



LABORATORY REPORT

Prepared For: Geosyntec Consultants/Project Navigator - Ascon  
2100 Main Street, Suite 150  
Huntington Beach, CA 92648  
Attention: Mike Reardon

Project: SB0202/31H

Sampled: 07/01/04  
Received: 07/01/04  
Issued: 07/13/04 17:01

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(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.*

SAMPLE CROSS REFERENCE

LABORATORY ID

ING0094-01

CLIENT ID

PNL-F25-19

MATRIX

Soil

Reviewed By:

Del Mar Analytical, Irvine  
Kathleen A. Robb  
Project Manager



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	15	ND	1	7/6/2004	7/6/2004	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
<b>GRO (C6 - C12)</b>	EPA 8015B MOD.	4G08052	2000	<b>3500</b>	400	7/8/2004	7/13/2004	
<b>DRO/ORO (C13 - C40)</b>	EPA 8015B MOD.	4G08052	2000	<b>23000</b>	400	7/8/2004	7/13/2004	
<b>EFH (C6 - C40)</b>	EPA 8015B MOD.	4G08052	2000	<b>27000</b>	400	7/8/2004	7/13/2004	
<i>Surrogate: n-Octacosane (45-125%)</i>				<i>430 %</i>				<i>Z3</i>

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4G08013	4000	<b>25000</b>	4000	7/8/2004	7/9/2004	
Bromobenzene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Bromochloromethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Bromodichloromethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Bromoform	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Bromomethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
n-Butylbenzene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4G08013	10000	<b>180000</b>	4000	7/8/2004	7/9/2004	
tert-Butylbenzene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Carbon tetrachloride	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Chlorobenzene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Chloroethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Chloroform	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Chloromethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
2-Chlorotoluene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
4-Chlorotoluene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
Dibromochloromethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Dibromomethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Dichlorodifluoromethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
1,1-Dichloroethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,2-Dichloroethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,1-Dichloroethene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,2-Dichloropropane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,3-Dichloropropane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
2,2-Dichloropropane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,1-Dichloropropene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
<b>Ethylbenzene</b>	EPA 8260B	4G08013	4000	<b>550000</b>	4000	7/8/2004	7/9/2004	
Hexachlorobutadiene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4G08013	4000	<b>94000</b>	4000	7/8/2004	7/9/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4G08013	4000	<b>5000</b>	4000	7/8/2004	7/9/2004	
Methylene chloride	EPA 8260B	4G08013	40000	ND	4000	7/8/2004	7/9/2004	
<b>Naphthalene</b>	EPA 8260B	4G08013	10000	<b>260000</b>	4000	7/8/2004	7/9/2004	

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

Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: ING0094-01 (PNL-F25-19 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4G08013	4000	<b>28000</b>	4000	7/8/2004	7/9/2004	
<b>Styrene</b>	EPA 8260B	4G08013	4000	<b>53000</b>	4000	7/8/2004	7/9/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Tetrachloroethene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
<b>Toluene</b>	EPA 8260B	4G08013	4000	<b>28000</b>	4000	7/8/2004	7/9/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
1,1,1-Trichloroethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
1,1,2-Trichloroethane	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Trichloroethene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Trichlorofluoromethane	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
1,2,3-Trichloropropane	EPA 8260B	4G08013	20000	ND	4000	7/8/2004	7/9/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4G08013	4000	<b>4500</b>	4000	7/8/2004	7/9/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
Vinyl chloride	EPA 8260B	4G08013	10000	ND	4000	7/8/2004	7/9/2004	
o-Xylene	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
m,p-Xylenes	EPA 8260B	4G08013	4000	ND	4000	7/8/2004	7/9/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				62 %				Z3
<i>Surrogate: Toluene-d8 (60-160%)</i>				72 %				Z3
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				67 %				Z3

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Acenaphthylene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Aniline	EPA 8270C	4G08041	42000	ND	100	7/8/2004	7/9/2004	
Anthracene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Benzidine	EPA 8270C	4G08041	66000	ND	100	7/8/2004	7/9/2004	
Benzoic acid	EPA 8270C	4G08041	83000	ND	100	7/8/2004	7/9/2004	
Benzo(a)anthracene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Benzo(b)fluoranthene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Benzo(k)fluoranthene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Benzo(a)pyrene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Benzyl alcohol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G08041	17000	ND	100	7/8/2004	7/9/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Butyl benzyl phthalate	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Chloroaniline	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2-Chloronaphthalene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2-Chlorophenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Chrysene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G08041	42000	ND	100	7/8/2004	7/9/2004	
Dibenzofuran	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Di-n-butyl phthalate	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G08041	83000	ND	100	7/8/2004	7/9/2004	
2,4-Dichlorophenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Diethyl phthalate	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2,4-Dimethylphenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Dimethyl phthalate	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G08041	42000	ND	100	7/8/2004	7/9/2004	
2,4-Dinitrophenol	EPA 8270C	4G08041	42000	ND	100	7/8/2004	7/9/2004	
2,4-Dinitrotoluene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2,6-Dinitrotoluene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Di-n-octyl phthalate	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Fluoranthene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	

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

Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Hexachlorobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Hexachlorobutadiene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G08041	83000	ND	100	7/8/2004	7/9/2004	
Hexachloroethane	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Isophorone	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2-Methylnaphthalene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2-Methylphenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Methylphenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
<b>Naphthalene</b>	EPA 8270C	4G08041	33000	<b>150000</b>	100	7/8/2004	7/9/2004	
2-Nitroaniline	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
3-Nitroaniline	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Nitroaniline	EPA 8270C	4G08041	83000	ND	100	7/8/2004	7/9/2004	
Nitrobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2-Nitrophenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
4-Nitrophenol	EPA 8270C	4G08041	83000	ND	100	7/8/2004	7/9/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G08041	25000	ND	100	7/8/2004	7/9/2004	
Pentachlorophenol	EPA 8270C	4G08041	83000	ND	100	7/8/2004	7/9/2004	
<b>Phenanthrene</b>	EPA 8270C	4G08041	33000	<b>540000</b>	100	7/8/2004	7/9/2004	
Phenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Pyrene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G08041	33000	ND	100	7/8/2004	7/9/2004	
Surrogate: 2-Fluorophenol (25-120%)				11 %				Z3
Surrogate: Phenol-d6 (30-120%)				7 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				26 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				*				Z3

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

Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
alpha-BHC	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
beta-BHC	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
delta-BHC	EPA 3545/8081A	4G07035	10	ND	1	7/7/2004	7/10/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Chlordane	EPA 3545/8081A	4G07035	50	ND	1	7/7/2004	7/10/2004	
4,4'-DDD	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
4,4'-DDE	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
4,4'-DDT	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Dieldrin	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Endosulfan I	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Endosulfan II	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Endosulfan sulfate	EPA 3545/8081A	4G07035	10	ND	1	7/7/2004	7/10/2004	
Endrin	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Endrin aldehyde	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Endrin ketone	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Heptachlor	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Heptachlor epoxide	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Methoxychlor	EPA 3545/8081A	4G07035	5.0	ND	1	7/7/2004	7/10/2004	
Toxaphene	EPA 3545/8081A	4G07035	200	ND	1	7/7/2004	7/10/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>								36 %
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>								1320 %

ZX

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





Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								<b>RL-1</b>
<b>Reporting Units: ug/kg</b>								
Aroclor 1016	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
Aroclor 1221	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
Aroclor 1232	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
Aroclor 1242	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
Aroclor 1248	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
Aroclor 1254	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
Aroclor 1260	EPA 3545/8082	4G07035	500	ND	10	7/7/2004	7/8/2004	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				<i>110 %</i>				<i>Z3</i>

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4G08087	10	ND	1	7/8/2004	7/8/2004	
<b>Arsenic</b>	EPA 6010B	4G08087	2.0	<b>2.1</b>	1	7/8/2004	7/8/2004	
<b>Barium</b>	EPA 6010B	4G08087	1.0	<b>13</b>	1	7/8/2004	7/8/2004	
Beryllium	EPA 6010B	4G08087	0.50	ND	1	7/8/2004	7/8/2004	
Cadmium	EPA 6010B	4G08087	0.50	ND	1	7/8/2004	7/8/2004	
<b>Chromium</b>	EPA 6010B	4G08087	1.0	<b>6.6</b>	1	7/8/2004	7/8/2004	
<b>Cobalt</b>	EPA 6010B	4G08087	1.0	<b>1.2</b>	1	7/8/2004	7/8/2004	
Copper	EPA 6010B	4G08087	2.0	ND	1	7/8/2004	7/8/2004	
Lead	EPA 6010B	4G08087	2.0	ND	1	7/8/2004	7/8/2004	
Mercury	EPA 7471A	4G12073	0.020	ND	1	7/12/2004	7/12/2004	
Molybdenum	EPA 6010B	4G08087	2.0	ND	1	7/8/2004	7/8/2004	
<b>Nickel</b>	EPA 6010B	4G08087	2.0	<b>3.4</b>	1	7/8/2004	7/8/2004	
Selenium	EPA 6010B	4G08087	2.0	ND	1	7/8/2004	7/8/2004	
Silver	EPA 6010B	4G08087	1.0	ND	1	7/8/2004	7/8/2004	
Thallium	EPA 6010B	4G08087	10	ND	1	7/8/2004	7/8/2004	
<b>Vanadium</b>	EPA 6010B	4G08087	1.0	<b>10</b>	1	7/8/2004	7/8/2004	
<b>Zinc</b>	EPA 6010B	4G08087	5.0	<b>11</b>	1	7/8/2004	7/8/2004	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04

Received: 07/01/04

### ORGANIC LEAD BY GFAA (HML 939-M)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Organic Lead	HML 939-M	4G08065	25	ND	1	7/8/2004	7/8/2004	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	
Oil & Grease	EPA 413.2 MOD.	4G08103	250	<b>4700</b>	50	7/8/2004	7/8/2004	
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4G02048	NA	Not Ignitable	1	7/2/2004	7/2/2004	
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
<b>Sample ID: ING0094-01 (PNL-F25-19 - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4G02044	NA	<b>7.70</b>	1	7/2/2004	7/2/2004	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04

Received: 07/01/04

## SHORT HOLD TIME DETAIL REPORT

Sample ID: PNL-F25-19 (ING0094-01) - Soil EPA 9045C	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
	1	07/01/2004 09:40	07/01/2004 17:30	07/02/2004 14:00	07/02/2004 15:00

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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	RPD Limit	Data Qualifiers
<b>Batch: 4G06081 Extracted: 07/06/04</b>										
<b>Blank Analyzed: 07/06/04 (4G06081-BLK1)</b>										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
<b>LCS Analyzed: 07/06/04 (4G06081-BS1)</b>										
Total Recoverable Hydrocarbons	17.3	5.0	mg/kg	20.0		86	55-130			
<b>Matrix Spike Analyzed: 07/06/04 (4G06081-MS1)</b>										
Total Recoverable Hydrocarbons	72.3	5.0	mg/kg	20.0	29	216	35-130			MI
<b>Matrix Spike Dup Analyzed: 07/06/04 (4G06081-MSD1)</b>										
Total Recoverable Hydrocarbons	58.0	5.0	mg/kg	20.0	29	145	35-130	22	25	MI

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

Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08052 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/10/04 (4G08052-BLK1)</b>										
GRO (C6 - C12)	ND	5.0	mg/kg							
DRO/ORO (C13 - C40)	ND	5.0	mg/kg							
EFH (C6 - C40)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	3.78		mg/kg	6.67		57	45-125			
<b>LCS Analyzed: 07/10/04 (4G08052-BS1)</b>										
EFH (C6 - C40)	18.6	5.0	mg/kg	33.3		56	45-115			
Surrogate: n-Octacosane	3.40		mg/kg	6.67		51	45-125			
<b>Matrix Spike Analyzed: 07/10/04 (4G08052-MS1)</b>					<b>Source: ING0175-19</b>					
EFH (C6 - C40)	23.5	5.0	mg/kg	33.3	ND	71	35-125			
Surrogate: n-Octacosane	3.74		mg/kg	6.67		56	45-125			
<b>Matrix Spike Dup Analyzed: 07/10/04 (4G08052-MSD1)</b>					<b>Source: ING0175-19</b>					
EFH (C6 - C40)	24.1	5.0	mg/kg	33.3	ND	72	35-125	3	30	
Surrogate: n-Octacosane	3.78		mg/kg	6.67		57	45-125			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: 4G08013 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08013-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	250	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





Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: 4G08013 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08013-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	2740		ug/kg	2500		110	50-160			
Surrogate: Toluene-d8	3070		ug/kg	2500		123	60-160			
Surrogate: 4-Bromofluorobenzene	3090		ug/kg	2500		124	60-150			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: 4G08013 Extracted: 07/08/04</b>										
<b>LCS Analyzed: 07/09/04 (4G08013-BS1)</b>										
Benzene	2180	100	ug/kg	2500		87	75-125			
Bromobenzene	2350	250	ug/kg	2500		94	80-120			
Bromochloromethane	2310	250	ug/kg	2500		92	65-140			
Bromodichloromethane	2780	100	ug/kg	2500		111	70-140			
Bromoform	2390	250	ug/kg	2500		96	60-130			
Bromomethane	2280	250	ug/kg	2500		91	35-140			
n-Butylbenzene	2420	250	ug/kg	2500		97	80-130			
sec-Butylbenzene	2320	250	ug/kg	2500		93	75-125			
tert-Butylbenzene	2360	250	ug/kg	2500		94	80-125			
Carbon tetrachloride	2790	250	ug/kg	2500		112	70-140			
Chlorobenzene	2340	100	ug/kg	2500		94	80-125			
Chloroethane	2340	250	ug/kg	2500		94	40-145			
Chloroform	2600	100	ug/kg	2500		104	75-130			
Chloromethane	1860	250	ug/kg	2500		74	30-145			
2-Chlorotoluene	2310	250	ug/kg	2500		92	75-125			
4-Chlorotoluene	2420	250	ug/kg	2500		97	80-125			
Dibromochloromethane	2530	100	ug/kg	2500		101	65-145			
1,2-Dibromo-3-chloropropane	2150	250	ug/kg	2500		86	45-135			
1,2-Dibromoethane (EDB)	2340	100	ug/kg	2500		94	75-130			
Dibromomethane	2380	100	ug/kg	2500		95	75-135			
1,2-Dichlorobenzene	2330	100	ug/kg	2500		93	80-120			
1,3-Dichlorobenzene	2280	100	ug/kg	2500		91	80-120			
1,4-Dichlorobenzene	2320	100	ug/kg	2500		93	80-120			
Dichlorodifluoromethane	1650	250	ug/kg	2500		66	10-160			
1,1-Dichloroethane	2390	100	ug/kg	2500		96	70-135			
1,2-Dichloroethane	2930	100	ug/kg	2500		117	60-150			
1,1-Dichloroethene	2120	250	ug/kg	2500		85	80-145			
cis-1,2-Dichloroethene	2120	100	ug/kg	2500		85	70-135			
trans-1,2-Dichloroethene	2150	100	ug/kg	2500		86	70-135			
1,2-Dichloropropane	2280	100	ug/kg	2500		91	75-125			
1,3-Dichloropropane	2400	100	ug/kg	2500		96	75-130			
2,2-Dichloropropane	2630	100	ug/kg	2500		105	70-150			
1,1-Dichloropropene	2440	100	ug/kg	2500		98	75-130			
cis-1,3-Dichloropropene	2440	100	ug/kg	2500		98	75-130			
trans-1,3-Dichloropropene	2550	100	ug/kg	2500		102	75-135			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: 4G08013 Extracted: 07/08/04</b>										
<b>LCS Analyzed: 07/09/04 (4G08013-BS1)</b>										
Ethylbenzene	2450	100	ug/kg	2500		98	80-120			
Hexachlorobutadiene	2550	250	ug/kg	2500		102	75-140			
Isopropylbenzene	2370	100	ug/kg	2500		95	75-125			
p-Isopropyltoluene	2390	100	ug/kg	2500		96	80-125			
Methylene chloride	2160	1000	ug/kg	2500		86	60-145			
Naphthalene	2450	250	ug/kg	2500		98	50-145			
n-Propylbenzene	2360	100	ug/kg	2500		94	75-130			
Styrene	2610	100	ug/kg	2500		104	80-135			
1,1,1,2-Tetrachloroethane	2610	250	ug/kg	2500		104	70-145			
1,1,2,2-Tetrachloroethane	1780	100	ug/kg	2500		71	60-135			
Tetrachloroethene	2500	100	ug/kg	2500		100	80-125			
Toluene	2290	100	ug/kg	2500		92	80-125			
1,2,3-Trichlorobenzene	2660	250	ug/kg	2500		106	65-135			
1,2,4-Trichlorobenzene	2710	250	ug/kg	2500		108	70-140			
1,1,1-Trichloroethane	2660	100	ug/kg	2500		106	75-140			
1,1,2-Trichloroethane	2210	100	ug/kg	2500		88	70-130			
Trichloroethene	2560	100	ug/kg	2500		102	80-130			
Trichlorofluoromethane	2320	250	ug/kg	2500		93	55-145			
1,2,3-Trichloropropane	2170	500	ug/kg	2500		87	60-130			
1,2,4-Trimethylbenzene	2440	100	ug/kg	2500		98	80-125			
1,3,5-Trimethylbenzene	2430	100	ug/kg	2500		97	80-125			
Vinyl chloride	1760	250	ug/kg	2500		70	10-120			
o-Xylene	2300	100	ug/kg	2500		92	80-125			
m,p-Xylenes	4660	100	ug/kg	5000		93	80-120			
Surrogate: Dibromofluoromethane	2230		ug/kg	2500		89	50-160			
Surrogate: Toluene-d8	2310		ug/kg	2500		92	60-160			
Surrogate: 4-Bromofluorobenzene	2400		ug/kg	2500		96	60-150			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: 4G08013 Extracted: 07/08/04</b>										
<b>LCS Dup Analyzed: 07/09/04 (4G08013-BSD1)</b>										
										<b>M-NR</b>
Benzene	2280	100	ug/kg	2500		91	75-125	4	20	
Bromobenzene	2450	250	ug/kg	2500		98	80-120	4	20	
Bromochloromethane	2340	250	ug/kg	2500		94	65-140	1	20	
Bromodichloromethane	2780	100	ug/kg	2500		111	70-140	0	20	
Bromoform	2440	250	ug/kg	2500		98	60-130	2	25	
Bromomethane	2300	250	ug/kg	2500		92	35-140	1	30	
n-Butylbenzene	2500	250	ug/kg	2500		100	80-130	3	20	
sec-Butylbenzene	2420	250	ug/kg	2500		97	75-125	4	20	
tert-Butylbenzene	2500	250	ug/kg	2500		100	80-125	6	20	
Carbon tetrachloride	2890	250	ug/kg	2500		116	70-140	4	20	
Chlorobenzene	2360	100	ug/kg	2500		94	80-125	1	20	
Chloroethane	2430	250	ug/kg	2500		97	40-145	4	25	
Chloroform	2620	100	ug/kg	2500		105	75-130	1	20	
Chloromethane	1960	250	ug/kg	2500		78	30-145	5	25	
2-Chlorotoluene	2390	250	ug/kg	2500		96	75-125	3	20	
4-Chlorotoluene	2510	250	ug/kg	2500		100	80-125	4	20	
Dibromochloromethane	2540	100	ug/kg	2500		102	65-145	0	20	
1,2-Dibromo-3-chloropropane	2260	250	ug/kg	2500		90	45-135	5	25	
1,2-Dibromoethane (EDB)	2440	100	ug/kg	2500		98	75-130	4	20	
Dibromomethane	2430	100	ug/kg	2500		97	75-135	2	20	
1,2-Dichlorobenzene	2360	100	ug/kg	2500		94	80-120	1	20	
1,3-Dichlorobenzene	2320	100	ug/kg	2500		93	80-120	2	20	
1,4-Dichlorobenzene	2370	100	ug/kg	2500		95	80-120	2	20	
Dichlorodifluoromethane	1710	250	ug/kg	2500		68	10-160	4	30	
1,1-Dichloroethane	2420	100	ug/kg	2500		97	70-135	1	20	
1,2-Dichloroethane	2970	100	ug/kg	2500		119	60-150	1	25	
1,1-Dichloroethene	2190	250	ug/kg	2500		88	80-145	3	20	
cis-1,2-Dichloroethene	2190	100	ug/kg	2500		88	70-135	3	20	
trans-1,2-Dichloroethene	2230	100	ug/kg	2500		89	70-135	4	20	
1,2-Dichloropropane	2300	100	ug/kg	2500		92	75-125	1	20	
1,3-Dichloropropane	2430	100	ug/kg	2500		97	75-130	1	20	
2,2-Dichloropropane	2900	100	ug/kg	2500		116	70-150	10	20	
1,1-Dichloropropene	2520	100	ug/kg	2500		101	75-130	3	20	
cis-1,3-Dichloropropene	2520	100	ug/kg	2500		101	75-130	3	20	
trans-1,3-Dichloropropene	2560	100	ug/kg	2500		102	75-135	0	20	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## 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: 4G08013 Extracted: 07/08/04</b>										
<b>LCS Dup Analyzed: 07/09/04 (4G08013-BSD1)</b>										
Ethylbenzene	2570	100	ug/kg	2500		103	80-120	5	20	M-NR
Hexachlorobutadiene	2640	250	ug/kg	2500		106	75-140	3	20	
Isopropylbenzene	2540	100	ug/kg	2500		102	75-125	7	20	
p-Isopropyltoluene	2470	100	ug/kg	2500		99	80-125	3	20	
Methylene chloride	2170	1000	ug/kg	2500		87	60-145	1	20	
Naphthalene	2480	250	ug/kg	2500		99	50-145	1	25	
n-Propylbenzene	2480	100	ug/kg	2500		99	75-130	5	20	
Styrene	2610	100	ug/kg	2500		104	80-135	0	20	
1,1,1,2-Tetrachloroethane	2670	250	ug/kg	2500		107	70-145	2	20	
1,1,2,2-Tetrachloroethane	1860	100	ug/kg	2500		74	60-135	4	25	
Tetrachloroethene	2660	100	ug/kg	2500		106	80-125	6	20	
Toluene	2350	100	ug/kg	2500		94	80-125	3	20	
1,2,3-Trichlorobenzene	2570	250	ug/kg	2500		103	65-135	3	20	
1,2,4-Trichlorobenzene	2650	250	ug/kg	2500		106	70-140	2	20	
1,1,1-Trichloroethane	2730	100	ug/kg	2500		109	75-140	3	20	
1,1,2-Trichloroethane	2260	100	ug/kg	2500		90	70-130	2	20	
Trichloroethene	2660	100	ug/kg	2500		106	80-130	4	20	
Trichlorofluoromethane	2320	250	ug/kg	2500		93	55-145	0	25	
1,2,3-Trichloropropane	2250	500	ug/kg	2500		90	60-130	4	20	
1,2,4-Trimethylbenzene	2510	100	ug/kg	2500		100	80-125	3	20	
1,3,5-Trimethylbenzene	2580	100	ug/kg	2500		103	80-125	6	20	
Vinyl chloride	1730	250	ug/kg	2500		69	10-120	2	30	
o-Xylene	2370	100	ug/kg	2500		95	80-125	3	20	
m,p-Xylenes	4840	100	ug/kg	5000		97	80-120	4	20	
Surrogate: Dibromofluoromethane	2210		ug/kg	2500		88	50-160			
Surrogate: Toluene-d8	2370		ug/kg	2500		95	60-160			
Surrogate: 4-Bromofluorobenzene	2380		ug/kg	2500		95	60-150			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08041-BLK1)</b>										
Acenaphthene	ND	330	ug/kg							
Acenaphthylene	ND	330	ug/kg							
Aniline	ND	420	ug/kg							
Anthracene	ND	330	ug/kg							
Benzidine	ND	660	ug/kg							
Benzoic acid	ND	830	ug/kg							
Benzo(a)anthracene	ND	330	ug/kg							
Benzo(b)fluoranthene	ND	330	ug/kg							
Benzo(k)fluoranthene	ND	330	ug/kg							
Benzo(g,h,i)perylene	ND	330	ug/kg							
Benzo(a)pyrene	ND	330	ug/kg							
Benzyl alcohol	ND	330	ug/kg							
Bis(2-chloroethoxy)methane	ND	330	ug/kg							
Bis(2-chloroethyl)ether	ND	170	ug/kg							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg							
4-Bromophenyl phenyl ether	ND	330	ug/kg							
Butyl benzyl phthalate	ND	330	ug/kg							
4-Chloroaniline	ND	330	ug/kg							
2-Chloronaphthalene	ND	330	ug/kg							
4-Chloro-3-methylphenol	ND	330	ug/kg							
2-Chlorophenol	ND	330	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	ug/kg							
Chrysene	ND	330	ug/kg							
Dibenz(a,h)anthracene	ND	420	ug/kg							
Dibenzofuran	ND	330	ug/kg							
Di-n-butyl phthalate	ND	330	ug/kg							
1,3-Dichlorobenzene	ND	330	ug/kg							
1,4-Dichlorobenzene	ND	330	ug/kg							
1,2-Dichlorobenzene	ND	330	ug/kg							
3,3-Dichlorobenzidine	ND	830	ug/kg							
2,4-Dichlorophenol	ND	330	ug/kg							
Diethyl phthalate	ND	330	ug/kg							
2,4-Dimethylphenol	ND	330	ug/kg							
Dimethyl phthalate	ND	330	ug/kg							

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08041-BLK1)</b>										
4,6-Dinitro-2-methylphenol	ND	420	ug/kg							
2,4-Dinitrophenol	ND	420	ug/kg							
2,4-Dinitrotoluene	ND	330	ug/kg							
2,6-Dinitrotoluene	ND	330	ug/kg							
Di-n-octyl phthalate	ND	330	ug/kg							
Fluoranthene	ND	330	ug/kg							
Fluorene	ND	330	ug/kg							
Hexachlorobenzene	ND	330	ug/kg							
Hexachlorobutadiene	ND	330	ug/kg							
Hexachlorocyclopentadiene	ND	830	ug/kg							
Hexachloroethane	ND	330	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg							
Isophorone	ND	330	ug/kg							
2-Methylnaphthalene	ND	330	ug/kg							
2-Methylphenol	ND	330	ug/kg							
4-Methylphenol	ND	330	ug/kg							
Naphthalene	ND	330	ug/kg							
2-Nitroaniline	ND	330	ug/kg							
3-Nitroaniline	ND	330	ug/kg							
4-Nitroaniline	ND	830	ug/kg							
Nitrobenzene	ND	330	ug/kg							
2-Nitrophenol	ND	330	ug/kg							
4-Nitrophenol	ND	830	ug/kg							
N-Nitrosodiphenylamine	ND	330	ug/kg							
N-Nitroso-di-n-propylamine	ND	250	ug/kg							
Pentachlorophenol	ND	830	ug/kg							
Phenanthrene	ND	330	ug/kg							
Phenol	ND	330	ug/kg							
Pyrene	ND	330	ug/kg							
1,2,4-Trichlorobenzene	ND	330	ug/kg							
2,4,5-Trichlorophenol	ND	330	ug/kg							
2,4,6-Trichlorophenol	ND	330	ug/kg							
1,2-Diphenylhydrazine/Azobenzene	ND	330	ug/kg							
Surrogate: 2-Fluorophenol	3960		ug/kg	6670		59	25-120			
Surrogate: Phenol-d6	4010		ug/kg	6670		60	30-120			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08041-BLK1)</b>										
Surrogate: 2,4,6-Tribromophenol	5090		ug/kg	6670		76	35-120			
Surrogate: Nitrobenzene-d5	2220		ug/kg	3330		67	30-120			
Surrogate: 2-Fluorobiphenyl	2540		ug/kg	3330		76	35-120			
Surrogate: Terphenyl-d14	2860		ug/kg	3330		86	35-155			
<b>LCS Analyzed: 07/08/04 (4G08041-BS1)</b>										
Acenaphthene	3020	330	ug/kg	3330		91	55-120			
Acenaphthylene	3570	330	ug/kg	3330		107	55-120			
Aniline	2400	420	ug/kg	3330		72	30-120			
Anthracene	3630	330	ug/kg	3330		109	55-120			
Benzidine	1930	660	ug/kg	3330		58	10-180			
Benzoic acid	1670	830	ug/kg	3330		50	30-125			
Benzo(a)anthracene	3270	330	ug/kg	3330		98	65-120			
Benzo(b)fluoranthene	2570	330	ug/kg	3330		77	65-120			
Benzo(k)fluoranthene	2260	330	ug/kg	3330		68	60-120			
Benzo(g,h,i)perylene	2640	330	ug/kg	3330		79	25-160			
Benzo(a)pyrene	2580	330	ug/kg	3330		77	60-120			
Benzyl alcohol	3000	330	ug/kg	3330		90	40-130			
Bis(2-chloroethoxy)methane	3070	330	ug/kg	3330		92	50-120			
Bis(2-chloroethyl)ether	3010	170	ug/kg	3330		90	40-120			
Bis(2-chloroisopropyl)ether	3390	330	ug/kg	3330		102	40-120			
Bis(2-ethylhexyl)phthalate	3220	330	ug/kg	3330		97	65-125			
4-Bromophenyl phenyl ether	2880	330	ug/kg	3330		86	50-125			
Butyl benzyl phthalate	3110	330	ug/kg	3330		93	65-120			
4-Chloroaniline	2330	330	ug/kg	3330		70	20-120			
2-Chloronaphthalene	2870	330	ug/kg	3330		86	50-120			
4-Chloro-3-methylphenol	3490	330	ug/kg	3330		105	50-120			
2-Chlorophenol	2830	330	ug/kg	3330		85	45-120			
4-Chlorophenyl phenyl ether	3420	330	ug/kg	3330		103	55-120			
Chrysene	3180	330	ug/kg	3330		95	60-120			
Dibenz(a,h)anthracene	2720	420	ug/kg	3330		82	25-160			
Dibenzofuran	3040	330	ug/kg	3330		91	55-120			
Di-n-butyl phthalate	3690	330	ug/kg	3330		111	60-120			
1,3-Dichlorobenzene	2460	330	ug/kg	3330		74	40-120			
1,4-Dichlorobenzene	2600	330	ug/kg	3330		78	40-120			
1,2-Dichlorobenzene	2720	330	ug/kg	3330		82	40-120			

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





Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>LCS Analyzed: 07/08/04 (4G08041-BS1)</b>										
3,3-Dichlorobenzidine	2940	830	ug/kg	3330		88	20-170			
2,4-Dichlorophenol	2690	330	ug/kg	3330		81	55-120			
Diethyl phthalate	3550	330	ug/kg	3330		107	55-120			
2,4-Dimethylphenol	2770	330	ug/kg	3330		83	45-120			
Dimethyl phthalate	3530	330	ug/kg	3330		106	60-120			
4,6-Dinitro-2-methylphenol	2650	420	ug/kg	3330		80	50-120			
2,4-Dinitrophenol	1980	420	ug/kg	3330		59	25-140			
2,4-Dinitrotoluene	3460	330	ug/kg	3330		104	60-140			
2,6-Dinitrotoluene	3430	330	ug/kg	3330		103	60-125			
Di-n-octyl phthalate	3520	330	ug/kg	3330		106	60-135			
Fluoranthene	3440	330	ug/kg	3330		103	55-130			
Fluorene	3510	330	ug/kg	3330		105	55-120			
Hexachlorobenzene	2930	330	ug/kg	3330		88	45-120			
Hexachlorobutadiene	2700	330	ug/kg	3330		81	40-120			
Hexachlorocyclopentadiene	2300	830	ug/kg	3330		69	45-130			
Hexachloroethane	2840	330	ug/kg	3330		85	40-120			
Indeno(1,2,3-cd)pyrene	2670	330	ug/kg	3330		80	25-150			
Isophorone	3050	330	ug/kg	3330		92	45-120			
2-Methylnaphthalene	3460	330	ug/kg	3330		104	50-120			
2-Methylphenol	2870	330	ug/kg	3330		86	50-120			
4-Methylphenol	2840	330	ug/kg	3330		85	50-120			
Naphthalene	3510	330	ug/kg	3330		105	45-120			
2-Nitroaniline	3870	330	ug/kg	3330		116	55-130			
3-Nitroaniline	2970	330	ug/kg	3330		89	40-140			
4-Nitroaniline	3450	830	ug/kg	3330		104	40-160			
Nitrobenzene	3100	330	ug/kg	3330		93	45-120			
2-Nitrophenol	2820	330	ug/kg	3330		85	50-120			
4-Nitrophenol	2380	830	ug/kg	3330		71	45-135			
N-Nitrosodiphenylamine	2750	330	ug/kg	3330		83	55-120			
N-Nitroso-di-n-propylamine	3320	250	ug/kg	3330		100	45-120			
Pentachlorophenol	2450	830	ug/kg	3330		74	50-120			
Phenanthrene	3510	330	ug/kg	3330		105	55-120			
Phenol	2620	330	ug/kg	3330		79	45-120			
Pyrene	3490	330	ug/kg	3330		105	50-120			
1,2,4-Trichlorobenzene	2710	330	ug/kg	3330		81	45-120			

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

Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>LCS Analyzed: 07/08/04 (4G08041-BS1)</b>										
2,4,5-Trichlorophenol	3200	330	ug/kg	3330		96	55-120			
2,4,6-Trichlorophenol	2950	330	ug/kg	3330		89	55-120			
1,2-Diphenylhydrazine/Azobenzene	3910	330	ug/kg	3330		117	60-120			
Surrogate: 2-Fluorophenol	5280		ug/kg	6670		79	25-120			
Surrogate: Phenol-d6	5570		ug/kg	6670		84	30-120			
Surrogate: 2,4,6-Tribromophenol	5690		ug/kg	6670		85	35-120			
Surrogate: Nitrobenzene-d5	2970		ug/kg	3330		89	30-120			
Surrogate: 2-Fluorobiphenyl	3200		ug/kg	3330		96	35-120			
Surrogate: Terphenyl-d14	3210		ug/kg	3330		96	35-155			
<b>Matrix Spike Analyzed: 07/09/04 (4G08041-MS1)</b>										
<b>Source: ING0084-08</b>										
Acenaphthene	2700	330	ug/kg	3330	ND	81	45-120			
Acenaphthylene	3210	330	ug/kg	3330	ND	96	45-120			
Aniline	1600	420	ug/kg	3330	ND	48	30-120			
Anthracene	3460	330	ug/kg	3330	ND	104	55-120			
Benzidine	ND	660	ug/kg	3330	ND		10-180			M2
Benzoic acid	637	830	ug/kg	3330	ND	19	20-125			M2
Benzo(a)anthracene	3180	330	ug/kg	3330	ND	95	55-120			
Benzo(b)fluoranthene	2460	330	ug/kg	3330	ND	74	65-120			
Benzo(k)fluoranthene	2360	330	ug/kg	3330	ND	71	55-120			
Benzo(g,h,i)perylene	2200	330	ug/kg	3330	ND	66	25-160			
Benzo(a)pyrene	2500	330	ug/kg	3330	ND	75	60-120			
Benzyl alcohol	2500	330	ug/kg	3330	ND	75	40-130			
Bis(2-chloroethoxy)methane	2560	330	ug/kg	3330	ND	77	45-120			
Bis(2-chloroethyl)ether	2480	170	ug/kg	3330	ND	74	40-120			
Bis(2-chloroisopropyl)ether	2680	330	ug/kg	3330	ND	80	40-120			
Bis(2-ethylhexyl)phthalate	3030	330	ug/kg	3330	ND	91	60-135			
4-Bromophenyl phenyl ether	2770	330	ug/kg	3330	ND	83	50-125			
Butyl benzyl phthalate	2750	330	ug/kg	3330	ND	83	55-150			
4-Chloroaniline	1610	330	ug/kg	3330	ND	48	20-120			
2-Chloronaphthalene	2520	330	ug/kg	3330	ND	76	55-120			
4-Chloro-3-methylphenol	3170	330	ug/kg	3330	ND	95	45-125			
2-Chlorophenol	2320	330	ug/kg	3330	ND	70	40-120			
4-Chlorophenyl phenyl ether	3120	330	ug/kg	3330	ND	94	55-120			
Chrysene	3040	330	ug/kg	3330	ND	91	60-120			
Dibenz(a,h)anthracene	2420	420	ug/kg	3330	ND	73	25-160			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Matrix Spike Analyzed: 07/09/04 (4G08041-MS1)</b>					<b>Source: ING0084-08</b>					
Dibenzofuran	2780	330	ug/kg	3330	ND	83	55-120			
Di-n-butyl phthalate	2630	330	ug/kg	3330	ND	79	60-120			
1,3-Dichlorobenzene	1950	330	ug/kg	3330	ND	59	35-120			
1,4-Dichlorobenzene	2100	330	ug/kg	3330	ND	63	40-120			
1,2-Dichlorobenzene	2220	330	ug/kg	3330	ND	67	40-120			
3,3-Dichlorobenzidine	879	830	ug/kg	3330	ND	26	20-170			
2,4-Dichlorophenol	2390	330	ug/kg	3330	ND	72	40-120			
Diethyl phthalate	3260	330	ug/kg	3330	ND	98	55-120			
2,4-Dimethylphenol	2100	330	ug/kg	3330	ND	63	35-120			
Dimethyl phthalate	3170	330	ug/kg	3330	ND	95	50-120			
4,6-Dinitro-2-methylphenol	1280	420	ug/kg	3330	ND	38	40-120			M2
2,4-Dinitrophenol	598	420	ug/kg	3330	ND	18	20-140			M2
2,4-Dinitrotoluene	3160	330	ug/kg	3330	ND	95	55-140			
2,6-Dinitrotoluene	3060	330	ug/kg	3330	ND	92	55-125			
Di-n-octyl phthalate	3400	330	ug/kg	3330	ND	102	45-140			
Fluoranthene	3160	330	ug/kg	3330	ND	95	45-130			
Fluorene	3240	330	ug/kg	3330	ND	97	55-120			
Hexachlorobenzene	2830	330	ug/kg	3330	ND	85	35-120			
Hexachlorobutadiene	2360	330	ug/kg	3330	ND	71	40-120			
Hexachlorocyclopentadiene	ND	830	ug/kg	3330	ND		30-145			M2
Hexachloroethane	2030	330	ug/kg	3330	ND	61	40-120			
Indeno(1,2,3-cd)pyrene	2370	330	ug/kg	3330	ND	71	25-150			
Isophorone	2590	330	ug/kg	3330	ND	78	40-120			
2-Methylnaphthalene	2950	330	ug/kg	3330	ND	89	40-120			
2-Methylphenol	2380	330	ug/kg	3330	ND	71	40-120			
4-Methylphenol	2380	330	ug/kg	3330	ND	71	40-120			
Naphthalene	2870	330	ug/kg	3330	ND	86	40-120			
2-Nitroaniline	3500	330	ug/kg	3330	ND	105	55-130			
3-Nitroaniline	2540	330	ug/kg	3330	ND	76	40-140			
4-Nitroaniline	2890	830	ug/kg	3330	ND	87	40-160			
Nitrobenzene	2540	330	ug/kg	3330	ND	76	45-120			
2-Nitrophenol	2370	330	ug/kg	3330	ND	71	40-120			
4-Nitrophenol	2640	830	ug/kg	3330	ND	79	35-135			
N-Nitrosodiphenylamine	2700	330	ug/kg	3330	ND	81	55-120			
N-Nitroso-di-n-propylamine	2700	250	ug/kg	3330	ND	81	40-120			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Matrix Spike Analyzed: 07/09/04 (4G08041-MS1)</b>					<b>Source: ING0084-08</b>					
Pentachlorophenol	1960	830	ug/kg	3330	ND	59	40-120			
Phenanthrene	3310	330	ug/kg	3330	ND	99	55-120			
Phenol	2190	330	ug/kg	3330	ND	66	40-120			
Pyrene	3090	330	ug/kg	3330	ND	93	50-120			
1,2,4-Trichlorobenzene	2330	330	ug/kg	3330	ND	70	45-120			
2,4,5-Trichlorophenol	2920	330	ug/kg	3330	ND	88	55-120			
2,4,6-Trichlorophenol	2630	330	ug/kg	3330	ND	79	40-120			
1,2-Diphenylhydrazine/Azobenzene	3510	330	ug/kg	3330	ND	105	60-120			
Surrogate: 2-Fluorophenol	4390		ug/kg	6670		66	25-120			
Surrogate: Phenol-d6	4710		ug/kg	6670		71	30-120			
Surrogate: 2,4,6-Tribromophenol	5830		ug/kg	6670		87	35-120			
Surrogate: Nitrobenzene-d5	2520		ug/kg	3330		76	30-120			
Surrogate: 2-Fluorobiphenyl	2710		ug/kg	3330		81	35-120			
Surrogate: Terphenyl-d14	2950		ug/kg	3330		89	35-155			
<b>Matrix Spike Dup Analyzed: 07/09/04 (4G08041-MSD1)</b>					<b>Source: ING0084-08</b>					
Acenaphthene	2470	330	ug/kg	3330	ND	74	45-120	9	20	
Acenaphthylene	2940	330	ug/kg	3330	ND	88	45-120	9	20	
Aniline	1480	420	ug/kg	3330	ND	44	30-120	8	25	
Anthracene	3120	330	ug/kg	3330	ND	94	55-120	10	20	
Benidine	ND	660	ug/kg	3330	ND		10-180		25	M2
Benzoic acid	963	830	ug/kg	3330	ND	29	20-125	41	25	R-3
Benzo(a)anthracene	3020	330	ug/kg	3330	ND	91	55-120	5	20	
Benzo(b)fluoranthene	2490	330	ug/kg	3330	ND	75	65-120	1	20	
Benzo(k)fluoranthene	2140	330	ug/kg	3330	ND	64	55-120	10	20	
Benzo(g,h,i)perylene	2090	330	ug/kg	3330	ND	63	25-160	5	25	
Benzo(a)pyrene	2470	330	ug/kg	3330	ND	74	60-120	1	20	
Benzyl alcohol	2230	330	ug/kg	3330	ND	67	40-130	11	25	
Bis(2-chloroethoxy)methane	2300	330	ug/kg	3330	ND	69	45-120	11	20	
Bis(2-chloroethyl)ether	2310	170	ug/kg	3330	ND	69	40-120	7	25	
Bis(2-chloroisopropyl)ether	2470	330	ug/kg	3330	ND	74	40-120	8	25	
Bis(2-ethylhexyl)phthalate	2870	330	ug/kg	3330	ND	86	60-135	5	20	
4-Bromophenyl phenyl ether	2460	330	ug/kg	3330	ND	74	50-125	12	20	
Butyl benzyl phthalate	2740	330	ug/kg	3330	ND	82	55-150	0	20	
4-Chloroaniline	1600	330	ug/kg	3330	ND	48	20-120	1	25	
2-Chloronaphthalene	2250	330	ug/kg	3330	ND	68	55-120	11	20	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Matrix Spike Dup Analyzed: 07/09/04 (4G08041-MSD1)</b>					<b>Source: ING0084-08</b>					
4-Chloro-3-methylphenol	3080	330	ug/kg	3330	ND	92	45-125	3	20	
2-Chlorophenol	2100	330	ug/kg	3330	ND	63	40-120	10	20	
4-Chlorophenyl phenyl ether	2920	330	ug/kg	3330	ND	88	55-120	7	20	
Chrysene	2940	330	ug/kg	3330	ND	88	60-120	3	20	
Dibenz(a,h)anthracene	2330	420	ug/kg	3330	ND	70	25-160	4	25	
Dibenzofuran	2590	330	ug/kg	3330	ND	78	55-120	7	20	
Di-n-butyl phthalate	3110	330	ug/kg	3330	ND	93	60-120	17	20	
1,3-Dichlorobenzene	1660	330	ug/kg	3330	ND	50	35-120	16	25	
1,4-Dichlorobenzene	1890	330	ug/kg	3330	ND	57	40-120	11	25	
1,2-Dichlorobenzene	1960	330	ug/kg	3330	ND	59	40-120	12	20	
3,3-Dichlorobenzidine	1300	830	ug/kg	3330	ND	39	20-170	39	25	R
2,4-Dichlorophenol	2220	330	ug/kg	3330	ND	67	40-120	7	20	
Diethyl phthalate	3040	330	ug/kg	3330	ND	91	55-120	7	20	
2,4-Dimethylphenol	1990	330	ug/kg	3330	ND	60	35-120	5	25	
Dimethyl phthalate	2950	330	ug/kg	3330	ND	89	50-120	7	20	
4,6-Dinitro-2-methylphenol	1560	420	ug/kg	3330	ND	47	40-120	20	20	
2,4-Dinitrophenol	579	420	ug/kg	3330	ND	17	20-140	3	25	M2
2,4-Dinitrotoluene	2960	330	ug/kg	3330	ND	89	55-140	7	20	
2,6-Dinitrotoluene	2770	330	ug/kg	3330	ND	83	55-125	10	20	
Di-n-octyl phthalate	3240	330	ug/kg	3330	ND	97	45-140	5	20	
Fluoranthene	2850	330	ug/kg	3330	ND	86	45-130	10	20	
Fluorene	3020	330	ug/kg	3330	ND	91	55-120	7	20	
Hexachlorobenzene	2510	330	ug/kg	3330	ND	75	35-120	12	25	
Hexachlorobutadiene	2080	330	ug/kg	3330	ND	62	40-120	13	20	
Hexachlorocyclopentadiene	373	830	ug/kg	3330	ND	11	30-145		30	M2
Hexachloroethane	1770	330	ug/kg	3330	ND	53	40-120	14	20	
Indeno(1,2,3-cd)pyrene	2350	330	ug/kg	3330	ND	71	25-150	1	25	
Isophorone	2350	330	ug/kg	3330	ND	71	40-120	10	20	
2-Methylnaphthalene	2730	330	ug/kg	3330	ND	82	40-120	8	20	
2-Methylphenol	2170	330	ug/kg	3330	ND	65	40-120	9	20	
4-Methylphenol	2130	330	ug/kg	3330	ND	64	40-120	11	20	
Naphthalene	2540	330	ug/kg	3330	ND	76	40-120	12	20	
2-Nitroaniline	3290	330	ug/kg	3330	ND	99	55-130	6	20	
3-Nitroaniline	2480	330	ug/kg	3330	ND	74	40-140	2	25	
4-Nitroaniline	2320	830	ug/kg	3330	ND	70	40-160	22	20	R

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08041 Extracted: 07/08/04</b>										
<b>Matrix Spike Dup Analyzed: 07/09/04 (4G08041-MSD1)</b>					<b>Source: ING0084-08</b>					
Nitrobenzene	2290	330	ug/kg	3330	ND	69	45-120	10	20	
2-Nitrophenol	2060	330	ug/kg	3330	ND	62	40-120	14	20	
4-Nitrophenol	2160	830	ug/kg	3330	ND	65	35-135	20	25	
N-Nitrosodiphenylamine	2450	330	ug/kg	3330	ND	74	55-120	10	20	
N-Nitroso-di-n-propylamine	2500	250	ug/kg	3330	ND	75	40-120	8	20	
Pentachlorophenol	1870	830	ug/kg	3330	ND	56	40-120	5	20	
Phenanthrene	2940	330	ug/kg	3330	ND	88	55-120	12	20	
Phenol	1970	330	ug/kg	3330	ND	59	40-120	11	20	
Pyrene	3040	330	ug/kg	3330	ND	91	50-120	2	20	
1,2,4-Trichlorobenzene	2020	330	ug/kg	3330	ND	61	45-120	14	20	
2,4,5-Trichlorophenol	2660	330	ug/kg	3330	ND	80	55-120	9	20	
2,4,6-Trichlorophenol	2420	330	ug/kg	3330	ND	73	40-120	8	20	
1,2-Diphenylhydrazine/Azobenzene	3310	330	ug/kg	3330	ND	99	60-120	6	20	
Surrogate: 2-Fluorophenol	3970		ug/kg	6670		60	25-120			
Surrogate: Phenol-d6	4360		ug/kg	6670		65	30-120			
Surrogate: 2,4,6-Tribromophenol	5150		ug/kg	6670		77	35-120			
Surrogate: Nitrobenzene-d5	2230		ug/kg	3330		67	30-120			
Surrogate: 2-Fluorobiphenyl	2440		ug/kg	3330		73	35-120			
Surrogate: Terphenyl-d14	2880		ug/kg	3330		86	35-155			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G07035 Extracted: 07/07/04</b>										
<b>Blank Analyzed: 07/09/04 (4G07035-BLK1)</b>										
Aldrin	ND	5.0	ug/kg							
alpha-BHC	ND	5.0	ug/kg							
beta-BHC	ND	5.0	ug/kg							
delta-BHC	ND	10	ug/kg							
gamma-BHC (Lindane)	ND	5.0	ug/kg							
Chlordane	ND	50	ug/kg							
4,4'-DDD	ND	5.0	ug/kg							
4,4'-DDE	ND	5.0	ug/kg							
4,4'-DDT	ND	5.0	ug/kg							
Dieldrin	ND	5.0	ug/kg							
Endosulfan I	ND	5.0	ug/kg							
Endosulfan II	ND	5.0	ug/kg							
Endosulfan sulfate	ND	10	ug/kg							
Endrin	ND	5.0	ug/kg							
Endrin aldehyde	ND	5.0	ug/kg							
Endrin ketone	ND	5.0	ug/kg							
Heptachlor	ND	5.0	ug/kg							
Heptachlor epoxide	ND	5.0	ug/kg							
Methoxychlor	ND	5.0	ug/kg							
Toxaphene	ND	200	ug/kg							
Surrogate: Tetrachloro- <i>m</i> -xylene	21.3		ug/kg	33.3		64	35-115			
Surrogate: Decachlorobiphenyl	29.8		ug/kg	33.3		89	45-120			

### LCS Analyzed: 07/09/04 (4G07035-BS1)

Aldrin	21.6	5.0	ug/kg	33.3		65	50-115			A-01
alpha-BHC	21.7	5.0	ug/kg	33.3		65	55-115			
beta-BHC	23.2	5.0	ug/kg	33.3		70	55-115			
delta-BHC	25.5	10	ug/kg	33.3		77	60-115			
gamma-BHC (Lindane)	22.3	5.0	ug/kg	33.3		67	50-115			
4,4'-DDD	25.4	5.0	ug/kg	33.3		76	60-115			
4,4'-DDE	24.5	5.0	ug/kg	33.3		74	60-115			
4,4'-DDT	27.4	5.0	ug/kg	33.3		82	65-120			
Dieldrin	24.3	5.0	ug/kg	33.3		73	60-115			
Endosulfan I	23.5	5.0	ug/kg	33.3		71	60-115			
Endosulfan II	24.7	5.0	ug/kg	33.3		74	60-115			
Endosulfan sulfate	24.4	10	ug/kg	33.3		73	65-115			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G07035 Extracted: 07/07/04</b>										
<b>LCS Analyzed: 07/09/04 (4G07035-BS1)</b>										
Endrin	24.4	5.0	ug/kg	33.3		73	60-115			A-01
Endrin aldehyde	24.4	5.0	ug/kg	33.3		73	55-115			
Endrin ketone	25.0	5.0	ug/kg	33.3		75	60-115			
Heptachlor	23.9	5.0	ug/kg	33.3		72	50-115			
Heptachlor epoxide	23.1	5.0	ug/kg	33.3		69	55-115			
Methoxychlor	27.6	5.0	ug/kg	33.3		83	60-120			
Surrogate: Tetrachloro-m-xylene	19.6		ug/kg	33.3		59	35-115			
Surrogate: Decachlorobiphenyl	27.7		ug/kg	33.3		83	45-120			

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





Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G07035 Extracted: 07/07/04</b>										
<b>Blank Analyzed: 07/08/04 (4G07035-BLK2)</b>										
Aroclor 1016	ND	50	ug/kg							
Aroclor 1221	ND	50	ug/kg							
Aroclor 1232	ND	50	ug/kg							
Aroclor 1242	ND	50	ug/kg							
Aroclor 1248	ND	50	ug/kg							
Aroclor 1254	ND	50	ug/kg							
Aroclor 1260	ND	50	ug/kg							
Surrogate: Decachlorobiphenyl	25.5		ug/kg	33.3		77	45-120			
<b>LCS Analyzed: 07/08/04 (4G07035-BS2)</b>										
Aroclor 1016	213	50	ug/kg	267		80	55-115			
Aroclor 1260	209	50	ug/kg	267		78	55-115			
Surrogate: Decachlorobiphenyl	24.9		ug/kg	33.3		75	45-120			
<b>LCS Dup Analyzed: 07/08/04 (4G07035-BSD2)</b>										
Aroclor 1016	214	50	ug/kg	267		80	55-115	1	20	
Aroclor 1260	213	50	ug/kg	267		80	55-115	2	20	
Surrogate: Decachlorobiphenyl	25.6		ug/kg	33.3		77	45-120			

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08087 Extracted: 07/08/04</b>									
<b>Blank Analyzed: 07/08/04 (4G08087-BLK1)</b>									
Antimony	ND	10	mg/kg						
Arsenic	ND	2.0	mg/kg						
Barium	ND	1.0	mg/kg						
Beryllium	ND	0.50	mg/kg						
Cadmium	ND	0.50	mg/kg						
Chromium	ND	1.0	mg/kg						
Cobalt	ND	1.0	mg/kg						
Copper	ND	2.0	mg/kg						
Lead	ND	2.0	mg/kg						
Molybdenum	ND	2.0	mg/kg						
Nickel	ND	2.0	mg/kg						
Selenium	ND	2.0	mg/kg						
Silver	ND	1.0	mg/kg						
Thallium	ND	10	mg/kg						
Vanadium	ND	1.0	mg/kg						
Zinc	ND	5.0	mg/kg						
<b>LCS Analyzed: 07/08/04 (4G08087-BS1)</b>									
Antimony	47.0	10	mg/kg	50.0		94		80-120	
Arsenic	46.6	2.0	mg/kg	50.0		93		80-120	
Barium	46.4	1.0	mg/kg	50.0		93		80-120	
Beryllium	45.4	0.50	mg/kg	50.0		91		80-120	
Cadmium	45.6	0.50	mg/kg	50.0		91		80-120	
Chromium	46.6	1.0	mg/kg	50.0		93		80-120	
Cobalt	44.4	1.0	mg/kg	50.0		89		80-120	
Copper	43.8	2.0	mg/kg	50.0		88		80-120	
Lead	47.5	2.0	mg/kg	50.0		95		80-120	
Molybdenum	45.2	2.0	mg/kg	50.0		90		80-120	
Nickel	45.7	2.0	mg/kg	50.0		91		80-120	
Selenium	45.4	2.0	mg/kg	50.0		91		80-120	
Silver	22.7	1.0	mg/kg	25.0		91		80-120	
Thallium	43.8	10	mg/kg	50.0		88		80-120	
Vanadium	45.4	1.0	mg/kg	50.0		91		80-120	
Zinc	44.0	5.0	mg/kg	50.0		88		80-120	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08087 Extracted: 07/08/04</b>										
<b>Matrix Spike Analyzed: 07/08/04 (4G08087-MS1)</b>					<b>Source: ING0134-02</b>					
Antimony	31.6	10	mg/kg	50.0	ND	63	75-125			M2
Arsenic	46.6	2.0	mg/kg	50.0	1.2	91	75-125			
Barium	77.0	1.0	mg/kg	50.0	37	80	75-125			
Beryllium	45.4	0.50	mg/kg	50.0	0.15	90	75-125			
Cadmium	44.4	0.50	mg/kg	50.0	ND	89	75-125			
Chromium	51.1	1.0	mg/kg	50.0	7.0	88	75-125			
Cobalt	45.2	1.0	mg/kg	50.0	2.4	86	75-125			
Copper	49.8	2.0	mg/kg	50.0	4.3	91	75-125			
Lead	46.7	2.0	mg/kg	50.0	1.6	90	75-125			
Molybdenum	43.6	2.0	mg/kg	50.0	ND	87	75-125			
Nickel	47.8	2.0	mg/kg	50.0	3.0	90	75-125			
Selenium	44.1	2.0	mg/kg	50.0	ND	88	75-125			
Silver	22.1	1.0	mg/kg	25.0	ND	88	75-125			
Thallium	42.4	10	mg/kg	50.0	ND	85	75-125			
Vanadium	58.4	1.0	mg/kg	50.0	17	83	75-125			
Zinc	58.6	5.0	mg/kg	50.0	17	83	75-125			
<b>Matrix Spike Dup Analyzed: 07/08/04 (4G08087-MSD1)</b>					<b>Source: ING0134-02</b>					
Antimony	29.3	10	mg/kg	50.0	ND	59	75-125	8	20	M2
Arsenic	47.4	2.0	mg/kg	50.0	1.2	92	75-125	2	20	
Barium	80.4	1.0	mg/kg	50.0	37	87	75-125	4	20	
Beryllium	45.6	0.50	mg/kg	50.0	0.15	91	75-125	0	20	
Cadmium	45.1	0.50	mg/kg	50.0	ND	90	75-125	2	20	
Chromium	53.0	1.0	mg/kg	50.0	7.0	92	75-125	4	20	
Cobalt	45.9	1.0	mg/kg	50.0	2.4	87	75-125	2	20	
Copper	50.6	2.0	mg/kg	50.0	4.3	93	75-125	2	20	
Lead	47.6	2.0	mg/kg	50.0	1.6	92	75-125	2	20	
Molybdenum	44.1	2.0	mg/kg	50.0	ND	88	75-125	1	20	
Nickel	48.6	2.0	mg/kg	50.0	3.0	91	75-125	2	20	
Selenium	45.3	2.0	mg/kg	50.0	ND	91	75-125	3	20	
Silver	22.4	1.0	mg/kg	25.0	ND	90	75-125	1	20	
Thallium	43.2	10	mg/kg	50.0	ND	86	75-125	2	20	
Vanadium	63.0	1.0	mg/kg	50.0	17	92	75-125	8	20	
Zinc	60.4	5.0	mg/kg	50.0	17	87	75-125	3	20	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04

Received: 07/01/04

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G12073 Extracted: 07/12/04</b>										
<b>Blank Analyzed: 07/12/04 (4G12073-BLK1)</b>										
Mercury	ND	0.020	mg/kg							
<b>LCS Analyzed: 07/12/04 (4G12073-BS1)</b>										
Mercury	0.840	0.020	mg/kg	0.800		105	85-120			
<b>Matrix Spike Analyzed: 07/12/04 (4G12073-MS1)</b>										
					<b>Source: ING0192-04</b>					
Mercury	0.855	0.020	mg/kg	0.800	0.030	103	65-135			
<b>Matrix Spike Dup Analyzed: 07/12/04 (4G12073-MSD1)</b>										
					<b>Source: ING0192-04</b>					
Mercury	0.850	0.020	mg/kg	0.800	0.030	102	65-135	1	20	

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### ORGANIC LEAD BY GFAA (HML 939-M)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08065 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08065-BLK1)</b>										
Organic Lead	ND	25	ug/kg							
<b>LCS Analyzed: 07/08/04 (4G08065-BS1)</b>										
Organic Lead	106	25	ug/kg	100		106	80-120			
<b>Matrix Spike Analyzed: 07/08/04 (4G08065-MS1)</b>										
Organic Lead	103	25	ug/kg	100	ND	103	80-120			
<b>Matrix Spike Dup Analyzed: 07/08/04 (4G08065-MSD1)</b>										
Organic Lead	103	25	ug/kg	100	ND	103	80-120	0	20	

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

Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G02044 Extracted: 07/02/04</b>										
<b>Duplicate Analyzed: 07/02/04 (4G02044-DUP1)</b>										
pH	6.70	NA	pH Units		6.68			0	5	
<b>Batch: 4G02048 Extracted: 07/02/04</b>										
<b>Duplicate Analyzed: 07/02/04 (4G02048-DUP1)</b>										
Ignitability	Ignitable	NA	N/A		1.0			0	200	SB
<b>Duplicate Analyzed: 07/02/04 (4G02048-DUP2)</b>										
Ignitability	Ignitable	NA	N/A		1.0			0	200	SB
<b>Batch: 4G06080 Extracted: 07/06/04</b>										
<b>Blank Analyzed: 07/07/04 (4G06080-BLK1)</b>										
Chromium VI	ND	0.20	mg/kg							
<b>LCS Analyzed: 07/07/04 (4G06080-BS1)</b>										
Chromium VI	3.80	0.20	mg/kg	5.00		76	65-110			
<b>Matrix Spike Analyzed: 07/07/04 (4G06080-MS1)</b>										
Chromium VI	1.23	0.20	mg/kg	5.00	0.017	24	55-110			M2
<b>Matrix Spike Dup Analyzed: 07/07/04 (4G06080-MSD1)</b>										
Chromium VI	1.64	0.20	mg/kg	5.00	0.017	32	55-110	29	20	M2, R-3
<b>Batch: 4G08103 Extracted: 07/08/04</b>										
<b>Blank Analyzed: 07/08/04 (4G08103-BLK1)</b>										
Oil & Grease	ND	5.0	mg/kg							

Del Mar Analytical, Irvine  
 Kathleen A. Robb  
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04

Received: 07/01/04

## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G08103 Extracted: 07/08/04</b>										
<b>LCS Analyzed: 07/08/04 (4G08103-BS1)</b>										
Oil & Grease	13.8	5.0	mg/kg	20.0		69	55-130			
<b>Matrix Spike Analyzed: 07/08/04 (4G08103-MS1)</b>										
Oil & Grease	9040	250	mg/kg	20.0	4700	21700	35-130			M-HA
<b>Matrix Spike Dup Analyzed: 07/08/04 (4G08103-MSD1)</b>										
Oil & Grease	6170	250	mg/kg	20.0	4700	7350	35-130	38	25	M-HA

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



Geosyntec Consultants/Project Navigator - Ascon  
2100 Main Street, Suite 150  
Huntington Beach, CA 92648  
Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
Received: 07/01/04

## DATA QUALIFIERS AND DEFINITIONS

- A-01** No MS1, MSD1 were reported due to high level of nontarget analytes.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- 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).
- M-NR** No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-1** Reporting limit raised due to sample matrix effects.
- SB** Sustained burning when exposed to open flame.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ZX** Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

## ADDITIONAL COMMENTS

### For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

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

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

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



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: SB0202/31H

Report Number: ING0094

Sampled: 07/01/04  
 Received: 07/01/04

## Certification Summary

### Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 3545/8081A	Soil	X	X
EPA 3545/8082	Soil	X	X
EPA 413.2 MOD.	Soil	N/A	N/A
EPA 418.1	Soil	X	X
EPA 6010B	Soil	X	X
EPA 7199	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8015B MOD.	Soil	N/A	N/A
EPA 8260B	Soil-extr	X	X
EPA 8270C	Soil	X	X
EPA 9045C	Soil	X	X
HML 939-M	Soil		
SW846 7.1.2	Soil		
SW846 7.3.2.1	Soil		X
SW-846 9095A	Soil		

*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).*

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



ING0094

~~INF 0894~~

Volatile Organic Compounds (VOCs) <sup>(1)</sup>	EPA 8260B	18
Semi-Volatile Organic Compounds (SVOCs)/ Polyaromatic Hydrocarbons (PAHs) <sup>(1)</sup>	EPA 8270C	18
Hexavalent Chromium <sup>(1)</sup>	EPA 7199	18
Organic Lead <sup>(1)</sup>	DHS Luft	18
Organochlorine Pesticides	EPA 8081	18
Polychlorinated bi-phenyls (PCBs)	EPA 8082	18
California Title 22 Metals <sup>(1)</sup>	EPA 6010B/7471A	18
Total Petroleum Hydrocarbons as Gasoline (TPHg) C6-C12, C13-C40	EPA 8015M	18
Total Recoverable Petroleum Hydrocarbons (TRPH)	EPA 418.1	18
Oil & Grease	EPA 413.2	18
Corrosivity	EPA 9045C Solid/9040 Liquid	18
Reactivity	SW 846 7.3.2.1	18
Ignitability	SW 846 7.1.2	18