118	70-130	9	20	
Trichloroethene	2860	100	ug/kg	2500		114	80-130	3	20	
Trichlorofluoromethane	3080	250	ug/kg	2500		123	55-145	2	25	
1,2,3-Trichloropropane	2610	500	ug/kg	2500		104	60-130	13	25	
1,2,4-Trimethylbenzene	2690	100	ug/kg	2500		108	80-125	2	20	
1,3,5-Trimethylbenzene	2710	100	ug/kg	2500		108	80-125	2	20	
Vinyl chloride	538	250	ug/kg	2500		22	10-120	11	30	
o-Xylene	2880	100	ug/kg	2500		115	80-125	1	20	
m,p-Xylenes	5840	100	ug/kg	5000		117	80-120	1	20	
Surrogate: Dibromofluoromethane	2430		ug/kg	2500		97	55-155			
Surrogate: Toluene-d8	2300		ug/kg	2500		92	60-160			
Surrogate: 4-Bromofluorobenzene	2490		ug/kg	2500		100	60-155			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>Matrix Spike Analyzed: 12/22/2004 (4L18011-MS1)</b>					<b>Source: INL1108-09</b>					
Benzene	3310	100	ug/kg	2500	830	99	60-140			
Bromobenzene	2200	250	ug/kg	2500	ND	88	65-135			
Bromochloromethane	2530	250	ug/kg	2500	ND	101	65-145			
Bromodichloromethane	2030	100	ug/kg	2500	ND	81	65-150			
Bromoform	1440	250	ug/kg	2500	ND	58	60-150			M2
Bromomethane	1550	250	ug/kg	2500	ND	62	30-155			
n-Butylbenzene	2120	250	ug/kg	2500	ND	85	60-155			
sec-Butylbenzene	2060	250	ug/kg	2500	ND	82	60-150			
tert-Butylbenzene	2060	250	ug/kg	2500	ND	82	60-155			
Carbon tetrachloride	1050	250	ug/kg	2500	ND	42	70-145			M2
Chlorobenzene	2230	100	ug/kg	2500	ND	89	70-145			
Chloroethane	1650	250	ug/kg	2500	ND	66	30-165			
Chloroform	2770	100	ug/kg	2500	ND	111	60-140			
Chloromethane	1480	250	ug/kg	2500	ND	59	25-155			
2-Chlorotoluene	2090	250	ug/kg	2500	ND	84	60-145			
4-Chlorotoluene	2120	250	ug/kg	2500	ND	85	70-140			
Dibromochloromethane	1740	100	ug/kg	2500	ND	70	60-155			
1,2-Dibromo-3-chloropropane	1860	250	ug/kg	2500	ND	74	45-155			
1,2-Dibromoethane (EDB)	2110	100	ug/kg	2500	ND	84	70-145			
Dibromomethane	2320	100	ug/kg	2500	ND	93	70-140			
1,2-Dichlorobenzene	2180	100	ug/kg	2500	ND	87	65-135			
1,3-Dichlorobenzene	2130	100	ug/kg	2500	ND	85	60-150			
1,4-Dichlorobenzene	2190	100	ug/kg	2500	ND	88	60-145			
Dichlorodifluoromethane	865	200	ug/kg	2500	ND	35	10-160			
1,1-Dichloroethane	2360	100	ug/kg	2500	ND	94	60-150			
1,2-Dichloroethane	2330	100	ug/kg	2500	ND	93	60-150			
1,1-Dichloroethene	2100	250	ug/kg	2500	ND	84	60-160			
cis-1,2-Dichloroethene	2430	100	ug/kg	2500	ND	97	60-135			
trans-1,2-Dichloroethene	2310	100	ug/kg	2500	ND	92	55-150			
1,2-Dichloropropane	2320	100	ug/kg	2500	ND	93	65-140			
1,3-Dichloropropane	2140	100	ug/kg	2500	ND	86	70-135			
2,2-Dichloropropane	1480	100	ug/kg	2500	ND	59	55-155			
1,1-Dichloropropene	2120	100	ug/kg	2500	ND	85	60-145			
cis-1,3-Dichloropropene	2070	100	ug/kg	2500	ND	83	60-140			
trans-1,3-Dichloropropene	2060	100	ug/kg	2500	ND	82	60-155			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>Matrix Spike Analyzed: 12/22/2004 (4L18011-MS1)</b>					<b>Source: INL1108-09</b>					
Ethylbenzene	2850	100	ug/kg	2500	530	93	55-145			
Hexachlorobutadiene	1940	250	ug/kg	2500	ND	78	60-150			
Isopropylbenzene	2080	100	ug/kg	2500	35	82	60-145			
p-Isopropyltoluene	2020	100	ug/kg	2500	ND	81	55-145			
Methylene chloride	2620	1000	ug/kg	2500	ND	105	55-150			
Naphthalene	2610	250	ug/kg	2500	640	79	30-165			
n-Propylbenzene	2280	100	ug/kg	2500	140	86	55-150			
Styrene	2200	100	ug/kg	2500	ND	88	65-150			
1,1,1,2-Tetrachloroethane	2220	250	ug/kg	2500	ND	89	65-150			
1,1,2,2-Tetrachloroethane	1790	100	ug/kg	2500	ND	72	55-150			
Tetrachloroethene	2020	100	ug/kg	2500	150	75	65-150			
Toluene	4810	100	ug/kg	2500	2100	108	55-145			
1,2,3-Trichlorobenzene	2140	250	ug/kg	2500	ND	86	50-145			
1,2,4-Trichlorobenzene	2120	250	ug/kg	2500	ND	85	60-145			
1,1,1-Trichloroethane	2220	100	ug/kg	2500	ND	89	65-145			
1,1,2-Trichloroethane	2350	100	ug/kg	2500	ND	94	65-145			
Trichloroethene	2450	100	ug/kg	2500	970	59	70-145			M2
Trichlorofluoromethane	1860	250	ug/kg	2500	ND	74	35-160			
1,2,3-Trichloropropane	1960	500	ug/kg	2500	ND	78	50-150			
1,2,4-Trimethylbenzene	3320	100	ug/kg	2500	1100	89	65-140			
1,3,5-Trimethylbenzene	2390	100	ug/kg	2500	280	84	65-140			
Vinyl chloride	799	250	ug/kg	2500	ND	32	10-120			
o-Xylene	3310	100	ug/kg	2500	940	95	60-145			
m,p-Xylenes	6660	100	ug/kg	5000	2100	91	60-145			
Surrogate: Dibromofluoromethane	1780		ug/kg	2500		71	55-155			
Surrogate: Toluene-d8	1560		ug/kg	2500		62	60-160			
Surrogate: 4-Bromofluorobenzene	1900		ug/kg	2500		76	60-155			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>Matrix Spike Dup Analyzed: 12/21/2004 (4L18011-MSD1)</b>					<b>Source: INL1108-09</b>					
Benzene	2550	100	ug/kg	2500	830	69	60-140	26	25	R
Bromobenzene	1970	250	ug/kg	2500	ND	79	65-135	11	25	
Bromochloromethane	1850	250	ug/kg	2500	ND	74	65-145	31	25	R
Bromodichloromethane	1580	100	ug/kg	2500	ND	63	65-150	25	25	M2
Bromoform	1240	250	ug/kg	2500	ND	50	60-150	15	30	M2
Bromomethane	1130	250	ug/kg	2500	ND	45	30-155	31	30	R
n-Butylbenzene	2130	250	ug/kg	2500	ND	85	60-155	1	25	
sec-Butylbenzene	2100	250	ug/kg	2500	ND	84	60-150	2	25	
tert-Butylbenzene	2050	250	ug/kg	2500	ND	82	60-155	1	20	
Carbon tetrachloride	1050	250	ug/kg	2500	ND	42	70-145	0	20	M2
Chlorobenzene	1880	100	ug/kg	2500	ND	75	70-145	17	25	
Chloroethane	1300	250	ug/kg	2500	ND	52	30-165	24	25	
Chloroform	2010	100	ug/kg	2500	ND	80	60-140	32	25	R
Chloromethane	1360	250	ug/kg	2500	ND	54	25-155	8	25	
2-Chlorotoluene	2020	250	ug/kg	2500	ND	81	60-145	3	25	
4-Chlorotoluene	2040	250	ug/kg	2500	ND	82	70-140	4	25	
Dibromochloromethane	1510	100	ug/kg	2500	ND	60	60-155	14	25	
1,2-Dibromo-3-chloropropane	1630	250	ug/kg	2500	ND	65	45-155	13	30	
1,2-Dibromoethane (EDB)	1830	100	ug/kg	2500	ND	73	70-145	14	25	
Dibromomethane	1810	100	ug/kg	2500	ND	72	70-140	25	25	
1,2-Dichlorobenzene	1920	100	ug/kg	2500	ND	77	65-135	13	20	
1,3-Dichlorobenzene	1920	100	ug/kg	2500	ND	77	60-150	10	25	
1,4-Dichlorobenzene	1940	100	ug/kg	2500	ND	78	60-145	12	25	
Dichlorodifluoromethane	856	200	ug/kg	2500	ND	34	10-160	1	30	
1,1-Dichloroethane	1860	100	ug/kg	2500	ND	74	60-150	24	25	
1,2-Dichloroethane	1820	100	ug/kg	2500	ND	73	60-150	25	25	
1,1-Dichloroethene	1760	250	ug/kg	2500	ND	70	60-160	18	20	
cis-1,2-Dichloroethene	1810	100	ug/kg	2500	ND	72	60-135	29	20	R
trans-1,2-Dichloroethene	1840	100	ug/kg	2500	ND	74	55-150	23	25	
1,2-Dichloropropane	1920	100	ug/kg	2500	ND	77	65-140	19	25	
1,3-Dichloropropane	1880	100	ug/kg	2500	ND	75	70-135	13	25	
2,2-Dichloropropane	1710	100	ug/kg	2500	ND	68	55-155	14	25	
1,1-Dichloropropene	1860	100	ug/kg	2500	ND	74	60-145	13	20	
cis-1,3-Dichloropropene	1820	100	ug/kg	2500	ND	73	60-140	13	20	
trans-1,3-Dichloropropene	1770	100	ug/kg	2500	ND	71	60-155	15	25	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4L18011 Extracted: 12/18/04</b>										
<b>Matrix Spike Dup Analyzed: 12/21/2004 (4L18011-MSD1)</b>					<b>Source: INL1108-09</b>					
Ethylbenzene	2480	100	ug/kg	2500	530	78	55-145	14	25	
Hexachlorobutadiene	1790	250	ug/kg	2500	ND	72	60-150	8	25	
Isopropylbenzene	2140	100	ug/kg	2500	35	84	60-145	3	25	
p-Isopropyltoluene	2000	100	ug/kg	2500	ND	80	55-145	1	25	
Methylene chloride	1850	1000	ug/kg	2500	ND	74	55-150	34	25	R
Naphthalene	2250	250	ug/kg	2500	640	64	30-165	15	30	
n-Propylbenzene	2270	100	ug/kg	2500	140	85	55-150	0	25	
Styrene	1980	100	ug/kg	2500	ND	79	65-150	11	20	
1,1,1,2-Tetrachloroethane	1820	250	ug/kg	2500	ND	73	65-150	20	25	
1,1,2,2-Tetrachloroethane	1780	100	ug/kg	2500	ND	71	55-150	1	25	
Tetrachloroethene	1860	100	ug/kg	2500	150	68	65-150	8	20	
Toluene	3670	100	ug/kg	2500	2100	63	55-145	27	25	R
1,2,3-Trichlorobenzene	1750	250	ug/kg	2500	ND	70	50-145	20	25	
1,2,4-Trichlorobenzene	1830	250	ug/kg	2500	ND	73	60-145	15	20	
1,1,1-Trichloroethane	1830	100	ug/kg	2500	ND	73	65-145	19	25	
1,1,2-Trichloroethane	1790	100	ug/kg	2500	ND	72	65-145	27	25	R
Trichloroethene	1940	100	ug/kg	2500	970	39	70-145	23	25	M2
Trichlorofluoromethane	1560	250	ug/kg	2500	ND	62	35-160	18	30	
1,2,3-Trichloropropane	1840	500	ug/kg	2500	ND	74	50-150	6	30	
1,2,4-Trimethylbenzene	3100	100	ug/kg	2500	1100	80	65-140	7	20	
1,3,5-Trimethylbenzene	2340	100	ug/kg	2500	280	82	65-140	2	25	
Vinyl chloride	985	250	ug/kg	2500	ND	39	10-120	21	35	
o-Xylene	2740	100	ug/kg	2500	940	72	60-145	19	25	
m,p-Xylenes	5780	100	ug/kg	5000	2100	74	60-145	14	25	
Surrogate: Dibromofluoromethane	1880		ug/kg	2500		75	55-155			
Surrogate: Toluene-d8	2160		ug/kg	2500		86	60-160			
Surrogate: 4-Bromofluorobenzene	2030		ug/kg	2500		81	60-155			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>Blank Analyzed: 12/22/2004 (4L22010-BLK1)</b>										
Benzene	ND	2.0	ug/l							
Bromobenzene	ND	5.0	ug/l							
Bromochloromethane	ND	5.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
n-Butylbenzene	ND	5.0	ug/l							
sec-Butylbenzene	ND	5.0	ug/l							
tert-Butylbenzene	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
2-Chlorotoluene	ND	5.0	ug/l							
4-Chlorotoluene	ND	5.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
1,3-Dichloropropane	ND	2.0	ug/l							
2,2-Dichloropropane	ND	2.0	ug/l							
1,1-Dichloropropene	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>Blank Analyzed: 12/22/2004 (4L22010-BLK1)</b>										
Ethylbenzene	ND	2.0	ug/l							
Hexachlorobutadiene	ND	5.0	ug/l							
Isopropylbenzene	ND	2.0	ug/l							
p-Isopropyltoluene	ND	2.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Naphthalene	ND	5.0	ug/l							
n-Propylbenzene	ND	2.0	ug/l							
Styrene	ND	2.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
Toluene	ND	2.0	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	ug/l							
1,1,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethane	ND	2.0	ug/l							
Trichloroethene	ND	2.0	ug/l							
Trichlorofluoromethane	ND	5.0	ug/l							
1,2,3-Trichloropropane	ND	10	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	ug/l							
Vinyl chloride	ND	5.0	ug/l							
o-Xylene	ND	2.0	ug/l							
m,p-Xylenes	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	28.5		ug/l	25.0		114	80-120			
Surrogate: Toluene-d8	27.2		ug/l	25.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	26.5		ug/l	25.0		106	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>LCS Analyzed: 12/22/2004 (4L22010-BS1)</b>										
Benzene	20.0	2.0	ug/l	25.0		80	70-120			
Bromobenzene	21.0	5.0	ug/l	25.0		84	80-120			
Bromochloromethane	22.8	5.0	ug/l	25.0		91	65-135			
Bromodichloromethane	25.3	2.0	ug/l	25.0		101	70-140			
Bromoform	23.0	5.0	ug/l	25.0		92	55-135			
Bromomethane	23.1	5.0	ug/l	25.0		92	60-140			
n-Butylbenzene	23.0	5.0	ug/l	25.0		92	75-130			
sec-Butylbenzene	21.6	5.0	ug/l	25.0		86	75-125			
tert-Butylbenzene	22.3	5.0	ug/l	25.0		89	75-125			
Carbon tetrachloride	28.2	5.0	ug/l	25.0		113	70-140			
Chlorobenzene	21.9	2.0	ug/l	25.0		88	80-125			
Chloroethane	22.3	5.0	ug/l	25.0		89	60-145			
Chloroform	24.2	2.0	ug/l	25.0		97	75-130			
Chloromethane	20.1	5.0	ug/l	25.0		80	40-145			
2-Chlorotoluene	22.5	5.0	ug/l	25.0		90	75-125			
4-Chlorotoluene	23.4	5.0	ug/l	25.0		94	75-125			
Dibromochloromethane	23.4	2.0	ug/l	25.0		94	65-145			
1,2-Dibromo-3-chloropropane	27.4	5.0	ug/l	25.0		110	50-135			
1,2-Dibromoethane (EDB)	23.9	2.0	ug/l	25.0		96	75-125			
Dibromomethane	24.2	2.0	ug/l	25.0		97	75-130			
1,2-Dichlorobenzene	22.2	2.0	ug/l	25.0		89	80-120			
1,3-Dichlorobenzene	21.2	2.0	ug/l	25.0		85	80-120			
1,4-Dichlorobenzene	21.8	2.0	ug/l	25.0		87	80-120			
Dichlorodifluoromethane	17.6	5.0	ug/l	25.0		70	10-160			
1,1-Dichloroethane	22.9	2.0	ug/l	25.0		92	70-135			
1,2-Dichloroethane	28.3	2.0	ug/l	25.0		113	60-150			
1,1-Dichloroethene	22.2	5.0	ug/l	25.0		89	75-135			
cis-1,2-Dichloroethene	20.0	2.0	ug/l	25.0		80	70-125			
trans-1,2-Dichloroethene	22.0	2.0	ug/l	25.0		88	70-130			
1,2-Dichloropropane	20.8	2.0	ug/l	25.0		83	70-120			
1,3-Dichloropropane	24.0	2.0	ug/l	25.0		96	70-130			
2,2-Dichloropropane	27.0	2.0	ug/l	25.0		108	65-150			
1,1-Dichloropropene	24.2	2.0	ug/l	25.0		97	75-130			
cis-1,3-Dichloropropene	23.1	2.0	ug/l	25.0		92	75-130			
trans-1,3-Dichloropropene	24.8	2.0	ug/l	25.0		99	75-135			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager





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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>LCS Analyzed: 12/22/2004 (4L22010-BS1)</b>										
Ethylbenzene	23.8	2.0	ug/l	25.0		95	80-120			
Hexachlorobutadiene	22.4	5.0	ug/l	25.0		90	65-140			
Isopropylbenzene	22.4	2.0	ug/l	25.0		90	75-125			
p-Isopropyltoluene	21.6	2.0	ug/l	25.0		86	75-125			
Methylene chloride	20.9	5.0	ug/l	25.0		84	60-135			
Naphthalene	23.9	5.0	ug/l	25.0		96	50-145			
n-Propylbenzene	22.7	2.0	ug/l	25.0		91	75-130			
Styrene	23.8	2.0	ug/l	25.0		95	80-135			
1,1,1,2-Tetrachloroethane	22.8	5.0	ug/l	25.0		91	70-145			
1,1,2,2-Tetrachloroethane	22.1	2.0	ug/l	25.0		88	60-135			
Tetrachloroethene	22.2	2.0	ug/l	25.0		89	75-125			
Toluene	22.0	2.0	ug/l	25.0		88	75-120			
1,2,3-Trichlorobenzene	22.7	5.0	ug/l	25.0		91	65-135			
1,2,4-Trichlorobenzene	23.2	5.0	ug/l	25.0		93	70-140			
1,1,1-Trichloroethane	27.0	2.0	ug/l	25.0		108	75-140			
1,1,2-Trichloroethane	21.1	2.0	ug/l	25.0		84	70-125			
Trichloroethene	21.8	2.0	ug/l	25.0		87	80-120			
Trichlorofluoromethane	24.6	5.0	ug/l	25.0		98	65-145			
1,2,3-Trichloropropane	23.3	10	ug/l	25.0		93	60-130			
1,2,4-Trimethylbenzene	23.5	2.0	ug/l	25.0		94	75-125			
1,3,5-Trimethylbenzene	23.5	2.0	ug/l	25.0		94	75-125			
Vinyl chloride	22.6	5.0	ug/l	25.0		90	50-130			
o-Xylene	21.5	2.0	ug/l	25.0		86	75-125			
m,p-Xylenes	44.5	2.0	ug/l	50.0		89	75-120			
Surrogate: Dibromofluoromethane	27.7		ug/l	25.0		111	80-120			
Surrogate: Toluene-d8	27.3		ug/l	25.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	27.8		ug/l	25.0		111	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>Matrix Spike Analyzed: 12/22/2004 (4L22010-MS1)</b>					<b>Source: INL0891-02</b>					
Benzene	21.0	2.0	ug/l	25.0	ND	84	70-120			
Bromobenzene	22.2	5.0	ug/l	25.0	ND	89	65-130			
Bromochloromethane	23.5	5.0	ug/l	25.0	ND	94	65-140			
Bromodichloromethane	26.5	2.0	ug/l	25.0	ND	106	70-140			
Bromoform	22.3	5.0	ug/l	25.0	ND	89	55-140			
Bromomethane	24.9	5.0	ug/l	25.0	ND	100	50-145			
n-Butylbenzene	25.0	5.0	ug/l	25.0	ND	100	70-140			
sec-Butylbenzene	23.5	5.0	ug/l	25.0	ND	94	70-130			
tert-Butylbenzene	24.1	5.0	ug/l	25.0	ND	96	70-130			
Carbon tetrachloride	31.3	5.0	ug/l	25.0	ND	125	70-145			
Chlorobenzene	23.1	2.0	ug/l	25.0	ND	92	80-125			
Chloroethane	24.1	5.0	ug/l	25.0	ND	96	50-145			
Chloroform	26.2	2.0	ug/l	25.0	ND	105	70-135			
Chloromethane	21.9	5.0	ug/l	25.0	ND	88	35-145			
2-Chlorotoluene	24.3	5.0	ug/l	25.0	ND	97	70-140			
4-Chlorotoluene	25.3	5.0	ug/l	25.0	ND	101	70-140			
Dibromochloromethane	23.7	2.0	ug/l	25.0	ND	95	65-145			
1,2-Dibromo-3-chloropropane	27.7	5.0	ug/l	25.0	ND	111	45-155			
1,2-Dibromoethane (EDB)	24.2	2.0	ug/l	25.0	ND	97	70-130			
Dibromomethane	24.4	2.0	ug/l	25.0	ND	98	65-140			
1,2-Dichlorobenzene	23.2	2.0	ug/l	25.0	ND	93	75-130			
1,3-Dichlorobenzene	22.5	2.0	ug/l	25.0	ND	90	75-130			
1,4-Dichlorobenzene	22.9	2.0	ug/l	25.0	ND	92	80-120			
Dichlorodifluoromethane	19.9	5.0	ug/l	25.0	ND	80	10-160			
1,1-Dichloroethane	24.6	2.0	ug/l	25.0	ND	98	65-135			
1,2-Dichloroethane	29.1	2.0	ug/l	25.0	ND	116	60-150			
1,1-Dichloroethene	23.4	5.0	ug/l	25.0	ND	94	65-140			
cis-1,2-Dichloroethene	21.5	2.0	ug/l	25.0	ND	86	65-130			
trans-1,2-Dichloroethene	23.5	2.0	ug/l	25.0	ND	94	65-135			
1,2-Dichloropropane	21.2	2.0	ug/l	25.0	ND	85	65-130			
1,3-Dichloropropane	23.5	2.0	ug/l	25.0	ND	94	65-140			
2,2-Dichloropropane	29.5	2.0	ug/l	25.0	ND	118	60-150			
1,1-Dichloropropene	25.3	2.0	ug/l	25.0	ND	101	65-140			
cis-1,3-Dichloropropene	23.5	2.0	ug/l	25.0	ND	94	70-140			
trans-1,3-Dichloropropene	25.0	2.0	ug/l	25.0	ND	100	70-140			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>Matrix Spike Analyzed: 12/22/2004 (4L22010-MS1)</b>					<b>Source: INL0891-02</b>					
Ethylbenzene	25.2	2.0	ug/l	25.0	ND	101	70-130			
Hexachlorobutadiene	24.2	5.0	ug/l	25.0	ND	97	65-140			
Isopropylbenzene	25.0	2.0	ug/l	25.0	ND	100	70-130			
p-Isopropyltoluene	23.4	2.0	ug/l	25.0	ND	94	70-130			
Methylene chloride	21.5	5.0	ug/l	25.0	ND	86	60-135			
Naphthalene	24.7	5.0	ug/l	25.0	ND	99	50-150			
n-Propylbenzene	24.9	2.0	ug/l	25.0	ND	100	70-135			
Styrene	0.800	2.0	ug/l	25.0	ND	3	55-145			M2
1,1,1,2-Tetrachloroethane	24.1	5.0	ug/l	25.0	ND	96	70-145			
1,1,2,2-Tetrachloroethane	21.9	2.0	ug/l	25.0	ND	88	60-145			
Tetrachloroethene	134	2.0	ug/l	25.0	120	56	70-130			M2
Toluene	23.1	2.0	ug/l	25.0	ND	92	70-120			
1,2,3-Trichlorobenzene	23.3	5.0	ug/l	25.0	ND	93	60-140			
1,2,4-Trichlorobenzene	23.9	5.0	ug/l	25.0	ND	96	60-140			
1,1,1-Trichloroethane	30.1	2.0	ug/l	25.0	ND	120	75-140			
1,1,2-Trichloroethane	21.4	2.0	ug/l	25.0	ND	86	60-135			
Trichloroethene	22.7	2.0	ug/l	25.0	ND	91	70-125			
Trichlorofluoromethane	24.5	5.0	ug/l	25.0	ND	98	55-145			
1,2,3-Trichloropropane	23.4	10	ug/l	25.0	ND	94	55-140			
1,2,4-Trimethylbenzene	25.1	2.0	ug/l	25.0	ND	100	60-125			
1,3,5-Trimethylbenzene	24.8	2.0	ug/l	25.0	ND	99	70-130			
Vinyl chloride	24.4	5.0	ug/l	25.0	ND	98	40-135			
o-Xylene	23.0	2.0	ug/l	25.0	ND	92	65-125			
m,p-Xylenes	47.2	2.0	ug/l	50.0	ND	94	65-130			
Surrogate: Dibromofluoromethane	27.7		ug/l	25.0		111	80-120			
Surrogate: Toluene-d8	27.0		ug/l	25.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	26.8		ug/l	25.0		107	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>Matrix Spike Dup Analyzed: 12/22/2004 (4L22010-MSD1)</b>					<b>Source: INL0891-02</b>					
Benzene	18.7	2.0	ug/l	25.0	ND	75	70-120	12	20	
Bromobenzene	19.7	5.0	ug/l	25.0	ND	79	65-130	12	20	
Bromochloromethane	23.6	5.0	ug/l	25.0	ND	94	65-140	0	25	
Bromodichloromethane	24.9	2.0	ug/l	25.0	ND	100	70-140	6	20	
Bromoform	24.4	5.0	ug/l	25.0	ND	98	55-140	9	25	
Bromomethane	21.7	5.0	ug/l	25.0	ND	87	50-145	14	25	
n-Butylbenzene	21.4	5.0	ug/l	25.0	ND	86	70-140	16	20	
sec-Butylbenzene	19.6	5.0	ug/l	25.0	ND	78	70-130	18	20	
tert-Butylbenzene	20.1	5.0	ug/l	25.0	ND	80	70-130	18	20	
Carbon tetrachloride	27.0	5.0	ug/l	25.0	ND	108	70-145	15	25	
Chlorobenzene	20.3	2.0	ug/l	25.0	ND	81	80-125	13	20	
Chloroethane	21.1	5.0	ug/l	25.0	ND	84	50-145	13	25	
Chloroform	23.5	2.0	ug/l	25.0	ND	94	70-135	11	20	
Chloromethane	19.1	5.0	ug/l	25.0	ND	76	35-145	14	25	
2-Chlorotoluene	20.7	5.0	ug/l	25.0	ND	83	70-140	16	20	
4-Chlorotoluene	21.4	5.0	ug/l	25.0	ND	86	70-140	17	20	
Dibromochloromethane	23.9	2.0	ug/l	25.0	ND	96	65-145	1	25	
1,2-Dibromo-3-chloropropane	33.0	5.0	ug/l	25.0	ND	132	45-155	17	30	
1,2-Dibromoethane (EDB)	24.8	2.0	ug/l	25.0	ND	99	70-130	2	25	
Dibromomethane	25.4	2.0	ug/l	25.0	ND	102	65-140	4	25	
1,2-Dichlorobenzene	21.4	2.0	ug/l	25.0	ND	86	75-130	8	20	
1,3-Dichlorobenzene	19.9	2.0	ug/l	25.0	ND	80	75-130	12	20	
1,4-Dichlorobenzene	20.3	2.0	ug/l	25.0	ND	81	80-120	12	20	
Dichlorodifluoromethane	17.8	5.0	ug/l	25.0	ND	71	10-160	11	30	
1,1-Dichloroethane	21.8	2.0	ug/l	25.0	ND	87	65-135	12	20	
1,2-Dichloroethane	29.3	2.0	ug/l	25.0	ND	117	60-150	1	20	
1,1-Dichloroethene	20.6	5.0	ug/l	25.0	ND	82	65-140	13	20	
cis-1,2-Dichloroethene	19.4	2.0	ug/l	25.0	ND	78	65-130	10	20	
trans-1,2-Dichloroethene	21.3	2.0	ug/l	25.0	ND	85	65-135	10	20	
1,2-Dichloropropane	19.8	2.0	ug/l	25.0	ND	79	65-130	7	20	
1,3-Dichloropropane	23.3	2.0	ug/l	25.0	ND	93	65-140	1	25	
2,2-Dichloropropane	26.2	2.0	ug/l	25.0	ND	105	60-150	12	25	
1,1-Dichloropropene	22.3	2.0	ug/l	25.0	ND	89	65-140	13	20	
cis-1,3-Dichloropropene	22.5	2.0	ug/l	25.0	ND	90	70-140	4	20	
trans-1,3-Dichloropropene	25.4	2.0	ug/l	25.0	ND	102	70-140	2	25	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L22010 Extracted: 12/22/04</b>										
<b>Matrix Spike Dup Analyzed: 12/22/2004 (4L22010-MSD1)</b>					<b>Source: INL0891-02</b>					
Ethylbenzene	21.7	2.0	ug/l	25.0	ND	87	70-130	15	20	
Hexachlorobutadiene	20.7	5.0	ug/l	25.0	ND	83	65-140	16	20	
Isopropylbenzene	20.8	2.0	ug/l	25.0	ND	83	70-130	18	20	
p-Isopropyltoluene	19.9	2.0	ug/l	25.0	ND	80	70-130	16	20	
Methylene chloride	20.2	5.0	ug/l	25.0	ND	81	60-135	6	20	
Naphthalene	27.2	5.0	ug/l	25.0	ND	109	50-150	10	30	
n-Propylbenzene	21.2	2.0	ug/l	25.0	ND	85	70-135	16	20	
Styrene	0.700	2.0	ug/l	25.0	ND	3	55-145	13	30	M2
1,1,1,2-Tetrachloroethane	21.7	5.0	ug/l	25.0	ND	87	70-145	10	20	
1,1,2,2-Tetrachloroethane	25.4	2.0	ug/l	25.0	ND	102	60-145	15	30	
Tetrachloroethene	122	2.0	ug/l	25.0	120	8	70-130	9	20	M2
Toluene	20.6	2.0	ug/l	25.0	ND	82	70-120	11	20	
1,2,3-Trichlorobenzene	23.3	5.0	ug/l	25.0	ND	93	60-140	0	20	
1,2,4-Trichlorobenzene	22.7	5.0	ug/l	25.0	ND	91	60-140	5	20	
1,1,1-Trichloroethane	26.2	2.0	ug/l	25.0	ND	105	75-140	14	20	
1,1,2-Trichloroethane	22.0	2.0	ug/l	25.0	ND	88	60-135	3	25	
Trichloroethene	20.6	2.0	ug/l	25.0	ND	82	70-125	10	20	
Trichlorofluoromethane	22.8	5.0	ug/l	25.0	ND	91	55-145	7	25	
1,2,3-Trichloropropane	27.0	10	ug/l	25.0	ND	108	55-140	14	30	
1,2,4-Trimethylbenzene	21.6	2.0	ug/l	25.0	ND	86	60-125	15	25	
1,3,5-Trimethylbenzene	19.4	2.0	ug/l	25.0	ND	78	70-130	24	20	R
Vinyl chloride	21.3	5.0	ug/l	25.0	ND	85	40-135	14	30	
o-Xylene	19.8	2.0	ug/l	25.0	ND	79	65-125	15	20	
m,p-Xylenes	40.6	2.0	ug/l	50.0	ND	81	65-130	15	25	
Surrogate: Dibromofluoromethane	29.8		ug/l	25.0		119	80-120			
Surrogate: Toluene-d8	27.1		ug/l	25.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	28.3		ug/l	25.0		113	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>Blank Analyzed: 12/26/2004 (4L26006-BLK1)</b>										
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							
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							

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>Blank Analyzed: 12/26/2004 (4L26006-BLK1)</b>										
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							
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	49.1		ug/kg	50.0		98	80-125			
Surrogate: Toluene-d8	53.6		ug/kg	50.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	47.9		ug/kg	50.0		96	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>LCS Analyzed: 12/26/2004 (4L26006-BS1)</b>										
Benzene	42.2	2.0	ug/kg	50.0		84	70-120			
Bromobenzene	46.7	5.0	ug/kg	50.0		93	80-120			
Bromochloromethane	44.7	5.0	ug/kg	50.0		89	65-135			
Bromodichloromethane	43.0	2.0	ug/kg	50.0		86	70-140			
Bromoform	43.0	5.0	ug/kg	50.0		86	60-140			
Bromomethane	45.6	5.0	ug/kg	50.0		91	55-145			
n-Butylbenzene	46.4	5.0	ug/kg	50.0		93	75-130			
sec-Butylbenzene	46.5	5.0	ug/kg	50.0		93	75-125			
tert-Butylbenzene	46.0	5.0	ug/kg	50.0		92	80-125			
Carbon tetrachloride	41.3	5.0	ug/kg	50.0		83	70-140			
Chlorobenzene	43.4	2.0	ug/kg	50.0		87	80-125			
Chloroethane	44.3	5.0	ug/kg	50.0		89	55-145			
Chloroform	42.5	2.0	ug/kg	50.0		85	75-120			
Chloromethane	41.5	5.0	ug/kg	50.0		83	35-145			
2-Chlorotoluene	45.1	5.0	ug/kg	50.0		90	75-125			
4-Chlorotoluene	45.8	5.0	ug/kg	50.0		92	80-125			
Dibromochloromethane	45.3	2.0	ug/kg	50.0		91	65-145			
1,2-Dibromo-3-chloropropane	47.4	5.0	ug/kg	50.0		95	50-150			
1,2-Dibromoethane (EDB)	47.4	2.0	ug/kg	50.0		95	75-130			
Dibromomethane	46.5	2.0	ug/kg	50.0		93	75-130			
1,2-Dichlorobenzene	46.0	2.0	ug/kg	50.0		92	80-125			
1,3-Dichlorobenzene	44.7	2.0	ug/kg	50.0		89	80-120			
1,4-Dichlorobenzene	44.7	2.0	ug/kg	50.0		89	80-120			
Dichlorodifluoromethane	42.3	5.0	ug/kg	50.0		85	10-160			
1,1-Dichloroethane	43.4	2.0	ug/kg	50.0		87	70-135			
1,2-Dichloroethane	46.4	2.0	ug/kg	50.0		93	60-150			
1,1-Dichloroethene	42.6	5.0	ug/kg	50.0		85	75-130			
cis-1,2-Dichloroethene	43.4	2.0	ug/kg	50.0		87	70-125			
trans-1,2-Dichloroethene	43.9	2.0	ug/kg	50.0		88	70-130			
1,2-Dichloropropane	45.5	2.0	ug/kg	50.0		91	70-120			
1,3-Dichloropropane	47.2	2.0	ug/kg	50.0		94	70-130			
2,2-Dichloropropane	48.5	2.0	ug/kg	50.0		97	70-150			
1,1-Dichloropropene	44.4	2.0	ug/kg	50.0		89	75-130			
cis-1,3-Dichloropropene	46.3	2.0	ug/kg	50.0		93	75-130			
trans-1,3-Dichloropropene	45.4	2.0	ug/kg	50.0		91	75-135			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager





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

Project ID: Ascon Landfill Site  
 Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>LCS Analyzed: 12/26/2004 (4L26006-BS1)</b>										
Ethylbenzene	45.0	2.0	ug/kg	50.0		90	75-125			
Hexachlorobutadiene	39.8	5.0	ug/kg	50.0		80	75-140			
Isopropylbenzene	48.3	2.0	ug/kg	50.0		97	75-125			
p-Isopropyltoluene	44.5	2.0	ug/kg	50.0		89	75-125			
Methylene chloride	44.6	20	ug/kg	50.0		89	60-135			
Naphthalene	45.5	5.0	ug/kg	50.0		91	50-145			
n-Propylbenzene	47.8	2.0	ug/kg	50.0		96	75-130			
Styrene	46.3	2.0	ug/kg	50.0		93	80-135			
1,1,1,2-Tetrachloroethane	43.4	5.0	ug/kg	50.0		87	70-145			
1,1,2,2-Tetrachloroethane	49.9	2.0	ug/kg	50.0		100	60-145			
Tetrachloroethene	43.7	2.0	ug/kg	50.0		87	80-125			
Toluene	43.0	2.0	ug/kg	50.0		86	75-120			
1,2,3-Trichlorobenzene	43.3	5.0	ug/kg	50.0		87	65-135			
1,2,4-Trichlorobenzene	45.0	5.0	ug/kg	50.0		90	70-140			
1,1,1-Trichloroethane	43.6	2.0	ug/kg	50.0		87	75-140			
1,1,2-Trichloroethane	45.9	2.0	ug/kg	50.0		92	70-130			
Trichloroethene	42.9	2.0	ug/kg	50.0		86	75-125			
Trichlorofluoromethane	43.2	5.0	ug/kg	50.0		86	55-145			
1,2,3-Trichloropropane	49.3	10	ug/kg	50.0		99	60-140			
1,2,4-Trimethylbenzene	46.5	2.0	ug/kg	50.0		93	75-125			
1,3,5-Trimethylbenzene	47.1	2.0	ug/kg	50.0		94	80-125			
Vinyl chloride	41.9	5.0	ug/kg	50.0		84	45-130			
o-Xylene	43.1	2.0	ug/kg	50.0		86	80-125			
m,p-Xylenes	88.6	2.0	ug/kg	100		89	80-125			
Surrogate: Dibromofluoromethane	48.8		ug/kg	50.0		98	80-125			
Surrogate: Toluene-d8	53.3		ug/kg	50.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	49.3		ug/kg	50.0		99	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>Matrix Spike Analyzed: 12/26/2004 (4L26006-MS1)</b>					<b>Source: INL1547-07</b>					
Benzene	44.9	2.0	ug/kg	50.4	ND	89	65-130			
Bromobenzene	46.9	5.0	ug/kg	50.4	ND	93	70-135			
Bromochloromethane	46.5	5.0	ug/kg	50.4	ND	92	65-145			
Bromodichloromethane	46.2	2.0	ug/kg	50.4	ND	92	70-145			
Bromoform	45.3	5.0	ug/kg	50.4	ND	90	60-145			
Bromomethane	47.0	5.0	ug/kg	50.4	ND	93	50-155			
n-Butylbenzene	48.3	5.0	ug/kg	50.4	ND	96	60-140			
sec-Butylbenzene	47.8	5.0	ug/kg	50.4	ND	95	65-135			
tert-Butylbenzene	46.8	5.0	ug/kg	50.4	ND	93	70-135			
Carbon tetrachloride	45.8	5.0	ug/kg	50.4	ND	91	70-145			
Chlorobenzene	44.3	2.0	ug/kg	50.4	ND	88	80-130			
Chloroethane	47.2	5.0	ug/kg	50.4	ND	94	50-150			
Chloroform	44.6	2.0	ug/kg	50.4	ND	88	70-130			
Chloromethane	44.9	5.0	ug/kg	50.4	ND	89	30-145			
2-Chlorotoluene	45.9	5.0	ug/kg	50.4	ND	91	65-135			
4-Chlorotoluene	46.7	5.0	ug/kg	50.4	ND	93	65-135			
Dibromochloromethane	47.0	2.0	ug/kg	50.4	ND	93	65-145			
1,2-Dibromo-3-chloropropane	45.4	5.0	ug/kg	50.4	ND	90	50-155			
1,2-Dibromoethane (EDB)	47.4	2.0	ug/kg	50.4	ND	94	65-140			
Dibromomethane	48.1	2.0	ug/kg	50.4	ND	95	65-140			
1,2-Dichlorobenzene	45.8	2.0	ug/kg	50.4	ND	91	75-130			
1,3-Dichlorobenzene	45.3	2.0	ug/kg	50.4	ND	90	70-125			
1,4-Dichlorobenzene	45.1	2.0	ug/kg	50.4	ND	89	75-130			
Dichlorodifluoromethane	44.8	5.0	ug/kg	50.4	ND	89	10-195			
1,1-Dichloroethane	46.2	2.0	ug/kg	50.4	ND	92	65-135			
1,2-Dichloroethane	48.8	2.0	ug/kg	50.4	ND	97	60-150			
1,1-Dichloroethene	44.4	5.0	ug/kg	50.4	ND	88	70-140			
cis-1,2-Dichloroethene	44.8	2.0	ug/kg	50.4	ND	89	60-135			
trans-1,2-Dichloroethene	46.6	2.0	ug/kg	50.4	ND	92	65-135			
1,2-Dichloropropane	46.9	2.0	ug/kg	50.4	ND	93	65-125			
1,3-Dichloropropane	47.3	2.0	ug/kg	50.4	ND	94	65-135			
2,2-Dichloropropane	52.6	2.0	ug/kg	50.4	ND	104	60-155			
1,1-Dichloropropene	47.3	2.0	ug/kg	50.4	ND	94	65-140			
cis-1,3-Dichloropropene	48.2	2.0	ug/kg	50.4	ND	96	70-135			
trans-1,3-Dichloropropene	48.3	2.0	ug/kg	50.4	ND	96	65-140			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>Matrix Spike Analyzed: 12/26/2004 (4L26006-MS1)</b>					<b>Source: INL1547-07</b>					
Ethylbenzene	46.7	2.0	ug/kg	50.4	ND	93	70-135			
Hexachlorobutadiene	42.8	5.0	ug/kg	50.4	ND	85	60-145			
Isopropylbenzene	49.2	2.0	ug/kg	50.4	ND	98	65-140			
p-Isopropyltoluene	46.2	2.0	ug/kg	50.4	ND	92	60-135			
Methylene chloride	45.9	20	ug/kg	50.4	ND	91	60-145			
Naphthalene	43.8	5.0	ug/kg	50.4	ND	87	40-160			
n-Propylbenzene	49.3	2.0	ug/kg	50.4	ND	98	65-140			
Styrene	48.4	2.0	ug/kg	50.4	ND	96	70-145			
1,1,1,2-Tetrachloroethane	45.6	5.0	ug/kg	50.4	ND	90	70-145			
1,1,2,2-Tetrachloroethane	48.5	2.0	ug/kg	50.4	ND	96	50-155			
Tetrachloroethene	44.8	2.0	ug/kg	50.4	ND	89	70-135			
Toluene	45.3	2.0	ug/kg	50.4	ND	90	70-125			
1,2,3-Trichlorobenzene	43.6	5.0	ug/kg	50.4	ND	87	55-140			
1,2,4-Trichlorobenzene	45.9	5.0	ug/kg	50.4	ND	91	60-140			
1,1,1-Trichloroethane	47.2	2.0	ug/kg	50.4	ND	94	65-140			
1,1,2-Trichloroethane	46.8	2.0	ug/kg	50.4	ND	93	65-140			
Trichloroethene	46.2	2.0	ug/kg	50.4	ND	92	70-140			
Trichlorofluoromethane	46.5	5.0	ug/kg	50.4	ND	92	45-155			
1,2,3-Trichloropropane	47.2	10	ug/kg	50.4	ND	94	55-145			
1,2,4-Trimethylbenzene	47.4	2.0	ug/kg	50.4	ND	94	65-135			
1,3,5-Trimethylbenzene	48.5	2.0	ug/kg	50.4	ND	96	70-130			
Vinyl chloride	48.8	5.0	ug/kg	50.4	ND	97	45-130			
o-Xylene	44.6	2.0	ug/kg	50.4	ND	88	70-125			
m,p-Xylenes	90.6	2.0	ug/kg	101	ND	90	70-130			
Surrogate: Dibromofluoromethane	49.1		ug/kg	50.4		97	80-125			
Surrogate: Toluene-d8	54.4		ug/kg	50.4		108	80-120			
Surrogate: 4-Bromofluorobenzene	49.7		ug/kg	50.4		99	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>Matrix Spike Dup Analyzed: 12/26/2004 (4L26006-MSD1)</b>					<b>Source: INL1547-07</b>					
Benzene	44.9	2.0	ug/kg	49.6	ND	91	65-130	0	20	
Bromobenzene	46.5	5.0	ug/kg	49.6	ND	94	70-135	1	25	
Bromochloromethane	46.2	5.0	ug/kg	49.6	ND	93	65-145	1	25	
Bromodichloromethane	45.5	2.0	ug/kg	49.6	ND	92	70-145	2	20	
Bromoform	45.2	5.0	ug/kg	49.6	ND	91	60-145	0	30	
Bromomethane	51.5	5.0	ug/kg	49.6	ND	104	50-155	9	25	
n-Butylbenzene	48.5	5.0	ug/kg	49.6	ND	98	60-140	0	30	
sec-Butylbenzene	48.1	5.0	ug/kg	49.6	ND	97	65-135	1	25	
tert-Butylbenzene	48.0	5.0	ug/kg	49.6	ND	97	70-135	3	25	
Carbon tetrachloride	45.4	5.0	ug/kg	49.6	ND	92	70-145	1	25	
Chlorobenzene	45.4	2.0	ug/kg	49.6	ND	92	80-130	2	25	
Chloroethane	49.9	5.0	ug/kg	49.6	ND	101	50-150	6	25	
Chloroform	44.9	2.0	ug/kg	49.6	ND	91	70-130	1	20	
Chloromethane	48.3	5.0	ug/kg	49.6	ND	97	30-145	7	25	
2-Chlorotoluene	46.2	5.0	ug/kg	49.6	ND	93	65-135	1	25	
4-Chlorotoluene	47.6	5.0	ug/kg	49.6	ND	96	65-135	2	25	
Dibromochloromethane	46.9	2.0	ug/kg	49.6	ND	95	65-145	0	25	
1,2-Dibromo-3-chloropropane	46.4	5.0	ug/kg	49.6	ND	94	50-155	2	30	
1,2-Dibromoethane (EDB)	48.8	2.0	ug/kg	49.6	ND	98	65-140	3	25	
Dibromomethane	47.8	2.0	ug/kg	49.6	ND	96	65-140	1	25	
1,2-Dichlorobenzene	46.4	2.0	ug/kg	49.6	ND	94	75-130	1	25	
1,3-Dichlorobenzene	45.7	2.0	ug/kg	49.6	ND	92	70-125	1	25	
1,4-Dichlorobenzene	46.1	2.0	ug/kg	49.6	ND	93	75-130	2	25	
Dichlorodifluoromethane	46.4	5.0	ug/kg	49.6	ND	94	10-195	4	35	
1,1-Dichloroethane	45.3	2.0	ug/kg	49.6	ND	91	65-135	2	25	
1,2-Dichloroethane	48.3	2.0	ug/kg	49.6	ND	97	60-150	1	25	
1,1-Dichloroethene	45.1	5.0	ug/kg	49.6	ND	91	70-140	2	25	
cis-1,2-Dichloroethene	45.7	2.0	ug/kg	49.6	ND	92	60-135	2	25	
trans-1,2-Dichloroethene	46.2	2.0	ug/kg	49.6	ND	93	65-135	1	25	
1,2-Dichloropropane	47.5	2.0	ug/kg	49.6	ND	96	65-125	1	20	
1,3-Dichloropropane	47.7	2.0	ug/kg	49.6	ND	96	65-135	1	25	
2,2-Dichloropropane	53.2	2.0	ug/kg	49.6	ND	107	60-155	1	25	
1,1-Dichloropropene	47.7	2.0	ug/kg	49.6	ND	96	65-140	1	20	
cis-1,3-Dichloropropene	48.7	2.0	ug/kg	49.6	ND	98	70-135	1	25	
trans-1,3-Dichloropropene	47.4	2.0	ug/kg	49.6	ND	96	65-140	2	25	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## 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
<b>Batch: 4L26006 Extracted: 12/26/04</b>										
<b>Matrix Spike Dup Analyzed: 12/26/2004 (4L26006-MSD1)</b>					<b>Source: INL1547-07</b>					
Ethylbenzene	47.5	2.0	ug/kg	49.6	ND	96	70-135	2	25	
Hexachlorobutadiene	43.1	5.0	ug/kg	49.6	ND	87	60-145	1	35	
Isopropylbenzene	49.8	2.0	ug/kg	49.6	ND	100	65-140	1	25	
p-Isopropyltoluene	47.0	2.0	ug/kg	49.6	ND	95	60-135	2	25	
Methylene chloride	46.0	20	ug/kg	49.6	ND	93	60-145	0	25	
Naphthalene	46.1	5.0	ug/kg	49.6	ND	93	40-160	5	40	
n-Propylbenzene	50.1	2.0	ug/kg	49.6	ND	101	65-140	2	25	
Styrene	48.3	2.0	ug/kg	49.6	ND	97	70-145	0	25	
1,1,1,2-Tetrachloroethane	46.0	5.0	ug/kg	49.6	ND	93	70-145	1	20	
1,1,2,2-Tetrachloroethane	46.8	2.0	ug/kg	49.6	ND	94	50-155	4	30	
Tetrachloroethene	45.8	2.0	ug/kg	49.6	ND	92	70-135	2	25	
Toluene	45.3	2.0	ug/kg	49.6	ND	91	70-125	0	20	
1,2,3-Trichlorobenzene	44.6	5.0	ug/kg	49.6	ND	90	55-140	2	30	
1,2,4-Trichlorobenzene	46.0	5.0	ug/kg	49.6	ND	93	60-140	0	30	
1,1,1-Trichloroethane	46.8	2.0	ug/kg	49.6	ND	94	65-140	1	20	
1,1,2-Trichloroethane	47.1	2.0	ug/kg	49.6	ND	95	65-140	1	30	
Trichloroethene	48.0	2.0	ug/kg	49.6	ND	97	70-140	4	25	
Trichlorofluoromethane	46.9	5.0	ug/kg	49.6	ND	95	45-155	1	25	
1,2,3-Trichloropropane	49.2	10	ug/kg	49.6	ND	99	55-145	4	30	
1,2,4-Trimethylbenzene	48.2	2.0	ug/kg	49.6	ND	97	65-135	2	25	
1,3,5-Trimethylbenzene	49.3	2.0	ug/kg	49.6	ND	99	70-130	2	25	
Vinyl chloride	47.5	5.0	ug/kg	49.6	ND	96	45-130	3	30	
o-Xylene	45.1	2.0	ug/kg	49.6	ND	91	70-125	1	25	
m,p-Xylenes	92.0	2.0	ug/kg	99.2	ND	93	70-130	2	25	
Surrogate: Dibromofluoromethane	48.1		ug/kg	49.6		97	80-125			
Surrogate: Toluene-d8	53.8		ug/kg	49.6		108	80-120			
Surrogate: 4-Bromofluorobenzene	49.6		ug/kg	49.6		100	80-120			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
 Project Manager



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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
Received: 12/13/04

## DATA QUALIFIERS AND DEFINITIONS

- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**Del Mar Analytical, Irvine**  
Kathleen A. Robb  
Project Manager

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

Project ID: Ascon Landfill Site

Report Number: INL0926

Sampled: 12/10/04-12/13/04  
 Received: 12/13/04

## Certification Summary

### Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 418.1	Soil	X	X
EPA 418.1	Solid	X	X
EPA 8260B	Soil	X	X
EPA 8260B	Soil-extr	X	X
EPA 8260B	Water	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](http://www.dmalabs.com).*

### Subcontracted Laboratories

#### Aquatic Testing Laboratories-SUB CA ELAP Cert #1775

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Haz. Waste

Samples: INL0926-01, INL0926-02, INL0926-03

**Del Mar Analytical, Irvine**

Kathleen A. Robb

Project Manager



17461 Derian, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3299  
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046  
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-8596 FAX (619) 505-9689  
 9830 South 51st St., Suite B-120, Phoenix AZ 85044 (480) 785-0043 FAX (480) 785-0851  
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

# CHAIN OF CUSTODY FORM

Client Name/Address:		P.O. #:	ANALYSIS REQUIRED			
Project Navigator, Ltd. 1 Pointe Dr. Ste. 320 Brea, CA 92821			418.1	Biossngy HW	VOCs - 6260B	
Project Manager/Phone Number: David Tiefe 174-388-1509		Phone Number:				
Sampler: David Tiefe		Fax Number: 174-388-1831				
Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	Special Instructions	
Tar	1L Amber	1	12/13/07	None		
Tar	1L Poly	1	"	None		
Tar	3x40 mL	3	"	Amber HCl		
DM	1L Amber	1	12/12/07	None		
DM	1L Poly	1	11/14/07	None		
DM	3x40 mL	3	11/14/07	HCl		
DM	1L Amber	1	12/13/07	None		
DM	1L Poly	1	11/13/07	None		
DM	3x40 mL	3	11/14/07	HCl		
W	TB	1	11/11/07	HCl		
<del>RO</del> 12/13/07						
Relinquished By	Date/Time:	Received By	Date/Time:	Turnaround Time: (check)	Same Day	72 Hours
	12/13/07 11:30					
Relinquished By	Date/Time:	Received By	Date/Time:	24 Hours	5 days	
Relinquished By	Date/Time:	Received By	Date/Time:	48 hours	normal	X
				Sample Integrity: (Check)		
				Intact	X	On Ice: X
						8-1



January 13, 2005

Project Navigator  
One Pointe Drive, Suite 320  
Brea, CA 92821

Attention: David Tietje

Project: Ascon Landfill Site  
Sampled: 12/13/04  
Del Mar Analytical Number: INL0926

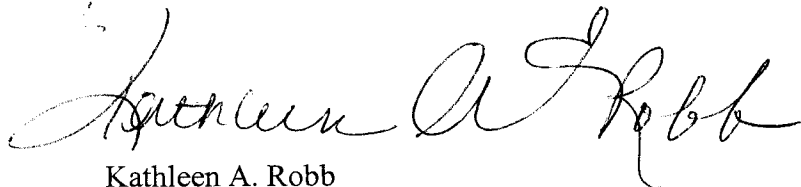
Dear Mr. Tietje:

Aquatic Testing Laboratories performed the Fathead Minnow Hazardous Waste Screen Bioassay analysis for the project referenced above. Please use the following cross-reference table when reviewing your results.

<b>PN ID</b>	<b>Del Mar ID</b>	<b>ATL ID</b>
PNL-L1-P	INL0926-01	A-05010601-001
PNL-L45-P	INL0926-02	A-05010601-002
PNL-FLA-P	INL0926-03	A-05010601-003

Attached is the original report from the subcontract laboratory. If you have any questions or require further assistance, please contact me at (949) 261-1022, extension 218.

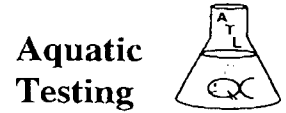
Sincerely yours,  
DEL MAR ANALYTICAL



Kathleen A. Robb  
Project Manager

Enclosure

# LABORATORY REPORT



**Aquatic  
Testing  
Laboratories**

*"dedicated to providing quality aquatic toxicity testing"*

4350 Transport Street, Unit 107  
Ventura, CA 93003  
(805) 650-0546 FAX (805) 650-0756  
CA DOHS ELAP Cert. No.: 1775

**Date:** January 11, 2005  
**Client:** Del Mar Analytical, Colton  
17461 Dcrian Avenue, Suite 100  
Irvine, CA 92614  
Attn: Kathleen A. Robb

**Laboratory No.:** A-05010601-001/003  
**Sample ID.:** INL0926-01/03

**Sample Control:** The samples were received by ATL in a chilled state, with the chain of custody record attached.

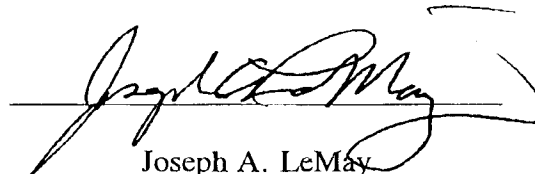
Date Sampled: 12/13/04  
Date Received: 01/06/05  
Date Tested: 01/06/05 to 01/11/05

**Sample Analysis:** The following analyses were performed on your sample:  
  
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).  
  
Attached are the test data generated from the analysis of your sample.

## Result Summary:

<u>Sample ID.</u>	<u>Results</u>
INL0926-01	PASSED (LC50 > 750 mg/l)
INL0926-02	PASSED (LC50 > 750 mg/l)
INL0926-03	PASSED (LC50 > 750 mg/l)

**Quality Control:** Reviewed and approved by:

  
Joseph A. LeMay  
Laboratory Director

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of the Laboratory's name for advertising or publicity purpose without authorization is prohibited.



**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A05010601-001  
 Client/ID: Del Mar INC 0926-01

**TEST SUMMARY**

Species: <i>Pimephales promelas</i> .	Source: In-lab culture.
Fish length (mm): av: 26.2; min: 25; max: 28.	Regulations: CCR Title 22.
Fish weight (gm): av: 0.29; min: 0.25; max: 0.37.	Test Protocol: California F&G/DHS 1988.
Test chamber volume: 10 liters.	Endpoints: Survival at 96 hrs.
Temperature: 20 +/- 2°C.	Test type: Static.
Aeration: Single bubble through narrow bore tube.	Feeding: None.
Number of replicates: 2.	Number of fish per chamber: 10.
Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO <sub>3</sub> ).	Photoperiod: 16/8 hrs light/dark.
QA/QC Batch No.: RT-041205.	

**TEST DATA**

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Date/Time:	1-7-05 1030				1-8-05 1030				1-9-5 0930				1-10-5 0930				1-11-05 1020			
Analyst:																				
Control A	20.2	8.5	8.0	0	20.8	8.2	7.4	0	21.1	8.1	7.4	0	21.5	8.0	7.3	0	20.9	8.1	7.3	0
Control B	20.1	8.4	8.0	0	20.7	8.0	7.3	0	21.4	7.9	7.3	0	21.3	7.9	7.3	0	20.7	8.4	7.2	0
400 mg/l A	20.2	8.3	8.1	0	20.8	8.3	7.4	0	21.1	8.2	7.4	0	21.2	7.9	7.3	0	20.8	8.0	7.2	0
400 mg/l B	20.1	8.4	8.1	0	20.7	8.1	7.4	0	21.0	8.3	7.4	0	21.2	7.0	7.3	0	20.6	7.4	7.1	0
750 mg/l A	20.1	8.5	8.2	0	20.6	8.3	7.5	0	21.0	8.2	7.4	0	21.0	7.3	7.3	0	20.5	8.2	7.1	0
750 mg/l B	20.0	8.4	8.2	0	20.6	8.4	7.5	0	20.9	8.3	7.5	0	21.0	7.9	7.4	0	20.5	8.1	7.1	0

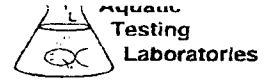
Comments: Extraction method: Mechanical shaking X.  
 None (aqueous solution) -.

	CONTROL		HIGH CONCENTRATION	
	Alkalinity	Hardness	Alkalinity	Hardness
Initial	24 mg/l CaCO <sub>3</sub>	42 mg/l CaCO <sub>3</sub>	28 mg/l CaCO <sub>3</sub>	42 mg/l CaCO <sub>3</sub>
Final	24 mg/l CaCO <sub>3</sub>	41 mg/l CaCO <sub>3</sub>	29 mg/l CaCO <sub>3</sub>	43 mg/l CaCO <sub>3</sub>

**RESULTS**

Total Number Dead		✓ (one)	Result	Description
Control	0 / 20	X	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
400 mg/l	0 / 20	-	FAILED	≥40% dead in 750 mg/l (definitive test recommended)
750 mg/l	0 / 20	-	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A05010601-02  
Client/ID: Del Mar INL0926-02

**TEST SUMMARY**

Species: *Pimephales promelas*.  
Fish length (mm): av: 26.2; min: 25; max: 28.  
Fish weight (gm): av: 0.29; min: 0.25; max: 0.37.  
Test chamber volume: 10 liters.  
Temperature: 20 +/- 2°C.  
Aeration: Single bubble through narrow bore tube.  
Number of replicates: 2.  
Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
QA/QC Batch No.: RT-041205.

Source: In-lab culture.  
Regulations: CCR Title 22.  
Test Protocol: California F&G/DHS 1988.  
Endpoints: Survival at 96 hrs.  
Test type: Static.  
Feeding: None.  
Number of fish per chamber: 10.  
Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

	INITIAL			24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	1-7-05 1030			1-8-05 1030				1-9-5 0930				1-10-5 0930				1-11-05 1000			
Analyst:	R			R				R				R				R			
	°C	DO	pH	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	20.2	8.5	8.0	20.8	8.2	7.4	0	21.1	8.1	7.4	0	21.5	8.0	7.3	0	20.9	8.1	7.3	0
Control B	20.1	8.4	8.0	20.7	8.0	7.3	0	21.0	7.9	7.3	0	21.3	7.9	7.3	0	20.7	8.4	7.2	0
400 mg/l A	19.9	8.4	8.2	20.8	7.9	7.5	0	21.1	7.5	7.3	0	21.2	7.0	7.2	0	20.7	8.0	7.2	0
400 mg/l B	19.6	8.5	8.2	20.7	8.1	7.5	0	21.0	7.5	7.4	0	21.2	7.6	7.2	0	20.6	8.2	7.2	0
750 mg/l A	19.4	8.6	8.2	20.6	8.4	7.6	0	21.0	7.6	7.4	0	21.1	7.4	7.3	0	20.6	7.9	7.1	0
750 mg/l B	19.4	8.5	8.2	20.6	8.2	7.6	0	20.4	8.1	7.5	0	21.1	7.8	7.3	0	20.5	7.9	7.1	0

Comments: Extraction method: Mechanical shaking X.  
None (aqueous solution) —.

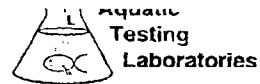
	CONTROL				HIGH CONCENTRATION			
	Alkalinity		Hardness		Alkalinity		Hardness	
Initial	24	mg/l CaCO <sub>3</sub>	42	mg/l CaCO <sub>3</sub>	28	mg/l CaCO <sub>3</sub>	45	mg/l CaCO <sub>3</sub>
Final	24	mg/l CaCO <sub>3</sub>	41	mg/l CaCO <sub>3</sub>	28	mg/l CaCO <sub>3</sub>	46	mg/l CaCO <sub>3</sub>

**RESULTS**

Total Number Dead	
Control	0 / 20
400 mg/l	0 / 20
750 mg/l	0 / 20

✓ (one)	Result	Description
X	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
—	FAILED	≥40% dead in 750 mg/l (definitive test recommended)
—	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: AW5010601-003

Client/ID: Del Mar INL0296-03

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 26.2; min: 25; max: 28.  
 Fish weight (gm): av: 0.29; min: 0.25; max: 0.37.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through narrow bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-041205.

Source: In-lab culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Date/Time:	1-7-05 1031				1-8-05 1031				1-9-5 0930				1-10-5 0930				1-11-05 1002			
Analyst:	<i>[Signature]</i>				<i>[Signature]</i>				<i>[Signature]</i>				<i>[Signature]</i>				<i>[Signature]</i>			
Control A	20.2	8.5	8.0	0	20.8	8.2	7.9	0	21.1	8.1	7.9	0	21.5	8.0	7.3	0	20.9	8.1	7.3	0
Control B	20.1	8.4	8.0	0	20.7	8.0	7.3	0	21.0	7.9	7.3	0	21.3	7.9	7.3	0	20.7	8.4	7.2	0
400 mg/l A	19.8	8.4	8.1	0	20.7	8.2	7.5	0	21.0	8.0	7.4	0	21.5	7.2	7.2	0	20.7	7.5	7.1	0
400 mg/l B	19.6	8.3	8.1	0	20.6	8.1	7.5	0	21.0	7.7	7.4	0	21.4	7.5	7.2	0	20.6	8.3	7.1	0
750 mg/l A	19.4	8.5	8.1	0	20.5	8.1	7.6	0	20.9	8.0	7.5	0	21.3	7.6	7.3	0	20.6	8.3	7.1	0
750 mg/l B	19.3	8.5	8.1	0	20.5	8.4	7.6	0	20.9	8.1	7.5	0	21.2	7.9	7.3	0	20.5	8.2	7.1	0
Comments:	Extraction method: Mechanical shaking <input checked="" type="checkbox"/> . None (aqueous solution) <input type="checkbox"/> .																			

	CONTROL		HIGH CONCENTRATION	
	Alkalinity	Hardness	Alkalinity	Hardness
Initial	24 mg/l CaCO <sub>3</sub>	42 mg/l CaCO <sub>3</sub>	26 mg/l CaCO <sub>3</sub>	46 mg/l CaCO <sub>3</sub>
Final	29 mg/l CaCO <sub>3</sub>	41 mg/l CaCO <sub>3</sub>	25 mg/l CaCO <sub>3</sub>	44 mg/l CaCO <sub>3</sub>

**RESULTS**

Total Number Dead	
Control	0 / 20
400 mg/l	0 / 20
750 mg/l	0 / 20

✓ (one)	Result	Description
X	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
—	FAILED	≥40% dead in 750 mg/l (definitive test recommended)
—	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)