



## LABORATORY REPORT

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

Project: S130202131

Sampled: 06/15/04  
 Received: 06/15/04  
 Revised: 10/14/04 15:15

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, 3 pages, are included and are an integral part of this report.  
 This entire report was reviewed and approved for release.*

### CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.  
 HOLDING TIMES: Holding times were met.  
 PRESERVATION: Samples requiring preservation were verified prior to sample analysis.  
 QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.  
 COMMENTS: Revised report per client's request to correct Sample I.D.'s.  
 SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
INF0940-01	PNL-PB1	Soil
INF0940-02	PNL-PB1-23.5-EC	Soil
INF0940-03	PNL-PA1-17-EC	Soil
INF0940-04	PNL-PA1-19-EC	Soil
INF0940-05	WS-1	Soil
INF0940-06	PNL-PA1	Soil
INF0940-07	PNL-PH1-7-EC	Soil
INF0940-08	PNL-PH1-8.5-EC	Soil
INF0940-09	PNL-PH1-12.5	Soil
INF0940-10	PNL-PH1-11	Soil
INF0940-11	PNL-PH1-7	Soil
INF0940-12	PNL-PH1-8.5	Soil

Reviewed By:

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

Geosyntec Consultants/Project Navigator - Ascon  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

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## 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: INF0940-01 (PNL-PB1 - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4F17052	750	<b>47000</b>	50	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4F17052	300	<b>15000</b>	20	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4F17052	600	<b>21000</b>	20	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4F17052	600	<b>27000</b>	20	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4F17052	300	<b>11000</b>	10	6/17/2004	6/17/2004	M-HA
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4F17052	750	<b>35000</b>	50	6/17/2004	6/17/2004	

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## EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4F16064	500	2700	100	6/16/2004	6/23/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4F16064	500	16000	100	6/16/2004	6/23/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4F16064	500	19000	100	6/16/2004	6/23/2004	
Surrogate: n-Octacosane (50-125%)				663 %				Z3
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4F17034	250	1800	50	6/17/2004	6/22/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4F17034	250	9000	50	6/17/2004	6/22/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4F17034	250	11000	50	6/17/2004	6/22/2004	
Surrogate: n-Octacosane (50-125%)				77 %				Z3
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4F17034	300	1000	60	6/17/2004	6/22/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4F17034	300	12000	60	6/17/2004	6/22/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4F17034	300	13000	60	6/17/2004	6/22/2004	
Surrogate: n-Octacosane (50-125%)				357 %				Z3
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4F17034	300	1800	60	6/17/2004	6/22/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4F17034	300	11000	60	6/17/2004	6/22/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4F17034	300	13000	60	6/17/2004	6/22/2004	
Surrogate: n-Octacosane (50-125%)				338 %				Z3
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4F17034	150	230	30	6/17/2004	6/22/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4F17034	150	2400	30	6/17/2004	6/22/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4F17034	150	2600	30	6/17/2004	6/22/2004	
Surrogate: n-Octacosane (50-125%)				142 %				Z3
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4F17034	600	2200	120	6/17/2004	6/23/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4F17034	600	17000	120	6/17/2004	6/23/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4F17034	600	19000	120	6/17/2004	6/23/2004	
Surrogate: n-Octacosane (50-125%)				444 %				Z3

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Bromobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Bromochloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Bromodichloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Bromoform	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Bromomethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
n-Butylbenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17012	250	<b>1800</b>	100	6/17/2004	6/17/2004	
tert-Butylbenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Carbon tetrachloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Chlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Chloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Chloroform	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Chloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
2-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
4-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
Dibromochloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Dibromomethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Dichlorodifluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
1,1-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,2-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,1-Dichloroethene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,3-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
2,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,1-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17012	100	<b>4900</b>	100	6/17/2004	6/17/2004	
Hexachlorobutadiene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17012	100	<b>2700</b>	100	6/17/2004	6/17/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17012	100	<b>3100</b>	100	6/17/2004	6/17/2004	
Methylene chloride	EPA 8260B	4F17012	1000	ND	100	6/17/2004	6/17/2004	
<b>Naphthalene</b>	EPA 8260B	4F17012	250	<b>5700</b>	100	6/17/2004	6/17/2004	

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17012	100	<b>4100</b>	100	6/17/2004	6/17/2004	
Styrene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Tetrachloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Toluene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Trichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
Trichlorofluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17012	500	ND	100	6/17/2004	6/17/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17012	100	<b>8500</b>	100	6/17/2004	6/17/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F17012	100	<b>860</b>	100	6/17/2004	6/17/2004	
Vinyl chloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/17/2004	
o-Xylene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/17/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F17012	100	<b>1400</b>	100	6/17/2004	6/17/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				89 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				88 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				98 %				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
n-Butylbenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17012	250	<b>640</b>	100	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17012	100	<b>220</b>	100	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17012	100	<b>410</b>	100	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17012	100	<b>580</b>	100	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17012	1000	ND	100	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17012	250	<b>6700</b>	100	6/17/2004	6/18/2004	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17012	100	<b>680</b>	100	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Toluene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17012	500	ND	100	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17012	100	<b>2400</b>	100	6/17/2004	6/18/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F17012	100	<b>740</b>	100	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>o-Xylene</b>	EPA 8260B	4F17012	100	<b>270</b>	100	6/17/2004	6/18/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F17012	100	<b>340</b>	100	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				<i>100 %</i>				
<i>Surrogate: Toluene-d8 (60-160%)</i>				<i>110 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				<i>103 %</i>				

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





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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

## 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: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Bromobenzene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Bromochloromethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Bromodichloromethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Bromoform	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Bromomethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4F20013	5.0	<b>34</b>	1	6/20/2004	6/20/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F20013	5.0	<b>42</b>	1	6/20/2004	6/20/2004	
tert-Butylbenzene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Carbon tetrachloride	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Chlorobenzene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Chloroethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Chloroform	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Chloromethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
2-Chlorotoluene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
4-Chlorotoluene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
Dibromochloromethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Dibromomethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,2-Dichlorobenzene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,3-Dichlorobenzene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,4-Dichlorobenzene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Dichlorodifluoromethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
1,1-Dichloroethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,2-Dichloroethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,1-Dichloroethene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,2-Dichloropropane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,3-Dichloropropane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
2,2-Dichloropropane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	C
1,1-Dichloropropene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F20013	2.0	<b>7.3</b>	1	6/20/2004	6/20/2004	
Hexachlorobutadiene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F20013	2.0	<b>67</b>	1	6/20/2004	6/20/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F20013	2.0	<b>5.2</b>	1	6/20/2004	6/20/2004	
Methylene chloride	EPA 8260B	4F20013	20	ND	1	6/20/2004	6/20/2004	
<b>Naphthalene</b>	EPA 8260B	4F20013	5.0	<b>34</b>	1	6/20/2004	6/20/2004	

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F20013	2.0	<b>99</b>	1	6/20/2004	6/20/2004	
Styrene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Tetrachloroethene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Toluene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
1,1,1-Trichloroethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
1,1,2-Trichloroethane	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Trichloroethene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Trichlorofluoromethane	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
1,2,3-Trichloropropane	EPA 8260B	4F20013	10	ND	1	6/20/2004	6/20/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F20013	2.0	<b>8.9</b>	1	6/20/2004	6/20/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
Vinyl chloride	EPA 8260B	4F20013	5.0	ND	1	6/20/2004	6/20/2004	
o-Xylene	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
m,p-Xylenes	EPA 8260B	4F20013	2.0	ND	1	6/20/2004	6/20/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>104 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>102 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>94 %</i>				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4F17012	250	<b>630</b>	100	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17012	250	<b>840</b>	100	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17012	100	<b>750</b>	100	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17012	100	<b>1300</b>	100	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17012	100	<b>430</b>	100	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17012	1000	ND	100	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17012	250	<b>2400</b>	100	6/17/2004	6/18/2004	

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17012	100	<b>1800</b>	100	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Toluene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17012	500	ND	100	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17012	100	<b>400</b>	100	6/17/2004	6/18/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
o-Xylene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
m,p-Xylenes	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				93 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				100 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				98 %				

**Del Mar Analytical, Irvine**  
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## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Bromobenzene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Bromochloromethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Bromodichloromethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Bromoform	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Bromomethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
n-Butylbenzene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F19012	12	<b>87</b>	2.5	6/19/2004	6/19/2004	
tert-Butylbenzene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Carbon tetrachloride	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Chlorobenzene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Chloroethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Chloroform	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Chloromethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
2-Chlorotoluene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
4-Chlorotoluene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
Dibromochloromethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Dibromomethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,2-Dichlorobenzene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,3-Dichlorobenzene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,4-Dichlorobenzene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Dichlorodifluoromethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
1,1-Dichloroethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,2-Dichloroethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,1-Dichloroethene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,2-Dichloropropane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,3-Dichloropropane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
2,2-Dichloropropane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,1-Dichloropropene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F19012	5.0	<b>110</b>	2.5	6/19/2004	6/19/2004	
Hexachlorobutadiene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F19012	5.0	<b>180</b>	2.5	6/19/2004	6/19/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F19012	5.0	<b>89</b>	2.5	6/19/2004	6/19/2004	
Methylene chloride	EPA 8260B	4F19012	50	ND	2.5	6/19/2004	6/19/2004	
<b>Naphthalene</b>	EPA 8260B	4F19012	12	<b>150</b>	2.5	6/19/2004	6/19/2004	

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

## 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: INF0940-11 (PNL-PH1-7 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F19012	5.0	<b>250</b>	2.5	6/19/2004	6/19/2004	
Styrene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Tetrachloroethene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Toluene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
1,1,1-Trichloroethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
1,1,2-Trichloroethane	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Trichloroethene	EPA 8260B	4F19012	5.0	ND	2.5	6/19/2004	6/19/2004	
Trichlorofluoromethane	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
1,2,3-Trichloropropane	EPA 8260B	4F19012	25	ND	2.5	6/19/2004	6/19/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F19012	5.0	<b>240</b>	2.5	6/19/2004	6/19/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F19012	5.0	<b>79</b>	2.5	6/19/2004	6/19/2004	
Vinyl chloride	EPA 8260B	4F19012	12	ND	2.5	6/19/2004	6/19/2004	
<b>o-Xylene</b>	EPA 8260B	4F19012	5.0	<b>6.8</b>	2.5	6/19/2004	6/19/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F19012	5.0	<b>20</b>	2.5	6/19/2004	6/19/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>103 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>103 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>104 %</i>				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4F17012	250	<b>780</b>	100	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17012	250	<b>1100</b>	100	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17012	100	<b>640</b>	100	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17012	100	<b>1700</b>	100	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17012	100	<b>350</b>	100	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17012	1000	ND	100	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17012	250	<b>2700</b>	100	6/17/2004	6/18/2004	

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Report Number: INF0940

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17012	100	<b>2400</b>	100	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Toluene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17012	500	ND	100	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17012	100	<b>220</b>	100	6/17/2004	6/18/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17012	250	ND	100	6/17/2004	6/18/2004	
o-Xylene	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
m,p-Xylenes	EPA 8260B	4F17012	100	ND	100	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				81 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				90 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				86 %				

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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-02 (PNL-PB1-23.5-EC - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4F17022	90	<b>430</b>	90.4	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
n-Butylbenzene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17022	230	<b>2400</b>	90.4	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17022	90	<b>6400</b>	90.4	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17022	90	<b>3800</b>	90.4	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17022	90	<b>4800</b>	90.4	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17022	900	ND	90.4	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17022	230	<b>7400</b>	90.4	6/17/2004	6/18/2004	

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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-02 (PNL-PB1-23.5-EC - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17022	90	<b>5700</b>	90.4	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
<b>Toluene</b>	EPA 8260B	4F17022	90	<b>100</b>	90.4	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17022	90	ND	90.4	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17022	450	ND	90.4	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17022	90	<b>14000</b>	90.4	6/17/2004	6/18/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F17022	90	<b>2200</b>	90.4	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17022	230	ND	90.4	6/17/2004	6/18/2004	
<b>o-Xylene</b>	EPA 8260B	4F17022	90	<b>630</b>	90.4	6/17/2004	6/18/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F17022	90	<b>8100</b>	90.4	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				88 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				92 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				95 %				

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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-03 (PNL-PA1-17-EC - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4F17022	100	<b>160</b>	98.2	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
n-Butylbenzene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17022	250	<b>2400</b>	98.2	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
<b>1,2-Dichlorobenzene</b>	EPA 8260B	4F17022	100	<b>350</b>	98.2	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17022	100	<b>1300</b>	98.2	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17022	100	<b>1200</b>	98.2	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17022	100	<b>1100</b>	98.2	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17022	1000	ND	98.2	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17022	250	<b>20000</b>	98.2	6/17/2004	6/18/2004	

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-03 (PNL-PA1-17-EC - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17022	100	<b>2600</b>	98.2	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
<b>Toluene</b>	EPA 8260B	4F17022	100	<b>120</b>	98.2	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17022	100	ND	98.2	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17022	500	ND	98.2	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17022	100	<b>3000</b>	98.2	6/17/2004	6/18/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F17022	100	<b>1200</b>	98.2	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17022	250	ND	98.2	6/17/2004	6/18/2004	
<b>o-Xylene</b>	EPA 8260B	4F17022	100	<b>690</b>	98.2	6/17/2004	6/18/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F17022	100	<b>550</b>	98.2	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				90 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				91 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				92 %				

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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-04 (PNL-PA1-19-EC - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
n-Butylbenzene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17022	250	<b>1400</b>	94.9	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
<b>1,2-Dichlorobenzene</b>	EPA 8260B	4F17022	100	<b>160</b>	94.9	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17022	100	<b>560</b>	94.9	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17022	100	<b>620</b>	94.9	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17022	100	<b>910</b>	94.9	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17022	1000	ND	94.9	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17022	250	<b>12000</b>	94.9	6/17/2004	6/18/2004	

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Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-04 (PNL-PA1-19-EC - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17022	100	<b>1300</b>	94.9	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
<b>Toluene</b>	EPA 8260B	4F17022	100	<b>120</b>	94.9	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17022	100	ND	94.9	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17022	500	ND	94.9	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17022	100	<b>3500</b>	94.9	6/17/2004	6/18/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F17022	100	<b>1100</b>	94.9	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17022	250	ND	94.9	6/17/2004	6/18/2004	
<b>o-Xylene</b>	EPA 8260B	4F17022	100	<b>570</b>	94.9	6/17/2004	6/18/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F17022	100	<b>770</b>	94.9	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				76 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				78 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				83 %				

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Geosyntec Consultants/Project Navigator - Ascon

Project ID: S130202131

2100 Main Street, Suite 150

Sampled: 06/15/04

Huntington Beach, CA 92648

Report Number: INF0940

Received: 06/15/04

Attention: Mike Reardon

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-05 (WS-1 - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4F17022	390	<b>480</b>	158	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17022	390	<b>480</b>	158	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Ethylbenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17022	160	<b>530</b>	158	6/17/2004	6/18/2004	
p-Isopropyltoluene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17022	1600	ND	158	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17022	390	<b>910</b>	158	6/17/2004	6/18/2004	

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 Received: 06/15/04

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-05 (WS-1 - Soil) - cont.</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17022	160	<b>760</b>	158	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Toluene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17022	790	ND	158	6/17/2004	6/18/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17022	390	ND	158	6/17/2004	6/18/2004	
o-Xylene	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
m,p-Xylenes	EPA 8260B	4F17022	160	ND	158	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				87 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				90 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				90 %				

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



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 Attention: Mike Reardon

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-07 (PNL-PH1-7-EC - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
n-Butylbenzene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4F17022	310	<b>1000</b>	124	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
<b>Ethylbenzene</b>	EPA 8260B	4F17022	120	<b>1400</b>	124	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17022	120	<b>1400</b>	124	6/17/2004	6/18/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4F17022	120	<b>2000</b>	124	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17022	1200	ND	124	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17022	310	<b>2400</b>	124	6/17/2004	6/18/2004	

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-07 (PNL-PH1-7-EC - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17022	120	<b>2200</b>	124	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Toluene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17022	120	ND	124	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17022	620	ND	124	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17022	120	<b>4900</b>	124	6/17/2004	6/18/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4F17022	120	<b>1600</b>	124	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17022	310	ND	124	6/17/2004	6/18/2004	
<b>o-Xylene</b>	EPA 8260B	4F17022	120	<b>150</b>	124	6/17/2004	6/18/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4F17022	120	<b>370</b>	124	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				91 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				97 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				98 %				

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

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Report Number: INF0940

Received: 06/15/04

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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-08 (PNL-PH1-8.5-EC - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Benzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Bromobenzene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Bromochloromethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Bromodichloromethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Bromoform	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Bromomethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
n-Butylbenzene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
sec-Butylbenzene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
tert-Butylbenzene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Carbon tetrachloride	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Chlorobenzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Chloroethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Chloroform	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Chloromethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
2-Chlorotoluene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
4-Chlorotoluene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
Dibromochloromethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Dibromomethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,2-Dichlorobenzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,3-Dichlorobenzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,4-Dichlorobenzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Dichlorodifluoromethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
1,1-Dichloroethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,2-Dichloroethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,1-Dichloroethene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
cis-1,2-Dichloroethene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
trans-1,2-Dichloroethene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,2-Dichloropropane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,3-Dichloropropane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
2,2-Dichloropropane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,1-Dichloropropene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
cis-1,3-Dichloropropene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
trans-1,3-Dichloropropene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Ethylbenzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Hexachlorobutadiene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4F17022	130	<b>370</b>	130	6/17/2004	6/18/2004	
p-Isopropyltoluene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Methylene chloride	EPA 8260B	4F17022	1300	ND	130	6/17/2004	6/18/2004	
<b>Naphthalene</b>	EPA 8260B	4F17022	330	<b>600</b>	130	6/17/2004	6/18/2004	

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Report Number: INF0940

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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-08 (PNL-PH1-8.5-EC - Soil) - cont.</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4F17022	130	<b>500</b>	130	6/17/2004	6/18/2004	
Styrene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Tetrachloroethene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Toluene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
1,1,1-Trichloroethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
1,1,2-Trichloroethane	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Trichloroethene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Trichlorofluoromethane	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
1,2,3-Trichloropropane	EPA 8260B	4F17022	650	ND	130	6/17/2004	6/18/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4F17022	130	<b>190</b>	130	6/17/2004	6/18/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
Vinyl chloride	EPA 8260B	4F17022	330	ND	130	6/17/2004	6/18/2004	
o-Xylene	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
m,p-Xylenes	EPA 8260B	4F17022	130	ND	130	6/17/2004	6/18/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				76 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				87 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				87 %				

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Report Number: INF0940

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**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: INF0940-01 (PNL-PB1 - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Acenaphthylene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Aniline	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/22/2004	
Anthracene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Benzidine	EPA 8270C	4F18039	33000	ND	50	6/18/2004	6/22/2004	
Benzoic acid	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/22/2004	
Benzo(a)anthracene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Benzo(b)fluoranthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Benzo(k)fluoranthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Benzo(g,h,i)perylene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Benzo(a)pyrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Benzyl alcohol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4F18039	8400	ND	50	6/18/2004	6/22/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Butyl benzyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Chloroaniline	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2-Chloronaphthalene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Chloro-3-methylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2-Chlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Chrysene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Dibenz(a,h)anthracene	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/22/2004	
Dibenzofuran	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Di-n-butyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
1,3-Dichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
1,4-Dichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
1,2-Dichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
3,3-Dichlorobenzidine	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/22/2004	
2,4-Dichlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Diethyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2,4-Dimethylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Dimethyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/22/2004	
2,4-Dinitrophenol	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/22/2004	
2,4-Dinitrotoluene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2,6-Dinitrotoluene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Di-n-octyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Fluoranthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	

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



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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

## 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: INF0940-01 (PNL-PB1 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Hexachlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Hexachlorobutadiene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Hexachlorocyclopentadiene	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/22/2004	
Hexachloroethane	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Isophorone	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
<b>2-Methylnaphthalene</b>	EPA 8270C	4F18039	17000	<b>17000</b>	50	6/18/2004	6/22/2004	
2-Methylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Methylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Naphthalene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2-Nitroaniline	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
3-Nitroaniline	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Nitroaniline	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/22/2004	
Nitrobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2-Nitrophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
4-Nitrophenol	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/22/2004	
N-Nitrosodiphenylamine	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4F18039	12000	ND	50	6/18/2004	6/22/2004	
Pentachlorophenol	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/22/2004	
Phenanthrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Phenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Pyrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2,4,5-Trichlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
2,4,6-Trichlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/22/2004	
Surrogate: 2-Fluorophenol (25-120%)				74 %				Z3
Surrogate: Phenol-d6 (30-120%)				75 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				90 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				105 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				48 %				Z3

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





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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## 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: INF0940-06 (PNL-PA1 - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Acenaphthylene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Aniline	EPA 8270C	4F18039	42000	ND	100	6/18/2004	6/23/2004	
Anthracene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Benzidine	EPA 8270C	4F18039	66000	ND	100	6/18/2004	6/23/2004	
Benzoic acid	EPA 8270C	4F18039	83000	ND	100	6/18/2004	6/23/2004	
Benzo(a)anthracene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Benzo(b)fluoranthene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Benzo(k)fluoranthene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Benzo(g,h,i)perylene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Benzo(a)pyrene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Benzyl alcohol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4F18039	17000	ND	100	6/18/2004	6/23/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Butyl benzyl phthalate	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Chloroaniline	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2-Chloronaphthalene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Chloro-3-methylphenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2-Chlorophenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Chrysene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Dibenz(a,h)anthracene	EPA 8270C	4F18039	42000	ND	100	6/18/2004	6/23/2004	
Dibenzofuran	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Di-n-butyl phthalate	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
1,3-Dichlorobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
1,4-Dichlorobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
1,2-Dichlorobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
3,3-Dichlorobenzidine	EPA 8270C	4F18039	83000	ND	100	6/18/2004	6/23/2004	
2,4-Dichlorophenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Diethyl phthalate	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2,4-Dimethylphenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Dimethyl phthalate	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4F18039	42000	ND	100	6/18/2004	6/23/2004	
2,4-Dinitrophenol	EPA 8270C	4F18039	42000	ND	100	6/18/2004	6/23/2004	
2,4-Dinitrotoluene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2,6-Dinitrotoluene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Di-n-octyl phthalate	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Fluoranthene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

Report Number: INF0940

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Received: 06/15/04

## 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: INF0940-06 (PNL-PA1 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Hexachlorobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Hexachlorobutadiene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Hexachlorocyclopentadiene	EPA 8270C	4F18039	83000	ND	100	6/18/2004	6/23/2004	
Hexachloroethane	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Isophorone	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
<b>2-Methylnaphthalene</b>	EPA 8270C	4F18039	33000	<b>63000</b>	100	6/18/2004	6/23/2004	
2-Methylphenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Methylphenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Naphthalene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2-Nitroaniline	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
3-Nitroaniline	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Nitroaniline	EPA 8270C	4F18039	83000	ND	100	6/18/2004	6/23/2004	
Nitrobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2-Nitrophenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
4-Nitrophenol	EPA 8270C	4F18039	83000	ND	100	6/18/2004	6/23/2004	
N-Nitrosodiphenylamine	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4F18039	25000	ND	100	6/18/2004	6/23/2004	
Pentachlorophenol	EPA 8270C	4F18039	83000	ND	100	6/18/2004	6/23/2004	
Phenanthrene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Phenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Pyrene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2,4,5-Trichlorophenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
2,4,6-Trichlorophenol	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4F18039	33000	ND	100	6/18/2004	6/23/2004	
Surrogate: 2-Fluorophenol (25-120%)				53 %				Z3
Surrogate: Phenol-d6 (30-120%)				56 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				42 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				82 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				80 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				104 %				Z3

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

**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: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Acenaphthylene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Aniline	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
Anthracene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzidine	EPA 8270C	4F18039	13000	ND	20	6/18/2004	6/23/2004	
Benzoic acid	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Benzo(a)anthracene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(b)fluoranthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(k)fluoranthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(g,h,i)perylene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(a)pyrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzyl alcohol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4F18039	3300	ND	20	6/18/2004	6/23/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Butyl benzyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Chloroaniline	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Chloronaphthalene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Chloro-3-methylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Chlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Chrysene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Dibenz(a,h)anthracene	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
Dibenzofuran	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Di-n-butyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,3-Dichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,4-Dichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,2-Dichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
3,3-Dichlorobenzidine	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
2,4-Dichlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Diethyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,4-Dimethylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Dimethyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
2,4-Dinitrophenol	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
2,4-Dinitrotoluene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,6-Dinitrotoluene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Di-n-octyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Fluoranthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	

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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

**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: INF0940-09 (PNL-PH1-12.5 - Soil) - cont.</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Hexachlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Hexachlorobutadiene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Hexachlorocyclopentadiene	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Hexachloroethane	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Isophorone	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Methylnaphthalene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Methylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Methylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Naphthalene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Nitroaniline	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
3-Nitroaniline	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Nitroaniline	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Nitrobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Nitrophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Nitrophenol	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
N-Nitrosodiphenylamine	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4F18039	5000	ND	20	6/18/2004	6/23/2004	
Pentachlorophenol	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Phenanthrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Phenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Pyrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,4,5-Trichlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,4,6-Trichlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Surrogate: 2-Fluorophenol (25-120%)				57 %				Z3
Surrogate: Phenol-d6 (30-120%)				57 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				58 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				63 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				67 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				92 %				Z3

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

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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

**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: INF0940-10 (PNL-PH1-11 - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Acenaphthylene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Aniline	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
Anthracene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzidine	EPA 8270C	4F18039	13000	ND	20	6/18/2004	6/23/2004	
Benzoic acid	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Benzo(a)anthracene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(b)fluoranthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(k)fluoranthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(g,h,i)perylene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzo(a)pyrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Benzyl alcohol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4F18039	3300	ND	20	6/18/2004	6/23/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Butyl benzyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Chloroaniline	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Chloronaphthalene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Chloro-3-methylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Chlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Chrysene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Dibenz(a,h)anthracene	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
Dibenzofuran	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Di-n-butyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,3-Dichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,4-Dichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,2-Dichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
3,3-Dichlorobenzidine	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
2,4-Dichlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Diethyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,4-Dimethylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Dimethyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
2,4-Dinitrophenol	EPA 8270C	4F18039	8300	ND	20	6/18/2004	6/23/2004	
2,4-Dinitrotoluene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,6-Dinitrotoluene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Di-n-octyl phthalate	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Fluoranthene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	

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



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Project ID: S130202131

Report Number: INF0940

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Received: 06/15/04

**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: INF0940-10 (PNL-PH1-11 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	RL-2
Hexachlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Hexachlorobutadiene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Hexachlorocyclopentadiene	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Hexachloroethane	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Isophorone	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Methylnaphthalene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Methylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Methylphenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Naphthalene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Nitroaniline	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
3-Nitroaniline	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Nitroaniline	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Nitrobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2-Nitrophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
4-Nitrophenol	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
N-Nitrosodiphenylamine	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4F18039	5000	ND	20	6/18/2004	6/23/2004	
Pentachlorophenol	EPA 8270C	4F18039	17000	ND	20	6/18/2004	6/23/2004	
Phenanthrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Phenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Pyrene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,4,5-Trichlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
2,4,6-Trichlorophenol	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4F18039	6700	ND	20	6/18/2004	6/23/2004	
Surrogate: 2-Fluorophenol (25-120%)				51 %				Z3
Surrogate: Phenol-d6 (30-120%)				45 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				44 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				60 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				60 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				79 %				Z3

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



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Project ID: S130202131

Report Number: INF0940

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Received: 06/15/04

**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: INF0940-11 (PNL-PH1-7 - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Acenaphthylene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Aniline	EPA 8270C	4F18039	2100	ND	5	6/18/2004	6/23/2004	
Anthracene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Benzidine	EPA 8270C	4F18039	3300	ND	5	6/18/2004	6/23/2004	
Benzoic acid	EPA 8270C	4F18039	4200	ND	5	6/18/2004	6/23/2004	
Benzo(a)anthracene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Benzo(b)fluoranthene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Benzo(k)fluoranthene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Benzo(g,h,i)perylene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Benzo(a)pyrene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Benzyl alcohol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4F18039	840	ND	5	6/18/2004	6/23/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Butyl benzyl phthalate	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Chloroaniline	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2-Chloronaphthalene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Chloro-3-methylphenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2-Chlorophenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Chrysene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Dibenz(a,h)anthracene	EPA 8270C	4F18039	2100	ND	5	6/18/2004	6/23/2004	
Dibenzofuran	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Di-n-butyl phthalate	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
1,3-Dichlorobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
1,4-Dichlorobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
1,2-Dichlorobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
3,3-Dichlorobenzidine	EPA 8270C	4F18039	4200	ND	5	6/18/2004	6/23/2004	
2,4-Dichlorophenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Diethyl phthalate	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2,4-Dimethylphenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Dimethyl phthalate	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4F18039	2100	ND	5	6/18/2004	6/23/2004	
2,4-Dinitrophenol	EPA 8270C	4F18039	2100	ND	5	6/18/2004	6/23/2004	
2,4-Dinitrotoluene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2,6-Dinitrotoluene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Di-n-octyl phthalate	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Fluoranthene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	

**Del Mar Analytical, Irvine**  
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Report Number: INF0940

Sampled: 06/15/04

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**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: INF0940-11 (PNL-PH1-7 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	RL-2
Hexachlorobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Hexachlorobutadiene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Hexachlorocyclopentadiene	EPA 8270C	4F18039	4200	ND	5	6/18/2004	6/23/2004	
Hexachloroethane	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Isophorone	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2-Methylnaphthalene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2-Methylphenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Methylphenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Naphthalene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2-Nitroaniline	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
3-Nitroaniline	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Nitroaniline	EPA 8270C	4F18039	4200	ND	5	6/18/2004	6/23/2004	
Nitrobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2-Nitrophenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
4-Nitrophenol	EPA 8270C	4F18039	4200	ND	5	6/18/2004	6/23/2004	
N-Nitrosodiphenylamine	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4F18039	1200	ND	5	6/18/2004	6/23/2004	
Pentachlorophenol	EPA 8270C	4F18039	4200	ND	5	6/18/2004	6/23/2004	
Phenanthrene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Phenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Pyrene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2,4,5-Trichlorophenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
2,4,6-Trichlorophenol	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4F18039	1700	ND	5	6/18/2004	6/23/2004	
Surrogate: 2-Fluorophenol (25-120%)				48 %				
Surrogate: Phenol-d6 (30-120%)				52 %				
Surrogate: 2,4,6-Tribromophenol (35-120%)				68 %				
Surrogate: Nitrobenzene-d5 (30-120%)				53 %				
Surrogate: 2-Fluorobiphenyl (35-120%)				36 %				
Surrogate: Terphenyl-d14 (35-155%)				77 %				

**Del Mar Analytical, Irvine**  
Kathleen A. Robb For Amanda Cordova  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

**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: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	RL-2
Acenaphthylene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Aniline	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/23/2004	
Anthracene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Benzidine	EPA 8270C	4F18039	33000	ND	50	6/18/2004	6/23/2004	
Benzoic acid	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/23/2004	
Benzo(a)anthracene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Benzo(b)fluoranthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Benzo(k)fluoranthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Benzo(g,h,i)perylene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Benzo(a)pyrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Benzyl alcohol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4F18039	8400	ND	50	6/18/2004	6/23/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Butyl benzyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Chloroaniline	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2-Chloronaphthalene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Chloro-3-methylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2-Chlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Chrysene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Dibenz(a,h)anthracene	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/23/2004	
Dibenzofuran	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Di-n-butyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
1,3-Dichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
1,4-Dichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
1,2-Dichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
3,3-Dichlorobenzidine	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/23/2004	
2,4-Dichlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Diethyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2,4-Dimethylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Dimethyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/23/2004	
2,4-Dinitrophenol	EPA 8270C	4F18039	21000	ND	50	6/18/2004	6/23/2004	
2,4-Dinitrotoluene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2,6-Dinitrotoluene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Di-n-octyl phthalate	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Fluoranthene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	

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

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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

**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: INF0940-12 (PNL-PH1-8.5 - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Hexachlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Hexachlorobutadiene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Hexachlorocyclopentadiene	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/23/2004	
Hexachloroethane	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Isophorone	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2-Methylnaphthalene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2-Methylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Methylphenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Naphthalene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2-Nitroaniline	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
3-Nitroaniline	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Nitroaniline	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/23/2004	
Nitrobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2-Nitrophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
4-Nitrophenol	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/23/2004	
N-Nitrosodiphenylamine	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4F18039	12000	ND	50	6/18/2004	6/23/2004	
Pentachlorophenol	EPA 8270C	4F18039	42000	ND	50	6/18/2004	6/23/2004	
Phenanthrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Phenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Pyrene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2,4,5-Trichlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
2,4,6-Trichlorophenol	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4F18039	17000	ND	50	6/18/2004	6/23/2004	
Surrogate: 2-Fluorophenol (25-120%)				69 %				Z3
Surrogate: Phenol-d6 (30-120%)				55 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				60 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				109 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				81 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				117 %				Z3

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

Geosyntec Consultants/Project Navigator - Ascon Project ID: S130202131  
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 Huntington Beach, CA 92648 Report Number: INF0940  
 Attention: Mike Reardon

Sampled: 06/15/04  
 Received: 06/15/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								<b>C-7</b>
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
alpha-BHC	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
beta-BHC	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
delta-BHC	EPA 3545/8081A	4F20032	25	ND	2.5	6/20/2004	6/24/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Chlordane	EPA 3545/8081A	4F20032	120	ND	2.5	6/20/2004	6/24/2004	
4,4'-DDD	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
4,4'-DDE	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
4,4'-DDT	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Dieldrin	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Endosulfan I	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Endosulfan II	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Endosulfan sulfate	EPA 3545/8081A	4F20032	25	ND	2.5	6/20/2004	6/24/2004	
Endrin	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Endrin aldehyde	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Endrin ketone	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Heptachlor	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Heptachlor epoxide	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Methoxychlor	EPA 3545/8081A	4F20032	12	ND	2.5	6/20/2004	6/24/2004	
Toxaphene	EPA 3545/8081A	4F20032	500	ND	2.5	6/20/2004	6/24/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				57 %				
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				66 %				

**Del Mar Analytical, Irvine**  
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Sampled: 06/15/04  
 Received: 06/15/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								<b>C-7, RL-1</b>
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
alpha-BHC	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
beta-BHC	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
delta-BHC	EPA 3545/8081A	4F20032	500	ND	50	6/20/2004	6/24/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Chlordane	EPA 3545/8081A	4F20032	2500	ND	50	6/20/2004	6/24/2004	
4,4'-DDD	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
4,4'-DDE	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
4,4'-DDT	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Dieldrin	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Endosulfan I	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Endosulfan II	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Endosulfan sulfate	EPA 3545/8081A	4F20032	500	ND	50	6/20/2004	6/24/2004	
Endrin	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Endrin aldehyde	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Endrin ketone	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Heptachlor	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Heptachlor epoxide	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Methoxychlor	EPA 3545/8081A	4F20032	250	ND	50	6/20/2004	6/24/2004	
Toxaphene	EPA 3545/8081A	4F20032	10000	ND	50	6/20/2004	6/24/2004	
Surrogate: Tetrachloro- <i>m</i> -xylene (35-115%)				52 %				Z3
Surrogate: Decachlorobiphenyl (45-125%)				*				Z3

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



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Sampled: 06/15/04  
 Received: 06/15/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								<b>C-7, RL-1</b>
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
alpha-BHC	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
beta-BHC	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
delta-BHC	EPA 3545/8081A	4F20032	300	ND	30	6/20/2004	6/24/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Chlordane	EPA 3545/8081A	4F20032	1500	ND	30	6/20/2004	6/24/2004	
4,4'-DDD	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
4,4'-DDE	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
4,4'-DDT	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Dieldrin	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Endosulfan I	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Endosulfan II	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Endosulfan sulfate	EPA 3545/8081A	4F20032	300	ND	30	6/20/2004	6/24/2004	
Endrin	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Endrin aldehyde	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Endrin ketone	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Heptachlor	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Heptachlor epoxide	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Methoxychlor	EPA 3545/8081A	4F20032	150	ND	30	6/20/2004	6/24/2004	
Toxaphene	EPA 3545/8081A	4F20032	6000	ND	30	6/20/2004	6/24/2004	
Surrogate: Tetrachloro- <i>m</i> -xylene (35-115%)				58 %				Z3
Surrogate: Decachlorobiphenyl (45-125%)				*				Z3

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb For Amanda Cordova  
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Sampled: 06/15/04  
 Received: 06/15/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								<b>C-7</b>
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
alpha-BHC	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
beta-BHC	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
delta-BHC	EPA 3545/8081A	4F20032	30	ND	3	6/20/2004	6/24/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Chlordane	EPA 3545/8081A	4F20032	150	ND	3	6/20/2004	6/24/2004	
4,4'-DDD	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
4,4'-DDE	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
4,4'-DDT	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Dieldrin	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endosulfan I	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endosulfan II	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endosulfan sulfate	EPA 3545/8081A	4F20032	30	ND	3	6/20/2004	6/24/2004	
Endrin	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endrin aldehyde	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endrin ketone	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Heptachlor	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Heptachlor epoxide	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Methoxychlor	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Toxaphene	EPA 3545/8081A	4F20032	600	ND	3	6/20/2004	6/24/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				62 %				
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				69 %				

**Del Mar Analytical, Irvine**  
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 Project Manager

Geosyntec Consultants/Project Navigator - Ascon Project ID: S130202131  
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 Huntington Beach, CA 92648 Report Number: INF0940  
 Attention: Mike Reardon

Sampled: 06/15/04  
 Received: 06/15/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								<b>C-7</b>
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
alpha-BHC	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
beta-BHC	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
delta-BHC	EPA 3545/8081A	4F20032	10	ND	1	6/20/2004	6/24/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Chlordane	EPA 3545/8081A	4F20032	50	ND	1	6/20/2004	6/24/2004	
4,4'-DDD	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
4,4'-DDE	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
4,4'-DDT	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Dieldrin	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Endosulfan I	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Endosulfan II	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Endosulfan sulfate	EPA 3545/8081A	4F20032	10	ND	1	6/20/2004	6/24/2004	
Endrin	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Endrin aldehyde	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Endrin ketone	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Heptachlor	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Heptachlor epoxide	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Methoxychlor	EPA 3545/8081A	4F20032	5.0	ND	1	6/20/2004	6/24/2004	
Toxaphene	EPA 3545/8081A	4F20032	200	ND	1	6/20/2004	6/24/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				53 %				
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				60 %				

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

Geosyntec Consultants/Project Navigator - Ascon Project ID: S130202131  
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 Huntington Beach, CA 92648 Report Number: INF0940  
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Sampled: 06/15/04  
 Received: 06/15/04

## ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								<b>C-7</b>
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
alpha-BHC	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
beta-BHC	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
delta-BHC	EPA 3545/8081A	4F20032	30	ND	3	6/20/2004	6/24/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Chlordane	EPA 3545/8081A	4F20032	150	ND	3	6/20/2004	6/24/2004	
4,4'-DDD	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
4,4'-DDE	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
4,4'-DDT	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Dieldrin	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endosulfan I	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endosulfan II	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endosulfan sulfate	EPA 3545/8081A	4F20032	30	ND	3	6/20/2004	6/24/2004	
Endrin	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endrin aldehyde	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Endrin ketone	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Heptachlor	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Heptachlor epoxide	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Methoxychlor	EPA 3545/8081A	4F20032	15	ND	3	6/20/2004	6/24/2004	
Toxaphene	EPA 3545/8081A	4F20032	600	ND	3	6/20/2004	6/24/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				54 %				
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				58 %				

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								<b>RL-1</b>
<b>Reporting Units: ug/kg</b>								
Aroclor 1016	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
Aroclor 1221	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
Aroclor 1232	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
Aroclor 1242	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
Aroclor 1248	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
Aroclor 1254	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
Aroclor 1260	EPA 3545/8082	4F20032	120	ND	2.5	6/20/2004	6/21/2004	
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				65 %				
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								<b>RL-1</b>
<b>Reporting Units: ug/kg</b>								
Aroclor 1016	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
Aroclor 1221	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
Aroclor 1232	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
Aroclor 1242	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
Aroclor 1248	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
Aroclor 1254	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
Aroclor 1260	EPA 3545/8082	4F20032	620	ND	12.5	6/20/2004	6/24/2004	
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				9 %				Z3
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								<b>RL-1</b>
<b>Reporting Units: ug/kg</b>								
Aroclor 1016	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
Aroclor 1221	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
Aroclor 1232	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
Aroclor 1242	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
Aroclor 1248	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
Aroclor 1254	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
Aroclor 1260	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/24/2004	
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				80 %				

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## POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1221	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1232	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1242	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1248	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1254	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1260	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Surrogate: Decachlorobiphenyl (45-125%)				68 %				
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Aroclor 1221	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Aroclor 1232	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Aroclor 1242	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Aroclor 1248	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Aroclor 1254	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Aroclor 1260	EPA 3545/8082	4F20032	50	ND	1	6/20/2004	6/21/2004	
Surrogate: Decachlorobiphenyl (45-125%)				61 %				
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1221	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1232	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1242	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1248	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1254	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Aroclor 1260	EPA 3545/8082	4F20032	75	ND	1.5	6/20/2004	6/21/2004	
Surrogate: Decachlorobiphenyl (45-125%)				71 %				

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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Arsenic</b>	EPA 6010B	4F17073	2.0	<b>3.9</b>	1	6/17/2004	6/19/2004	
<b>Barium</b>	EPA 6010B	4F17073	1.0	<b>200</b>	1	6/17/2004	6/19/2004	
Beryllium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
Cadmium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
<b>Chromium</b>	EPA 6010B	4F17073	1.0	<b>16</b>	1	6/17/2004	6/19/2004	
<b>Cobalt</b>	EPA 6010B	4F17073	1.0	<b>4.7</b>	1	6/17/2004	6/19/2004	
<b>Copper</b>	EPA 6010B	4F17073	2.0	<b>15</b>	1	6/17/2004	6/19/2004	
<b>Lead</b>	EPA 6010B	4F17073	2.0	<b>14</b>	1	6/17/2004	6/19/2004	
<b>Mercury</b>	EPA 7471A	4F21063	0.020	<b>0.095</b>	1	6/21/2004	6/21/2004	
<b>Molybdenum</b>	EPA 6010B	4F17073	2.0	<b>2.1</b>	1	6/17/2004	6/19/2004	
<b>Nickel</b>	EPA 6010B	4F17073	2.0	<b>18</b>	1	6/17/2004	6/19/2004	
Selenium	EPA 6010B	4F17073	2.0	ND	1	6/17/2004	6/19/2004	
Silver	EPA 6010B	4F17073	1.0	ND	1	6/17/2004	6/19/2004	
Thallium	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Vanadium</b>	EPA 6010B	4F17073	1.0	<b>29</b>	1	6/17/2004	6/19/2004	
<b>Zinc</b>	EPA 6010B	4F17073	5.0	<b>95</b>	1	6/17/2004	6/19/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4F17073	20	ND	2	6/17/2004	6/20/2004	RL-1
<b>Arsenic</b>	EPA 6010B	4F17073	4.0	<b>7.2</b>	2	6/17/2004	6/20/2004	
<b>Barium</b>	EPA 6010B	4F17073	2.0	<b>140</b>	2	6/17/2004	6/20/2004	
<b>Beryllium</b>	EPA 6010B	4F17073	1.0	<b>1.1</b>	2	6/17/2004	6/20/2004	
Cadmium	EPA 6010B	4F17073	1.0	ND	2	6/17/2004	6/20/2004	RL-1
<b>Chromium</b>	EPA 6010B	4F17073	2.0	<b>24</b>	2	6/17/2004	6/20/2004	
<b>Cobalt</b>	EPA 6010B	4F17073	2.0	<b>9.3</b>	2	6/17/2004	6/20/2004	
<b>Copper</b>	EPA 6010B	4F17073	4.0	<b>23</b>	2	6/17/2004	6/20/2004	
<b>Lead</b>	EPA 6010B	4F17073	4.0	<b>10</b>	2	6/17/2004	6/20/2004	
<b>Mercury</b>	EPA 7471A	4F21063	0.020	<b>0.026</b>	1	6/21/2004	6/21/2004	
Molybdenum	EPA 6010B	4F17073	4.0	ND	2	6/17/2004	6/20/2004	RL-1
<b>Nickel</b>	EPA 6010B	4F17073	4.0	<b>18</b>	2	6/17/2004	6/20/2004	
Selenium	EPA 6010B	4F17073	4.0	ND	2	6/17/2004	6/20/2004	RL-1
Silver	EPA 6010B	4F17073	2.0	ND	2	6/17/2004	6/20/2004	RL-1
Thallium	EPA 6010B	4F17073	20	ND	2	6/17/2004	6/20/2004	RL-1
<b>Vanadium</b>	EPA 6010B	4F17073	2.0	<b>51</b>	2	6/17/2004	6/20/2004	
<b>Zinc</b>	EPA 6010B	4F17073	10	<b>66</b>	2	6/17/2004	6/20/2004	

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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Arsenic</b>	EPA 6010B	4F17073	2.0	<b>3.9</b>	1	6/17/2004	6/19/2004	
<b>Barium</b>	EPA 6010B	4F17073	1.0	<b>92</b>	1	6/17/2004	6/19/2004	
Beryllium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
Cadmium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
<b>Chromium</b>	EPA 6010B	4F17073	1.0	<b>15</b>	1	6/17/2004	6/19/2004	
<b>Cobalt</b>	EPA 6010B	4F17073	1.0	<b>4.6</b>	1	6/17/2004	6/19/2004	
<b>Copper</b>	EPA 6010B	4F17073	2.0	<b>12</b>	1	6/17/2004	6/19/2004	
<b>Lead</b>	EPA 6010B	4F17073	2.0	<b>9.4</b>	1	6/17/2004	6/19/2004	
<b>Mercury</b>	EPA 7471A	4F21063	0.020	<b>0.17</b>	1	6/21/2004	6/21/2004	
Molybdenum	EPA 6010B	4F17073	2.0	ND	1	6/17/2004	6/19/2004	
<b>Nickel</b>	EPA 6010B	4F17073	2.0	<b>13</b>	1	6/17/2004	6/19/2004	
Selenium	EPA 6010B	4F17073	2.0	ND	1	6/17/2004	6/19/2004	
Silver	EPA 6010B	4F17073	1.0	ND	1	6/17/2004	6/19/2004	
Thallium	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Vanadium</b>	EPA 6010B	4F17073	1.0	<b>28</b>	1	6/17/2004	6/19/2004	
<b>Zinc</b>	EPA 6010B	4F17073	5.0	<b>54</b>	1	6/17/2004	6/19/2004	

### Sample ID: INF0940-10 (PNL-PH1-11 - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Arsenic</b>	EPA 6010B	4F17073	2.0	<b>11</b>	1	6/17/2004	6/19/2004	
<b>Barium</b>	EPA 6010B	4F17073	1.0	<b>350</b>	1	6/17/2004	6/19/2004	
<b>Beryllium</b>	EPA 6010B	4F17073	0.50	<b>0.53</b>	1	6/17/2004	6/19/2004	
Cadmium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
<b>Chromium</b>	EPA 6010B	4F17073	1.0	<b>21</b>	1	6/17/2004	6/19/2004	
<b>Cobalt</b>	EPA 6010B	4F17073	1.0	<b>6.1</b>	1	6/17/2004	6/19/2004	
<b>Copper</b>	EPA 6010B	4F17073	2.0	<b>29</b>	1	6/17/2004	6/19/2004	
<b>Lead</b>	EPA 6010B	4F17073	2.0	<b>12</b>	1	6/17/2004	6/19/2004	
<b>Mercury</b>	EPA 7471A	4F21063	0.020	<b>0.031</b>	1	6/21/2004	6/21/2004	
<b>Molybdenum</b>	EPA 6010B	4F17073	2.0	<b>3.9</b>	1	6/17/2004	6/19/2004	
<b>Nickel</b>	EPA 6010B	4F17073	2.0	<b>34</b>	1	6/17/2004	6/19/2004	
Selenium	EPA 6010B	4F17073	2.0	ND	1	6/17/2004	6/19/2004	
Silver	EPA 6010B	4F17073	1.0	ND	1	6/17/2004	6/19/2004	
Thallium	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Vanadium</b>	EPA 6010B	4F17073	1.0	<b>32</b>	1	6/17/2004	6/19/2004	
<b>Zinc</b>	EPA 6010B	4F17073	5.0	<b>110</b>	1	6/17/2004	6/19/2004	

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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Arsenic</b>	EPA 6010B	4F17073	2.0	<b>6.9</b>	1	6/17/2004	6/19/2004	
<b>Barium</b>	EPA 6010B	4F17073	1.0	<b>160</b>	1	6/17/2004	6/19/2004	
Beryllium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
Cadmium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
<b>Chromium</b>	EPA 6010B	4F17073	1.0	<b>23</b>	1	6/17/2004	6/19/2004	
<b>Cobalt</b>	EPA 6010B	4F17073	1.0	<b>4.9</b>	1	6/17/2004	6/19/2004	
<b>Copper</b>	EPA 6010B	4F17073	2.0	<b>21</b>	1	6/17/2004	6/19/2004	
<b>Lead</b>	EPA 6010B	4F17073	2.0	<b>8.4</b>	1	6/17/2004	6/19/2004	
<b>Mercury</b>	EPA 7471A	4F21063	0.020	<b>0.033</b>	1	6/21/2004	6/21/2004	
<b>Molybdenum</b>	EPA 6010B	4F17073	2.0	<b>2.4</b>	1	6/17/2004	6/19/2004	
<b>Nickel</b>	EPA 6010B	4F17073	2.0	<b>19</b>	1	6/17/2004	6/19/2004	
Selenium	EPA 6010B	4F17073	2.0	ND	1	6/17/2004	6/19/2004	
Silver	EPA 6010B	4F17073	1.0	ND	1	6/17/2004	6/19/2004	
Thallium	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Vanadium</b>	EPA 6010B	4F17073	1.0	<b>28</b>	1	6/17/2004	6/19/2004	
<b>Zinc</b>	EPA 6010B	4F17073	5.0	<b>200</b>	1	6/17/2004	6/19/2004	

### Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Arsenic</b>	EPA 6010B	4F17073	2.0	<b>12</b>	1	6/17/2004	6/19/2004	
<b>Barium</b>	EPA 6010B	4F17073	1.0	<b>220</b>	1	6/17/2004	6/19/2004	
<b>Beryllium</b>	EPA 6010B	4F17073	0.50	<b>0.56</b>	1	6/17/2004	6/19/2004	
Cadmium	EPA 6010B	4F17073	0.50	ND	1	6/17/2004	6/19/2004	
<b>Chromium</b>	EPA 6010B	4F17073	1.0	<b>25</b>	1	6/17/2004	6/19/2004	
<b>Cobalt</b>	EPA 6010B	4F17073	1.0	<b>6.1</b>	1	6/17/2004	6/19/2004	
<b>Copper</b>	EPA 6010B	4F17073	2.0	<b>30</b>	1	6/17/2004	6/19/2004	
<b>Lead</b>	EPA 6010B	4F17073	2.0	<b>9.1</b>	1	6/17/2004	6/19/2004	
<b>Mercury</b>	EPA 7471A	4F22078	0.020	<b>0.023</b>	1	6/22/2004	6/22/2004	
<b>Molybdenum</b>	EPA 6010B	4F17073	2.0	<b>8.5</b>	1	6/17/2004	6/19/2004	
<b>Nickel</b>	EPA 6010B	4F17073	2.0	<b>40</b>	1	6/17/2004	6/19/2004	
Selenium	EPA 6010B	4F17073	2.0	ND	1	6/17/2004	6/19/2004	
Silver	EPA 6010B	4F17073	1.0	ND	1	6/17/2004	6/19/2004	
Thallium	EPA 6010B	4F17073	10	ND	1	6/17/2004	6/19/2004	
<b>Vanadium</b>	EPA 6010B	4F17073	1.0	<b>36</b>	1	6/17/2004	6/19/2004	
<b>Zinc</b>	EPA 6010B	4F17073	5.0	<b>95</b>	1	6/17/2004	6/19/2004	

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 2100 Main Street, Suite 150  
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 Attention: Mike Reardon

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

**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: INF0940-01 (PNL-PB1 - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F21080	50	ND	1	6/21/2004	6/24/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F21080	50	ND	1	6/21/2004	6/24/2004	
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F21080	50	ND	1	6/21/2004	6/24/2004	
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F21080	50	ND	1	6/21/2004	6/24/2004	
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F21080	50	ND	1	6/21/2004	6/24/2004	
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F21080	50	ND	1	6/21/2004	6/24/2004	

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Received: 06/15/04

## INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4F16075	0.20	ND	1	6/16/2004	6/22/2004	
Oil & Grease	EPA 413.2 MOD.	4F17051	750	<b>32000</b>	150	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4F23084	NA	Not Present	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F23042	NA	Not Ignitable	1	6/23/2004	6/23/2004	
Reactivity with water	SW846 7.3.2.1	4F23083	1.0	ND	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-01 (PNL-PB1 - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4F16074	NA	<b>8.57</b>	1	6/16/2004	6/16/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4F16075	0.20	ND	1	6/16/2004	6/22/2004	
Oil & Grease	EPA 413.2 MOD.	4F17051	300	<b>15000</b>	60	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4F23084	NA	Not Present	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F23042	NA	Not Ignitable	1	6/23/2004	6/23/2004	
Reactivity with water	SW846 7.3.2.1	4F23083	1.0	ND	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-06 (PNL-PA1 - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4F16074	NA	<b>8.50</b>	1	6/16/2004	6/16/2004	
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4F16075	0.20	ND	1	6/16/2004	6/22/2004	
Oil & Grease	EPA 413.2 MOD.	4F17051	600	<b>35000</b>	120	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4F23084	NA	Not Present	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F23042	NA	Not Ignitable	1	6/23/2004	6/23/2004	

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## INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
Reporting Units: N/A								
Reactivity with water	SW846 7.3.2.1	4F23083	1.0	ND	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-09 (PNL-PH1-12.5 - Soil)</b>								
Reporting Units: pH Units								
pH	EPA 9045C	4F16074	NA	<b>8.04</b>	1	6/16/2004	6/16/2004	
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4F16075	0.20	ND	1	6/16/2004	6/22/2004	
Oil & Grease	EPA 413.2 MOD.	4F17051	600	<b>16000</b>	120	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4F23084	NA	Not Present	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4F23042	NA	Not Ignitable	1	6/23/2004	6/23/2004	
Reactivity with water	SW846 7.3.2.1	4F23083	1.0	ND	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-10 (PNL-PH1-11 - Soil)</b>								
Reporting Units: pH Units								
pH	EPA 9045C	4F16074	NA	<b>8.56</b>	1	6/16/2004	6/16/2004	
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4F16075	0.20	ND	1	6/16/2004	6/22/2004	
Oil & Grease	EPA 413.2 MOD.	4F17051	300	<b>7900</b>	60	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4F23084	NA	Not Present	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4F23042	NA	Not Ignitable	1	6/23/2004	6/23/2004	
Reactivity with water	SW846 7.3.2.1	4F23083	1.0	ND	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-11 (PNL-PH1-7 - Soil)</b>								
Reporting Units: pH Units								
pH	EPA 9045C	4F16074	NA	<b>8.85</b>	1	6/16/2004	6/16/2004	

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 Attention: Mike Reardon

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
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## INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4F16075	0.20	ND	1	6/16/2004	6/22/2004	
Oil & Grease	EPA 413.2 MOD.	4F17051	750	<b>27000</b>	150	6/17/2004	6/17/2004	
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4F23084	NA	Not Present	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F23042	NA	Not Ignitable	1	6/23/2004	6/23/2004	
Reactivity with water	SW846 7.3.2.1	4F23083	1.0	ND	1	6/23/2004	6/23/2004	
<b>Sample ID: INF0940-12 (PNL-PH1-8.5 - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4F16074	NA	<b>8.78</b>	1	6/16/2004	6/16/2004	

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## SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
<b>Sample ID: PNL-PB1 (INF0940-01) - Soil</b> EPA 9045C	1	06/15/2004 09:05	06/15/2004 17:30	06/16/2004 13:00	06/16/2004 14:00
<b>Sample ID: PNL-PA1 (INF0940-06) - Soil</b> EPA 9045C	1	06/15/2004 10:52	06/15/2004 17:30	06/16/2004 13:00	06/16/2004 14:00
<b>Sample ID: PNL-PH1-12.5 (INF0940-09) - Soil</b> EPA 9045C	1	06/15/2004 12:55	06/15/2004 17:30	06/16/2004 13:00	06/16/2004 14:00
<b>Sample ID: PNL-PH1-11 (INF0940-10) - Soil</b> EPA 9045C	1	06/15/2004 12:50	06/15/2004 17:30	06/16/2004 13:00	06/16/2004 14:00
<b>Sample ID: PNL-PH1-7 (INF0940-11) - Soil</b> EPA 9045C	1	06/15/2004 12:30	06/15/2004 17:30	06/16/2004 13:00	06/16/2004 14:00
<b>Sample ID: PNL-PH1-8.5 (INF0940-12) - Soil</b> EPA 9045C	1	06/15/2004 12:40	06/15/2004 17:30	06/16/2004 13:00	06/16/2004 14:00

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Report Number: INF0940

Sampled: 06/15/04

Received: 06/15/04

## 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: 4F17052 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/17/04 (4F17052-BLK1)</b>										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
<b>LCS Analyzed: 06/17/04 (4F17052-BS1)</b>										
Total Recoverable Hydrocarbons	17.0	5.0	mg/kg	20.0		85	55-130			
<b>Matrix Spike Analyzed: 06/17/04 (4F17052-MS1)</b>										
Total Recoverable Hydrocarbons	693	5.0	mg/kg	20.0	11000	-51500	35-130			M-HA
<b>Matrix Spike Dup Analyzed: 06/17/04 (4F17052-MSD1)</b>										
Total Recoverable Hydrocarbons	1660	5.0	mg/kg	20.0	11000	-46700	35-130	82	25	M-HA, R-3

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F16064 Extracted: 06/16/04</b>										
<b>Blank Analyzed: 06/19/04 (4F16064-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	4.27		mg/kg	6.67		64	50-125			
<b>LCS Analyzed: 06/19/04 (4F16064-BS1)</b>										
EFH (C6 - C40)	22.5	5.0	mg/kg	33.3		68	45-115			
Surrogate: n-Octacosane	5.10		mg/kg	6.67		76	50-125			
<b>Matrix Spike Analyzed: 06/19/04 (4F16064-MS1) Source: INF0837-08</b>										
EFH (C6 - C40)	20.5	5.0	mg/kg	33.3	1.8	56	35-115			
Surrogate: n-Octacosane	4.91		mg/kg	6.67		74	50-125			
<b>Matrix Spike Dup Analyzed: 06/19/04 (4F16064-MSD1) Source: INF0837-08</b>										
EFH (C6 - C40)	20.6	5.0	mg/kg	33.3	1.8	56	35-115	1	30	
Surrogate: n-Octacosane	4.76		mg/kg	6.67		71	50-125			
<b>Batch: 4F17034 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/18/04 (4F17034-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	5.21		mg/kg	6.67		78	50-125			
<b>LCS Analyzed: 06/18/04 (4F17034-BS1)</b>										
EFH (C6 - C40)	25.7	5.0	mg/kg	33.3		77	45-115			
Surrogate: n-Octacosane	5.38		mg/kg	6.67		81	50-125			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17034 Extracted: 06/17/04</b>										
<b>Matrix Spike Analyzed: 06/18/04 (4F17034-MS1)</b>					<b>Source: INF0941-01</b>					
EFH (C6 - C40)	26.8	5.0	mg/kg	33.3	2.9	72	35-115			
Surrogate: n-Octacosane	5.45		mg/kg	6.67		82	50-125			
<b>Matrix Spike Dup Analyzed: 06/18/04 (4F17034-MSD1)</b>					<b>Source: INF0941-01</b>					
EFH (C6 - C40)	28.6	5.0	mg/kg	33.3	2.9	77	35-115	6	30	
Surrogate: n-Octacosane	5.66		mg/kg	6.67		85	50-125			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17012 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/17/04 (4F17012-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							

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17012 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/17/04 (4F17012-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	2690		ug/kg	2500		108	50-160			
Surrogate: Toluene-d8	2600		ug/kg	2500		104	60-160			
Surrogate: 4-Bromofluorobenzene	2540		ug/kg	2500		102	60-150			

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 Received: 06/15/04

## 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: 4F17012 Extracted: 06/17/04</b>										
<b>LCS Analyzed: 06/17/04 (4F17012-BS1)</b>										
Benzene	2450	100	ug/kg	2500		98	75-125			
Bromobenzene	2370	250	ug/kg	2500		95	80-120			
Bromochloromethane	2660	250	ug/kg	2500		106	65-140			
Bromodichloromethane	2630	100	ug/kg	2500		105	70-140			
Bromoform	2270	250	ug/kg	2500		91	60-130			
Bromomethane	2020	250	ug/kg	2500		81	35-140			
n-Butylbenzene	2500	250	ug/kg	2500		100	80-130			
sec-Butylbenzene	2370	250	ug/kg	2500		95	75-125			
tert-Butylbenzene	2390	250	ug/kg	2500		96	80-125			
Carbon tetrachloride	2690	250	ug/kg	2500		108	70-140			
Chlorobenzene	2460	100	ug/kg	2500		98	80-125			
Chloroethane	1960	250	ug/kg	2500		78	40-145			
Chloroform	2480	100	ug/kg	2500		99	75-130			
Chloromethane	1580	250	ug/kg	2500		63	30-145			
2-Chlorotoluene	2340	250	ug/kg	2500		94	75-125			
4-Chlorotoluene	2380	250	ug/kg	2500		95	80-125			
Dibromochloromethane	2630	100	ug/kg	2500		105	65-145			
1,2-Dibromo-3-chloropropane	2260	250	ug/kg	2500		90	45-135			
1,2-Dibromoethane (EDB)	2460	100	ug/kg	2500		98	75-130			
Dibromomethane	2510	100	ug/kg	2500		100	75-135			
1,2-Dichlorobenzene	2430	100	ug/kg	2500		97	80-120			
1,3-Dichlorobenzene	2350	100	ug/kg	2500		94	80-120			
1,4-Dichlorobenzene	2420	100	ug/kg	2500		97	80-120			
Dichlorodifluoromethane	1180	250	ug/kg	2500		47	10-160			
1,1-Dichloroethane	2540	100	ug/kg	2500		102	70-135			
1,2-Dichloroethane	2570	100	ug/kg	2500		103	60-150			
1,1-Dichloroethene	2540	250	ug/kg	2500		102	80-145			
cis-1,2-Dichloroethene	2510	100	ug/kg	2500		100	70-135			
trans-1,2-Dichloroethene	2580	100	ug/kg	2500		103	70-135			
1,2-Dichloropropane	2410	100	ug/kg	2500		96	75-125			
1,3-Dichloropropane	2460	100	ug/kg	2500		98	75-130			
2,2-Dichloropropane	3150	100	ug/kg	2500		126	70-150			
1,1-Dichloropropene	2480	100	ug/kg	2500		99	75-130			
cis-1,3-Dichloropropene	2460	100	ug/kg	2500		98	75-130			
trans-1,3-Dichloropropene	2480	100	ug/kg	2500		99	75-135			

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



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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## 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: 4F17012 Extracted: 06/17/04</b>										
<b>LCS Analyzed: 06/17/04 (4F17012-BS1)</b>										
Ethylbenzene	2490	100	ug/kg	2500		100	80-120			
Hexachlorobutadiene	2470	250	ug/kg	2500		99	75-140			
Isopropylbenzene	2350	100	ug/kg	2500		94	75-125			
p-Isopropyltoluene	2350	100	ug/kg	2500		94	80-125			
Methylene chloride	2460	1000	ug/kg	2500		98	60-145			
Naphthalene	2370	250	ug/kg	2500		95	50-145			
n-Propylbenzene	2390	100	ug/kg	2500		96	75-130			
Styrene	2580	100	ug/kg	2500		103	80-135			
1,1,1,2-Tetrachloroethane	2620	250	ug/kg	2500		105	70-145			
1,1,2,2-Tetrachloroethane	2270	100	ug/kg	2500		91	60-135			
Tetrachloroethene	2510	100	ug/kg	2500		100	80-125			
Toluene	2430	100	ug/kg	2500		97	80-125			
1,2,3-Trichlorobenzene	2510	250	ug/kg	2500		100	65-135			
1,2,4-Trichlorobenzene	2540	250	ug/kg	2500		102	70-140			
1,1,1-Trichloroethane	2600	100	ug/kg	2500		104	75-140			
1,1,2-Trichloroethane	2370	100	ug/kg	2500		95	70-130			
Trichloroethene	2460	100	ug/kg	2500		98	80-130			
Trichlorofluoromethane	2360	250	ug/kg	2500		94	55-145			
1,2,3-Trichloropropane	2190	500	ug/kg	2500		88	60-130			
1,2,4-Trimethylbenzene	2400	100	ug/kg	2500		96	80-125			
1,3,5-Trimethylbenzene	2420	100	ug/kg	2500		97	80-125			
Vinyl chloride	643	250	ug/kg	2500		26	10-120			
o-Xylene	2400	100	ug/kg	2500		96	80-125			
m,p-Xylenes	4880	100	ug/kg	5000		98	80-120			
Surrogate: Dibromofluoromethane	5150		ug/kg	5000		103	50-160			
Surrogate: Toluene-d8	4860		ug/kg	5000		97	60-160			
Surrogate: 4-Bromofluorobenzene	4940		ug/kg	5000		99	60-150			

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



Geosyntec Consultants/Project Navigator - Ascon  
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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17012 Extracted: 06/17/04</b>										
<b>LCS Dup Analyzed: 06/18/04 (4F17012-BSD1)</b>										
Benzene	2700	100	ug/kg	2500		108	75-125	10	20	
Bromobenzene	2530	250	ug/kg	2500		101	80-120	7	20	
Bromochloromethane	2890	250	ug/kg	2500		116	65-140	8	20	
Bromodichloromethane	2960	100	ug/kg	2500		118	70-140	12	20	
Bromoform	2370	250	ug/kg	2500		95	60-130	4	25	
Bromomethane	2160	250	ug/kg	2500		86	35-140	7	30	
n-Butylbenzene	2700	250	ug/kg	2500		108	80-130	8	20	
sec-Butylbenzene	2590	250	ug/kg	2500		104	75-125	9	20	
tert-Butylbenzene	2590	250	ug/kg	2500		104	80-125	8	20	
Carbon tetrachloride	2980	250	ug/kg	2500		119	70-140	10	20	
Chlorobenzene	2670	100	ug/kg	2500		107	80-125	8	20	
Chloroethane	2110	250	ug/kg	2500		84	40-145	7	25	
Chloroform	2690	100	ug/kg	2500		108	75-130	8	20	
Chloromethane	1630	250	ug/kg	2500		65	30-145	3	25	
2-Chlorotoluene	2510	250	ug/kg	2500		100	75-125	7	20	
4-Chlorotoluene	2590	250	ug/kg	2500		104	80-125	8	20	
Dibromochloromethane	2790	100	ug/kg	2500		112	65-145	6	20	
1,2-Dibromo-3-chloropropane	2260	250	ug/kg	2500		90	45-135	0	25	
1,2-Dibromoethane (EDB)	2630	100	ug/kg	2500		105	75-130	7	20	
Dibromomethane	2740	100	ug/kg	2500		110	75-135	9	20	
1,2-Dichlorobenzene	2610	100	ug/kg	2500		104	80-120	7	20	
1,3-Dichlorobenzene	2570	100	ug/kg	2500		103	80-120	9	20	
1,4-Dichlorobenzene	2600	100	ug/kg	2500		104	80-120	7	20	
Dichlorodifluoromethane	1170	250	ug/kg	2500		47	10-160	1	30	
1,1-Dichloroethane	2760	100	ug/kg	2500		110	70-135	8	20	
1,2-Dichloroethane	2830	100	ug/kg	2500		113	60-150	10	25	
1,1-Dichloroethene	2600	250	ug/kg	2500		104	80-145	2	20	
cis-1,2-Dichloroethene	2720	100	ug/kg	2500		109	70-135	8	20	
trans-1,2-Dichloroethene	2730	100	ug/kg	2500		109	70-135	6	20	
1,2-Dichloropropane	2680	100	ug/kg	2500		107	75-125	11	20	
1,3-Dichloropropane	2600	100	ug/kg	2500		104	75-130	6	20	
2,2-Dichloropropane	3500	100	ug/kg	2500		140	70-150	11	20	
1,1-Dichloropropene	2720	100	ug/kg	2500		109	75-130	9	20	
cis-1,3-Dichloropropene	2730	100	ug/kg	2500		109	75-130	10	20	
trans-1,3-Dichloropropene	2720	100	ug/kg	2500		109	75-135	9	20	

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



Geosyntec Consultants/Project Navigator - Ascon  
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 Attention: Mike Reardon

Project ID: S130202131

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 Received: 06/15/04

## 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: 4F17012 Extracted: 06/17/04</b>										
<b>LCS Dup Analyzed: 06/18/04 (4F17012-BSD1)</b>										
Ethylbenzene	2730	100	ug/kg	2500		109	80-120	9	20	
Hexachlorobutadiene	2670	250	ug/kg	2500		107	75-140	8	20	
Isopropylbenzene	2530	100	ug/kg	2500		101	75-125	7	20	
p-Isopropyltoluene	2550	100	ug/kg	2500		102	80-125	8	20	
Methylene chloride	2560	1000	ug/kg	2500		102	60-145	4	20	
Naphthalene	2450	250	ug/kg	2500		98	50-145	3	25	
n-Propylbenzene	2600	100	ug/kg	2500		104	75-130	8	20	
Styrene	2780	100	ug/kg	2500		111	80-135	7	20	
1,1,1,2-Tetrachloroethane	2890	250	ug/kg	2500		116	70-145	10	20	
1,1,2,2-Tetrachloroethane	2330	100	ug/kg	2500		93	60-135	3	25	
Tetrachloroethene	2710	100	ug/kg	2500		108	80-125	8	20	
Toluene	2700	100	ug/kg	2500		108	80-125	11	20	
1,2,3-Trichlorobenzene	2670	250	ug/kg	2500		107	65-135	6	20	
1,2,4-Trichlorobenzene	2720	250	ug/kg	2500		109	70-140	7	20	
1,1,1-Trichloroethane	2900	100	ug/kg	2500		116	75-140	11	20	
1,1,2-Trichloroethane	2600	100	ug/kg	2500		104	70-130	9	20	
Trichloroethene	2700	100	ug/kg	2500		108	80-130	9	20	
Trichlorofluoromethane	2540	250	ug/kg	2500		102	55-145	7	25	
1,2,3-Trichloropropane	2260	500	ug/kg	2500		90	60-130	3	20	
1,2,4-Trimethylbenzene	2720	100	ug/kg	2500		109	80-125	12	20	
1,3,5-Trimethylbenzene	2640	100	ug/kg	2500		106	80-125	9	20	
Vinyl chloride	707	250	ug/kg	2500		28	10-120	9	30	
o-Xylene	2630	100	ug/kg	2500		105	80-125	9	20	
m,p-Xylenes	5380	100	ug/kg	5000		108	80-120	10	20	
Surrogate: Dibromofluoromethane	5630		ug/kg	5000		113	50-160			
Surrogate: Toluene-d8	5420		ug/kg	5000		108	60-160			
Surrogate: 4-Bromofluorobenzene	5290		ug/kg	5000		106	60-150			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17012 Extracted: 06/17/04</b>										
<b>Matrix Spike Analyzed: 06/18/04 (4F17012-MS1)</b>					<b>Source: INF0986-14</b>					
Benzene	2840	100	ug/kg	2500	350	100	60-140			
Bromobenzene	2500	250	ug/kg	2500	ND	100	65-130			
Bromochloromethane	2690	250	ug/kg	2500	ND	108	60-145			
Bromodichloromethane	2830	100	ug/kg	2500	ND	113	65-150			
Bromoform	2540	250	ug/kg	2500	ND	102	55-150			
Bromomethane	1900	250	ug/kg	2500	ND	76	30-160			
n-Butylbenzene	3760	250	ug/kg	2500	ND	150	60-150			
sec-Butylbenzene	2790	250	ug/kg	2500	93	108	65-145			
tert-Butylbenzene	2590	250	ug/kg	2500	ND	104	60-150			
Carbon tetrachloride	2800	250	ug/kg	2500	ND	112	70-140			
Chlorobenzene	2740	100	ug/kg	2500	ND	110	70-140			
Chloroethane	1970	250	ug/kg	2500	ND	79	30-170			
Chloroform	2580	100	ug/kg	2500	ND	103	60-140			
Chloromethane	1410	250	ug/kg	2500	ND	56	30-160			
2-Chlorotoluene	3670	250	ug/kg	2500	ND	147	60-140			MI
4-Chlorotoluene	3110	250	ug/kg	2500	ND	124	70-135			
Dibromochloromethane	2770	100	ug/kg	2500	ND	111	60-150			
1,2-Dibromo-3-chloropropane	3370	250	ug/kg	2500	ND	135	40-150			
1,2-Dibromoethane (EDB)	2670	100	ug/kg	2500	ND	107	65-140			
Dibromomethane	2640	100	ug/kg	2500	ND	106	65-140			
1,2-Dichlorobenzene	2370	100	ug/kg	2500	ND	95	70-130			
1,3-Dichlorobenzene	2520	100	ug/kg	2500	ND	101	60-155			
1,4-Dichlorobenzene	2560	100	ug/kg	2500	ND	102	55-150			
Dichlorodifluoromethane	713	250	ug/kg	2500	ND	29	10-160			
1,1-Dichloroethane	2630	100	ug/kg	2500	ND	105	60-155			
1,2-Dichloroethane	2670	100	ug/kg	2500	ND	107	55-150			
1,1-Dichloroethene	2430	250	ug/kg	2500	ND	97	60-165			
cis-1,2-Dichloroethene	2620	100	ug/kg	2500	ND	105	60-135			
trans-1,2-Dichloroethene	2620	100	ug/kg	2500	ND	105	50-155			
1,2-Dichloropropane	2660	100	ug/kg	2500	ND	106	65-135			
1,3-Dichloropropane	2570	100	ug/kg	2500	ND	103	65-135			
2,2-Dichloropropane	3160	100	ug/kg	2500	ND	126	60-150			
1,1-Dichloropropene	2660	100	ug/kg	2500	ND	106	60-140			
cis-1,3-Dichloropropene	2620	100	ug/kg	2500	ND	105	60-135			
trans-1,3-Dichloropropene	2630	100	ug/kg	2500	ND	105	55-155			

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



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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
<b>Batch: 4F17012 Extracted: 06/17/04</b>									
<b>Matrix Spike Analyzed: 06/18/04 (4F17012-MS1)</b>					<b>Source: INF0986-14</b>				
Ethylbenzene	5730	100	ug/kg	2500	1800	157	60-140		MI
Hexachlorobutadiene	2410	250	ug/kg	2500	ND	96	65-145		
Isopropylbenzene	3040	100	ug/kg	2500	260	111	60-140		
p-Isopropyltoluene	2690	100	ug/kg	2500	75	105	60-145		
Methylene chloride	2410	1000	ug/kg	2500	ND	96	50-155		
Naphthalene	4860	250	ug/kg	2500	1800	122	30-165		
n-Propylbenzene	4100	100	ug/kg	2500	680	137	60-145		
Styrene	2870	100	ug/kg	2500	ND	115	60-145		
1,1,1,2-Tetrachloroethane	2880	250	ug/kg	2500	ND	115	65-145		
1,1,2,2-Tetrachloroethane	1920	100	ug/kg	2500	ND	77	60-150		
Tetrachloroethene	2770	100	ug/kg	2500	ND	111	65-145		
Toluene	6100	100	ug/kg	2500	3000	124	60-145		
1,2,3-Trichlorobenzene	2410	250	ug/kg	2500	ND	96	45-145		
1,2,4-Trichlorobenzene	2520	250	ug/kg	2500	ND	101	60-140		
1,1,1-Trichloroethane	2700	100	ug/kg	2500	ND	108	65-140		
1,1,2-Trichloroethane	2700	100	ug/kg	2500	ND	108	60-140		
Trichloroethene	2970	100	ug/kg	2500	ND	119	70-150		
Trichlorofluoromethane	2170	250	ug/kg	2500	ND	87	35-165		
1,2,3-Trichloropropane	2260	500	ug/kg	2500	ND	90	50-150		
1,2,4-Trimethylbenzene	15400	100	ug/kg	2500	7900	300	70-135		MI
1,3,5-Trimethylbenzene	8140	100	ug/kg	2500	3000	206	70-135		MI
Vinyl chloride	604	250	ug/kg	2500	ND	24	10-120		
o-Xylene	8810	100	ug/kg	2500	3500	212	60-145		MI
m,p-Xylenes	18900	100	ug/kg	5000	7700	224	60-140		MI
Surrogate: Dibromofluoromethane	1990		ug/kg	2500		80	50-160		
Surrogate: Toluene-d8	2120		ug/kg	2500		85	60-160		
Surrogate: 4-Bromofluorobenzene	2170		ug/kg	2500		87	60-150		

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





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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17012 Extracted: 06/17/04</b>										
<b>Matrix Spike Dup Analyzed: 06/18/04 (4F17012-MSD1)</b>					<b>Source: INF0986-14</b>					
Benzene	3310	100	ug/kg	2500	350	118	60-140	15	25	
Bromobenzene	2850	250	ug/kg	2500	ND	114	65-130	13	25	
Bromochloromethane	3050	250	ug/kg	2500	ND	122	60-145	13	25	
Bromodichloromethane	3280	100	ug/kg	2500	ND	131	65-150	15	25	
Bromoform	2850	250	ug/kg	2500	ND	114	55-150	12	30	
Bromomethane	1880	250	ug/kg	2500	ND	75	30-160	1	30	
n-Butylbenzene	3680	250	ug/kg	2500	ND	147	60-150	2	25	
sec-Butylbenzene	3100	250	ug/kg	2500	93	120	65-145	11	25	
tert-Butylbenzene	3020	250	ug/kg	2500	ND	121	60-150	15	20	
Carbon tetrachloride	3210	250	ug/kg	2500	ND	128	70-140	14	20	
Chlorobenzene	2980	100	ug/kg	2500	ND	119	70-140	8	25	
Chloroethane	1990	250	ug/kg	2500	ND	80	30-170	1	35	
Chloroform	2950	100	ug/kg	2500	ND	118	60-140	13	25	
Chloromethane	1250	250	ug/kg	2500	ND	50	30-160	12	30	
2-Chlorotoluene	3420	250	ug/kg	2500	ND	137	60-140	7	25	
4-Chlorotoluene	3180	250	ug/kg	2500	ND	127	70-135	2	20	
Dibromochloromethane	3230	100	ug/kg	2500	ND	129	60-150	15	25	
1,2-Dibromo-3-chloropropane	3540	250	ug/kg	2500	ND	142	40-150	5	30	
1,2-Dibromoethane (EDB)	2960	100	ug/kg	2500	ND	118	65-140	10	25	
Dibromomethane	2950	100	ug/kg	2500	ND	118	65-140	11	20	
1,2-Dichlorobenzene	2850	100	ug/kg	2500	ND	114	70-130	18	20	
1,3-Dichlorobenzene	2890	100	ug/kg	2500	ND	116	60-155	14	25	
1,4-Dichlorobenzene	2900	100	ug/kg	2500	ND	116	55-150	12	25	
Dichlorodifluoromethane	502	250	ug/kg	2500	ND	20	10-160	35	35	
1,1-Dichloroethane	2930	100	ug/kg	2500	ND	117	60-155	11	25	
1,2-Dichloroethane	3040	100	ug/kg	2500	ND	122	55-150	13	30	
1,1-Dichloroethene	2600	250	ug/kg	2500	ND	104	60-165	7	25	
cis-1,2-Dichloroethene	2840	100	ug/kg	2500	ND	114	60-135	8	25	
trans-1,2-Dichloroethene	2790	100	ug/kg	2500	ND	112	50-155	6	25	
1,2-Dichloropropane	2940	100	ug/kg	2500	ND	118	65-135	10	20	
1,3-Dichloropropane	2900	100	ug/kg	2500	ND	116	65-135	12	20	
2,2-Dichloropropane	3770	100	ug/kg	2500	ND	151	60-150	18	20	MI
1,1-Dichloropropene	2900	100	ug/kg	2500	ND	116	60-140	9	20	
cis-1,3-Dichloropropene	2900	100	ug/kg	2500	ND	116	60-135	10	25	
trans-1,3-Dichloropropene	2940	100	ug/kg	2500	ND	118	55-155	11	25	

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



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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## 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: 4F17012 Extracted: 06/17/04</b>										
<b>Matrix Spike Dup Analyzed: 06/18/04 (4F17012-MSD1)</b>					<b>Source: INF0986-14</b>					
Ethylbenzene	5000	100	ug/kg	2500	1800	128	60-140	14	25	
Hexachlorobutadiene	3020	250	ug/kg	2500	ND	121	65-145	22	25	
Isopropylbenzene	3230	100	ug/kg	2500	260	119	60-140	6	25	
p-Isopropyltoluene	3020	100	ug/kg	2500	75	118	60-145	12	25	
Methylene chloride	2660	1000	ug/kg	2500	ND	106	50-155	10	25	
Naphthalene	4780	250	ug/kg	2500	1800	119	30-165	2	30	
n-Propylbenzene	3740	100	ug/kg	2500	680	122	60-145	9	25	
Styrene	3080	100	ug/kg	2500	ND	123	60-145	7	20	
1,1,1,2-Tetrachloroethane	3310	250	ug/kg	2500	ND	132	65-145	14	20	
1,1,2,2-Tetrachloroethane	2550	100	ug/kg	2500	ND	102	60-150	28	20	R
Tetrachloroethene	3060	100	ug/kg	2500	ND	122	65-145	10	25	
Toluene	5470	100	ug/kg	2500	3000	99	60-145	11	25	
1,2,3-Trichlorobenzene	3050	250	ug/kg	2500	ND	122	45-145	23	30	
1,2,4-Trichlorobenzene	3080	250	ug/kg	2500	ND	123	60-140	20	25	
1,1,1-Trichloroethane	3130	100	ug/kg	2500	ND	125	65-140	15	25	
1,1,2-Trichloroethane	2920	100	ug/kg	2500	ND	117	60-140	8	20	
Trichloroethene	3030	100	ug/kg	2500	ND	121	70-150	2	25	
Trichlorofluoromethane	2290	250	ug/kg	2500	ND	92	35-165	5	30	
1,2,3-Trichloropropane	2590	500	ug/kg	2500	ND	104	50-150	14	20	
1,2,4-Trimethylbenzene	10800	100	ug/kg	2500	7900	116	70-135	35	20	R-3
1,3,5-Trimethylbenzene	5990	100	ug/kg	2500	3000	120	70-135	30	25	R-3
Vinyl chloride	688	250	ug/kg	2500	ND	28	10-120	13	35	
o-Xylene	6250	100	ug/kg	2500	3500	110	60-145	34	25	R-3
m,p-Xylenes	12800	100	ug/kg	5000	7700	102	60-140	38	25	R-3
Surrogate: Dibromofluoromethane	2230		ug/kg	2500		89	50-160			
Surrogate: Toluene-d8	2210		ug/kg	2500		88	60-160			
Surrogate: 4-Bromofluorobenzene	2250		ug/kg	2500		90	60-150			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>Blank Analyzed: 06/19/04 (4F19012-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 For Amanda Cordova  
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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>Blank Analyzed: 06/19/04 (4F19012-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	52.4		ug/kg	50.0		105	80-125			
Surrogate: Toluene-d8	51.1		ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	52.4		ug/kg	50.0		105	80-120			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>LCS Analyzed: 06/19/04 (4F19012-BS1)</b>										
Benzene	54.4	2.0	ug/kg	50.0		109	70-120			
Bromobenzene	49.2	5.0	ug/kg	50.0		98	80-120			
Bromochloromethane	56.5	5.0	ug/kg	50.0		113	65-135			
Bromodichloromethane	55.6	2.0	ug/kg	50.0		111	70-140			
Bromoform	49.2	5.0	ug/kg	50.0		98	60-140			
Bromomethane	61.9	5.0	ug/kg	50.0		124	60-140			
n-Butylbenzene	54.7	5.0	ug/kg	50.0		109	75-130			
sec-Butylbenzene	53.5	5.0	ug/kg	50.0		107	75-125			
tert-Butylbenzene	52.1	5.0	ug/kg	50.0		104	80-125			
Carbon tetrachloride	60.1	5.0	ug/kg	50.0		120	70-140			
Chlorobenzene	55.1	2.0	ug/kg	50.0		110	80-125			
Chloroethane	60.2	5.0	ug/kg	50.0		120	55-145			
Chloroform	57.5	2.0	ug/kg	50.0		115	75-120			
Chloromethane	56.6	5.0	ug/kg	50.0		113	35-145			
2-Chlorotoluene	51.4	5.0	ug/kg	50.0		103	75-125			
4-Chlorotoluene	52.2	5.0	ug/kg	50.0		104	80-125			
Dibromochloromethane	57.0	2.0	ug/kg	50.0		114	65-145			
1,2-Dibromo-3-chloropropane	49.8	5.0	ug/kg	50.0		100	50-150			
1,2-Dibromoethane (EDB)	53.2	2.0	ug/kg	50.0		106	70-130			
Dibromomethane	51.9	2.0	ug/kg	50.0		104	70-130			
1,2-Dichlorobenzene	50.6	2.0	ug/kg	50.0		101	80-125			
1,3-Dichlorobenzene	49.8	2.0	ug/kg	50.0		100	80-120			
1,4-Dichlorobenzene	50.4	2.0	ug/kg	50.0		101	80-120			
Dichlorodifluoromethane	61.3	5.0	ug/kg	50.0		123	10-160			
1,1-Dichloroethane	58.8	2.0	ug/kg	50.0		118	70-135			
1,2-Dichloroethane	56.1	2.0	ug/kg	50.0		112	60-150			
1,1-Dichloroethene	58.1	5.0	ug/kg	50.0		116	75-130			
cis-1,2-Dichloroethene	56.1	2.0	ug/kg	50.0		112	70-125			
trans-1,2-Dichloroethene	57.8	2.0	ug/kg	50.0		116	70-130			
1,2-Dichloropropane	54.0	2.0	ug/kg	50.0		108	70-120			
1,3-Dichloropropane	55.3	2.0	ug/kg	50.0		111	70-130			
2,2-Dichloropropane	66.5	2.0	ug/kg	50.0		133	70-150			
1,1-Dichloropropene	55.2	2.0	ug/kg	50.0		110	75-130			
cis-1,3-Dichloropropene	53.0	2.0	ug/kg	50.0		106	75-130			
trans-1,3-Dichloropropene	53.0	2.0	ug/kg	50.0		106	70-135			

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



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Project ID: S130202131

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>LCS Analyzed: 06/19/04 (4F19012-BS1)</b>										
Ethylbenzene	56.9	2.0	ug/kg	50.0		114	75-125			
Hexachlorobutadiene	49.5	5.0	ug/kg	50.0		99	75-140			
Isopropylbenzene	52.2	2.0	ug/kg	50.0		104	75-125			
p-Isopropyltoluene	51.7	2.0	ug/kg	50.0		103	75-125			
Methylene chloride	57.4	20	ug/kg	50.0		115	60-135			
Naphthalene	44.9	5.0	ug/kg	50.0		90	50-145			
n-Propylbenzene	54.2	2.0	ug/kg	50.0		108	75-130			
Styrene	56.5	2.0	ug/kg	50.0		113	80-135			
1,1,1,2-Tetrachloroethane	56.5	5.0	ug/kg	50.0		113	70-145			
1,1,2,2-Tetrachloroethane	50.0	2.0	ug/kg	50.0		100	55-145			
Tetrachloroethene	56.1	2.0	ug/kg	50.0		112	80-125			
Toluene	54.0	2.0	ug/kg	50.0		108	75-120			
1,2,3-Trichlorobenzene	46.5	5.0	ug/kg	50.0		93	65-135			
1,2,4-Trichlorobenzene	47.9	5.0	ug/kg	50.0		96	70-140			
1,1,1-Trichloroethane	60.3	2.0	ug/kg	50.0		121	75-140			
1,1,2-Trichloroethane	50.9	2.0	ug/kg	50.0		102	65-130			
Trichloroethene	51.6	2.0	ug/kg	50.0		103	75-125			
Trichlorofluoromethane	62.2	5.0	ug/kg	50.0		124	50-145			
1,2,3-Trichloropropane	48.7	10	ug/kg	50.0		97	55-140			
1,2,4-Trimethylbenzene	52.4	2.0	ug/kg	50.0		105	75-125			
1,3,5-Trimethylbenzene	53.2	2.0	ug/kg	50.0		106	80-125			
Vinyl chloride	60.6	5.0	ug/kg	50.0		121	45-130			
o-Xylene	56.2	2.0	ug/kg	50.0		112	75-125			
m,p-Xylenes	114	2.0	ug/kg	100		114	75-125			
Surrogate: Dibromofluoromethane	54.6		ug/kg	50.0		109	80-125			
Surrogate: Toluene-d8	51.6		ug/kg	50.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	55.3		ug/kg	50.0		111	80-120			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>Matrix Spike Analyzed: 06/19/04 (4F19012-MS1)</b>					<b>Source: INF1164-01</b>					
Benzene	52.7	2.0	ug/kg	50.0	ND	105	65-130			
Bromobenzene	49.7	5.0	ug/kg	50.0	ND	99	70-130			
Bromochloromethane	50.1	5.0	ug/kg	50.0	ND	100	60-145			
Bromodichloromethane	49.8	2.0	ug/kg	50.0	ND	100	70-145			
Bromoform	37.9	5.0	ug/kg	50.0	ND	76	60-145			
Bromomethane	62.0	5.0	ug/kg	50.0	ND	124	50-150			
n-Butylbenzene	52.2	5.0	ug/kg	50.0	ND	104	60-140			
sec-Butylbenzene	52.8	5.0	ug/kg	50.0	ND	106	65-135			
tert-Butylbenzene	53.6	5.0	ug/kg	50.0	ND	107	70-130			
Carbon tetrachloride	56.3	5.0	ug/kg	50.0	ND	113	70-140			
Chlorobenzene	51.8	2.0	ug/kg	50.0	ND	104	80-130			
Chloroethane	59.6	5.0	ug/kg	50.0	ND	119	50-150			
Chloroform	54.8	2.0	ug/kg	50.0	ND	110	70-130			
Chloromethane	55.8	5.0	ug/kg	50.0	ND	112	30-150			
2-Chlorotoluene	54.0	5.0	ug/kg	50.0	ND	108	70-130			
4-Chlorotoluene	54.1	5.0	ug/kg	50.0	ND	108	65-135			
Dibromochloromethane	47.8	2.0	ug/kg	50.0	ND	96	65-145			
1,2-Dibromo-3-chloropropane	38.6	5.0	ug/kg	50.0	ND	77	50-150			
1,2-Dibromoethane (EDB)	44.3	2.0	ug/kg	50.0	ND	89	65-135			
Dibromomethane	43.3	2.0	ug/kg	50.0	ND	87	65-135			
1,2-Dichlorobenzene	46.7	2.0	ug/kg	50.0	ND	93	75-130			
1,3-Dichlorobenzene	49.1	2.0	ug/kg	50.0	ND	98	70-125			
1,4-Dichlorobenzene	49.4	2.0	ug/kg	50.0	ND	99	75-130			
Dichlorodifluoromethane	58.3	5.0	ug/kg	50.0	ND	117	10-200			
1,1-Dichloroethane	57.2	2.0	ug/kg	50.0	ND	114	70-135			
1,2-Dichloroethane	47.5	2.0	ug/kg	50.0	ND	95	60-150			
1,1-Dichloroethene	54.9	5.0	ug/kg	50.0	ND	110	75-140			
cis-1,2-Dichloroethene	53.1	2.0	ug/kg	50.0	ND	106	60-135			
trans-1,2-Dichloroethene	56.0	2.0	ug/kg	50.0	ND	112	65-135			
1,2-Dichloropropane	49.9	2.0	ug/kg	50.0	ND	100	65-125			
1,3-Dichloropropane	47.2	2.0	ug/kg	50.0	ND	94	65-135			
2,2-Dichloropropane	70.7	2.0	ug/kg	50.0	ND	141	60-150			
1,1-Dichloropropene	52.9	2.0	ug/kg	50.0	ND	106	60-140			
cis-1,3-Dichloropropene	46.6	2.0	ug/kg	50.0	ND	93	65-135			
trans-1,3-Dichloropropene	43.8	2.0	ug/kg	50.0	ND	88	65-140			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>Matrix Spike Analyzed: 06/19/04 (4F19012-MS1)</b>					<b>Source: INF1164-01</b>					
Ethylbenzene	53.6	2.0	ug/kg	50.0	ND	107	70-130			
Hexachlorobutadiene	36.2	5.0	ug/kg	50.0	ND	72	65-145			
Isopropylbenzene	56.2	2.0	ug/kg	50.0	ND	112	60-135			
p-Isopropyltoluene	51.5	2.0	ug/kg	50.0	ND	103	60-135			
Methylene chloride	52.4	20	ug/kg	50.0	ND	105	60-145			
Naphthalene	33.1	5.0	ug/kg	50.0	ND	66	40-160			
n-Propylbenzene	55.7	2.0	ug/kg	50.0	ND	111	60-140			
Styrene	50.0	2.0	ug/kg	50.0	ND	100	70-145			
1,1,1,2-Tetrachloroethane	52.5	5.0	ug/kg	50.0	ND	105	65-145			
1,1,2,2-Tetrachloroethane	41.0	2.0	ug/kg	50.0	ND	82	55-150			
Tetrachloroethene	53.3	2.0	ug/kg	50.0	ND	107	70-130			
Toluene	49.7	2.0	ug/kg	50.0	ND	99	70-125			
1,2,3-Trichlorobenzene	34.3	5.0	ug/kg	50.0	ND	69	60-135			
1,2,4-Trichlorobenzene	38.0	5.0	ug/kg	50.0	ND	76	65-140			
1,1,1-Trichloroethane	57.7	2.0	ug/kg	50.0	ND	115	65-140			
1,1,2-Trichloroethane	40.8	2.0	ug/kg	50.0	ND	82	60-140			
Trichloroethene	51.8	2.0	ug/kg	50.0	ND	104	70-140			
Trichlorofluoromethane	60.3	5.0	ug/kg	50.0	ND	121	40-160			
1,2,3-Trichloropropane	43.5	10	ug/kg	50.0	ND	87	55-140			
1,2,4-Trimethylbenzene	53.3	2.0	ug/kg	50.0	ND	107	65-130			
1,3,5-Trimethylbenzene	54.5	2.0	ug/kg	50.0	ND	109	70-130			
Vinyl chloride	63.1	5.0	ug/kg	50.0	ND	126	45-130			
o-Xylene	52.1	2.0	ug/kg	50.0	ND	104	70-125			
m,p-Xylenes	108	2.0	ug/kg	100	ND	108	70-125			
Surrogate: Dibromofluoromethane	52.6		ug/kg	50.0		105	80-125			
Surrogate: Toluene-d8	51.1		ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	50.5		ug/kg	50.0		101	80-120			

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



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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## 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: 4F19012 Extracted: 06/19/04</b>										
<b>Matrix Spike Dup Analyzed: 06/19/04 (4F19012-MSD1)</b>					<b>Source: INF1164-01</b>					
Benzene	53.1	2.0	ug/kg	50.0	ND	106	65-130	1	20	
Bromobenzene	50.8	5.0	ug/kg	50.0	ND	102	70-130	2	20	
Bromochloromethane	55.7	5.0	ug/kg	50.0	ND	111	60-145	11	25	
Bromodichloromethane	53.8	2.0	ug/kg	50.0	ND	108	70-145	8	20	
Bromoform	50.2	5.0	ug/kg	50.0	ND	100	60-145	28	25	R
Bromomethane	59.2	5.0	ug/kg	50.0	ND	118	50-150	5	25	
n-Butylbenzene	48.8	5.0	ug/kg	50.0	ND	98	60-140	7	25	
sec-Butylbenzene	50.0	5.0	ug/kg	50.0	ND	100	65-135	5	20	
tert-Butylbenzene	50.0	5.0	ug/kg	50.0	ND	100	70-130	7	20	
Carbon tetrachloride	55.7	5.0	ug/kg	50.0	ND	111	70-140	1	20	
Chlorobenzene	51.8	2.0	ug/kg	50.0	ND	104	80-130	0	20	
Chloroethane	57.3	5.0	ug/kg	50.0	ND	115	50-150	4	30	
Chloroform	55.8	2.0	ug/kg	50.0	ND	112	70-130	2	20	
Chloromethane	53.4	5.0	ug/kg	50.0	ND	107	30-150	4	30	
2-Chlorotoluene	51.7	5.0	ug/kg	50.0	ND	103	70-130	4	20	
4-Chlorotoluene	52.1	5.0	ug/kg	50.0	ND	104	65-135	4	20	
Dibromochloromethane	56.2	2.0	ug/kg	50.0	ND	112	65-145	16	25	
1,2-Dibromo-3-chloropropane	59.2	5.0	ug/kg	50.0	ND	118	50-150	42	30	R
1,2-Dibromoethane (EDB)	54.9	2.0	ug/kg	50.0	ND	110	65-135	21	20	R
Dibromomethane	53.2	2.0	ug/kg	50.0	ND	106	65-135	21	20	R
1,2-Dichlorobenzene	48.9	2.0	ug/kg	50.0	ND	98	75-130	5	20	
1,3-Dichlorobenzene	48.9	2.0	ug/kg	50.0	ND	98	70-125	0	20	
1,4-Dichlorobenzene	49.7	2.0	ug/kg	50.0	ND	99	75-130	1	20	
Dichlorodifluoromethane	55.1	5.0	ug/kg	50.0	ND	110	10-200	6	35	
1,1-Dichloroethane	56.9	2.0	ug/kg	50.0	ND	114	70-135	1	20	
1,2-Dichloroethane	55.3	2.0	ug/kg	50.0	ND	111	60-150	15	25	
1,1-Dichloroethene	54.6	5.0	ug/kg	50.0	ND	109	75-140	1	20	
cis-1,2-Dichloroethene	53.5	2.0	ug/kg	50.0	ND	107	60-135	1	20	
trans-1,2-Dichloroethene	56.0	2.0	ug/kg	50.0	ND	112	65-135	0	20	
1,2-Dichloropropane	53.4	2.0	ug/kg	50.0	ND	107	65-125	7	20	
1,3-Dichloropropane	55.9	2.0	ug/kg	50.0	ND	112	65-135	17	20	
2,2-Dichloropropane	63.1	2.0	ug/kg	50.0	ND	126	60-150	11	20	
1,1-Dichloropropene	52.0	2.0	ug/kg	50.0	ND	104	60-140	2	20	
cis-1,3-Dichloropropene	51.7	2.0	ug/kg	50.0	ND	103	65-135	10	20	
trans-1,3-Dichloropropene	51.8	2.0	ug/kg	50.0	ND	104	65-140	17	20	

**Del Mar Analytical, Irvine**  
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Project ID: S130202131

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F19012 Extracted: 06/19/04</b>										
<b>Matrix Spike Dup Analyzed: 06/19/04 (4F19012-MSD1)</b>					<b>Source: INF1164-01</b>					
Ethylbenzene	52.9	2.0	ug/kg	50.0	ND	106	70-130	1	20	
Hexachlorobutadiene	34.5	5.0	ug/kg	50.0	ND	69	65-145	5	20	
Isopropylbenzene	52.8	2.0	ug/kg	50.0	ND	106	60-135	6	25	
p-Isopropyltoluene	48.8	2.0	ug/kg	50.0	ND	98	60-135	5	20	
Methylene chloride	56.1	20	ug/kg	50.0	ND	112	60-145	7	25	
Naphthalene	46.9	5.0	ug/kg	50.0	ND	94	40-160	35	25	R
n-Propylbenzene	52.5	2.0	ug/kg	50.0	ND	105	60-140	6	25	
Styrene	51.5	2.0	ug/kg	50.0	ND	103	70-145	3	20	
1,1,1,2-Tetrachloroethane	54.1	5.0	ug/kg	50.0	ND	108	65-145	3	20	
1,1,2,2-Tetrachloroethane	51.2	2.0	ug/kg	50.0	ND	102	55-150	22	25	
Tetrachloroethene	51.3	2.0	ug/kg	50.0	ND	103	70-130	4	20	
Toluene	50.4	2.0	ug/kg	50.0	ND	101	70-125	1	20	
1,2,3-Trichlorobenzene	40.5	5.0	ug/kg	50.0	ND	81	60-135	17	20	
1,2,4-Trichlorobenzene	42.6	5.0	ug/kg	50.0	ND	85	65-140	11	25	
1,1,1-Trichloroethane	57.2	2.0	ug/kg	50.0	ND	114	65-140	1	20	
1,1,2-Trichloroethane	50.8	2.0	ug/kg	50.0	ND	102	60-140	22	20	R
Trichloroethene	54.3	2.0	ug/kg	50.0	ND	109	70-140	5	20	
Trichlorofluoromethane	57.6	5.0	ug/kg	50.0	ND	115	40-160	5	30	
1,2,3-Trichloropropane	58.1	10	ug/kg	50.0	ND	116	55-140	29	25	R
1,2,4-Trimethylbenzene	50.9	2.0	ug/kg	50.0	ND	102	65-130	5	20	
1,3,5-Trimethylbenzene	51.7	2.0	ug/kg	50.0	ND	103	70-130	5	20	
Vinyl chloride	55.4	5.0	ug/kg	50.0	ND	111	45-130	13	30	
o-Xylene	51.4	2.0	ug/kg	50.0	ND	103	70-125	1	20	
m,p-Xylenes	106	2.0	ug/kg	100	ND	106	70-125	2	20	
Surrogate: Dibromofluoromethane	53.0		ug/kg	50.0		106	80-125			
Surrogate: Toluene-d8	51.3		ug/kg	50.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	51.2		ug/kg	50.0		102	80-120			

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### 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: 4F20013 Extracted: 06/20/04</b>										
<b>Blank Analyzed: 06/20/04 (4F20013-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 For Amanda Cordova  
 Project Manager



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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F20013 Extracted: 06/20/04</b>										
<b>Blank Analyzed: 06/20/04 (4F20013-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	52.7		ug/kg	50.0		105	80-125			
Surrogate: Toluene-d8	50.8		ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	49.5		ug/kg	50.0		99	80-120			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F20013 Extracted: 06/20/04</b>										
<b>LCS Analyzed: 06/20/04 (4F20013-BS1)</b>										
Benzene	48.3	2.0	ug/kg	50.0		97	70-120			
Bromobenzene	45.9	5.0	ug/kg	50.0		92	80-120			
Bromochloromethane	50.7	5.0	ug/kg	50.0		101	65-135			
Bromodichloromethane	53.2	2.0	ug/kg	50.0		106	70-140			
Bromoform	45.0	5.0	ug/kg	50.0		90	60-140			
Bromomethane	58.1	5.0	ug/kg	50.0		116	60-140			
n-Butylbenzene	49.3	5.0	ug/kg	50.0		99	75-130			
sec-Butylbenzene	47.7	5.0	ug/kg	50.0		95	75-125			
tert-Butylbenzene	47.8	5.0	ug/kg	50.0		96	80-125			
Carbon tetrachloride	57.0	5.0	ug/kg	50.0		114	70-140			
Chlorobenzene	49.8	2.0	ug/kg	50.0		100	80-125			
Chloroethane	51.3	5.0	ug/kg	50.0		103	55-145			
Chloroform	48.8	2.0	ug/kg	50.0		98	75-120			
Chloromethane	44.6	5.0	ug/kg	50.0		89	35-145			
2-Chlorotoluene	46.6	5.0	ug/kg	50.0		93	75-125			
4-Chlorotoluene	47.4	5.0	ug/kg	50.0		95	80-125			
Dibromochloromethane	52.5	2.0	ug/kg	50.0		105	65-145			
1,2-Dibromo-3-chloropropane	39.3	5.0	ug/kg	50.0		79	50-150			
1,2-Dibromoethane (EDB)	48.0	2.0	ug/kg	50.0		96	70-130			
Dibromomethane	49.0	2.0	ug/kg	50.0		98	70-130			
1,2-Dichlorobenzene	47.1	2.0	ug/kg	50.0		94	80-125			
1,3-Dichlorobenzene	46.5	2.0	ug/kg	50.0		93	80-120			
1,4-Dichlorobenzene	46.8	2.0	ug/kg	50.0		94	80-120			
Dichlorodifluoromethane	51.7	5.0	ug/kg	50.0		103	10-160			
1,1-Dichloroethane	50.0	2.0	ug/kg	50.0		100	70-135			
1,2-Dichloroethane	51.0	2.0	ug/kg	50.0		102	60-150			
1,1-Dichloroethene	49.1	5.0	ug/kg	50.0		98	75-130			
cis-1,2-Dichloroethene	48.5	2.0	ug/kg	50.0		97	70-125			
trans-1,2-Dichloroethene	49.8	2.0	ug/kg	50.0		100	70-130			
1,2-Dichloropropane	47.5	2.0	ug/kg	50.0		95	70-120			
1,3-Dichloropropane	46.8	2.0	ug/kg	50.0		94	70-130			
2,2-Dichloropropane	70.5	2.0	ug/kg	50.0		141	70-150			
1,1-Dichloropropene	49.7	2.0	ug/kg	50.0		99	75-130			
cis-1,3-Dichloropropene	48.0	2.0	ug/kg	50.0		96	75-130			
trans-1,3-Dichloropropene	47.9	2.0	ug/kg	50.0		96	70-135			

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F20013 Extracted: 06/20/04</b>										
<b>LCS Analyzed: 06/20/04 (4F20013-BS1)</b>										
Ethylbenzene	51.0	2.0	ug/kg	50.0		102	75-125			
Hexachlorobutadiene	47.1	5.0	ug/kg	50.0		94	75-140			
Isopropylbenzene	47.3	2.0	ug/kg	50.0		95	75-125			
p-Isopropyltoluene	47.1	2.0	ug/kg	50.0		94	75-125			
Methylene chloride	44.6	20	ug/kg	50.0		89	60-135			
Naphthalene	42.7	5.0	ug/kg	50.0		85	50-145			
n-Propylbenzene	47.9	2.0	ug/kg	50.0		96	75-130			
Styrene	51.3	2.0	ug/kg	50.0		103	80-135			
1,1,1,2-Tetrachloroethane	54.4	5.0	ug/kg	50.0		109	70-145			
1,1,2,2-Tetrachloroethane	41.4	2.0	ug/kg	50.0		83	55-145			
Tetrachloroethene	51.5	2.0	ug/kg	50.0		103	80-125			
Toluene	48.3	2.0	ug/kg	50.0		97	75-120			
1,2,3-Trichlorobenzene	46.3	5.0	ug/kg	50.0		93	65-135			
1,2,4-Trichlorobenzene	47.5	5.0	ug/kg	50.0		95	70-140			
1,1,1-Trichloroethane	54.2	2.0	ug/kg	50.0		108	75-140			
1,1,2-Trichloroethane	45.2	2.0	ug/kg	50.0		90	65-130			
Trichloroethene	49.0	2.0	ug/kg	50.0		98	75-125			
Trichlorofluoromethane	52.9	5.0	ug/kg	50.0		106	50-145			
1,2,3-Trichloropropane	40.1	10	ug/kg	50.0		80	55-140			
1,2,4-Trimethylbenzene	47.8	2.0	ug/kg	50.0		96	75-125			
1,3,5-Trimethylbenzene	48.4	2.0	ug/kg	50.0		97	80-125			
Vinyl chloride	46.6	5.0	ug/kg	50.0		93	45-130			
o-Xylene	49.2	2.0	ug/kg	50.0		98	75-125			
m,p-Xylenes	99.8	2.0	ug/kg	100		100	75-125			
Surrogate: Dibromofluoromethane	52.0		ug/kg	50.0		104	80-125			
Surrogate: Toluene-d8	50.8		ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	51.1		ug/kg	50.0		102	80-120			

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### 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: 4F20013 Extracted: 06/20/04</b>										
<b>Matrix Spike Analyzed: 06/20/04 (4F20013-MS1)</b>					<b>Source: INF1026-02</b>					
Benzene	38.4	2.0	ug/kg	50.0	ND	77	65-130			
Bromobenzene	35.8	5.0	ug/kg	50.0	ND	72	70-130			
Bromochloromethane	40.1	5.0	ug/kg	50.0	ND	80	60-145			
Bromodichloromethane	38.9	2.0	ug/kg	50.0	ND	78	70-145			
Bromoform	39.2	5.0	ug/kg	50.0	ND	78	60-145			
Bromomethane	44.1	5.0	ug/kg	50.0	ND	88	50-150			
n-Butylbenzene	36.8	5.0	ug/kg	50.0	ND	74	60-140			
sec-Butylbenzene	36.0	5.0	ug/kg	50.0	ND	72	65-135			
tert-Butylbenzene	35.9	5.0	ug/kg	50.0	ND	72	70-130			
Carbon tetrachloride	42.7	5.0	ug/kg	50.0	ND	85	70-140			
Chlorobenzene	37.8	2.0	ug/kg	50.0	ND	76	80-130			M2
Chloroethane	40.5	5.0	ug/kg	50.0	ND	81	50-150			
Chloroform	37.8	2.0	ug/kg	50.0	ND	76	70-130			
Chloromethane	31.8	5.0	ug/kg	50.0	ND	64	30-150			
2-Chlorotoluene	35.8	5.0	ug/kg	50.0	ND	72	70-130			
4-Chlorotoluene	36.2	5.0	ug/kg	50.0	ND	72	65-135			
Dibromochloromethane	43.0	2.0	ug/kg	50.0	ND	86	65-145			
1,2-Dibromo-3-chloropropane	29.8	5.0	ug/kg	50.0	ND	60	50-150			
1,2-Dibromoethane (EDB)	41.0	2.0	ug/kg	50.0	ND	82	65-135			
Dibromomethane	40.7	2.0	ug/kg	50.0	ND	81	65-135			
1,2-Dichlorobenzene	36.7	2.0	ug/kg	50.0	ND	73	75-130			M2
1,3-Dichlorobenzene	36.0	2.0	ug/kg	50.0	ND	72	70-125			
1,4-Dichlorobenzene	36.0	2.0	ug/kg	50.0	ND	72	75-130			M2
Dichlorodifluoromethane	37.0	5.0	ug/kg	50.0	ND	74	10-200			
1,1-Dichloroethane	38.9	2.0	ug/kg	50.0	ND	78	70-135			
1,2-Dichloroethane	40.7	2.0	ug/kg	50.0	ND	81	60-150			
1,1-Dichloroethene	46.3	5.0	ug/kg	50.0	ND	93	75-140			
cis-1,2-Dichloroethene	37.4	2.0	ug/kg	50.0	ND	75	60-135			
trans-1,2-Dichloroethene	39.7	2.0	ug/kg	50.0	ND	79	65-135			
1,2-Dichloropropane	38.4	2.0	ug/kg	50.0	ND	77	65-125			
1,3-Dichloropropane	38.3	2.0	ug/kg	50.0	ND	77	65-135			
2,2-Dichloropropane	54.9	2.0	ug/kg	50.0	ND	110	60-150			
1,1-Dichloropropene	39.2	2.0	ug/kg	50.0	ND	78	60-140			
cis-1,3-Dichloropropene	38.8	2.0	ug/kg	50.0	ND	78	65-135			
trans-1,3-Dichloropropene	39.5	2.0	ug/kg	50.0	ND	79	65-140			

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



Geosyntec Consultants/Project Navigator - Ascon  
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 Attention: Mike Reardon

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## 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: 4F20013 Extracted: 06/20/04</b>										
<b>Matrix Spike Analyzed: 06/20/04 (4F20013-MS1)</b>					<b>Source: INF1026-02</b>					
Ethylbenzene	39.2	2.0	ug/kg	50.0	ND	78	70-130			
Hexachlorobutadiene	31.6	5.0	ug/kg	50.0	ND	63	65-145			M2
Isopropylbenzene	36.5	2.0	ug/kg	50.0	ND	73	60-135			
p-Isopropyltoluene	35.5	2.0	ug/kg	50.0	ND	71	60-135			
Methylene chloride	35.2	20	ug/kg	50.0	ND	70	60-145			
Naphthalene	37.7	5.0	ug/kg	50.0	3.7	68	40-160			
n-Propylbenzene	37.0	2.0	ug/kg	50.0	ND	74	60-140			
Styrene	40.0	2.0	ug/kg	50.0	ND	80	70-145			
1,1,1,2-Tetrachloroethane	39.4	5.0	ug/kg	50.0	ND	79	65-145			
1,1,2,2-Tetrachloroethane	0.860	2.0	ug/kg	50.0	ND	2	55-150			M2
Tetrachloroethene	39.8	2.0	ug/kg	50.0	ND	80	70-130			
Toluene	39.4	2.0	ug/kg	50.0	1.3	76	70-125			
1,2,3-Trichlorobenzene	34.4	5.0	ug/kg	50.0	ND	69	60-135			
1,2,4-Trichlorobenzene	35.3	5.0	ug/kg	50.0	ND	71	65-140			
1,1,1-Trichloroethane	41.2	2.0	ug/kg	50.0	ND	82	65-140			
1,1,2-Trichloroethane	29.5	2.0	ug/kg	50.0	ND	59	60-140			M2
Trichloroethene	69.2	2.0	ug/kg	50.0	0.44	138	70-140			
Trichlorofluoromethane	39.3	5.0	ug/kg	50.0	ND	79	40-160			
1,2,3-Trichloropropane	37.5	10	ug/kg	50.0	ND	75	55-140			
1,2,4-Trimethylbenzene	36.7	2.0	ug/kg	50.0	1.3	71	65-130			
1,3,5-Trimethylbenzene	36.9	2.0	ug/kg	50.0	ND	74	70-130			
Vinyl chloride	39.3	5.0	ug/kg	50.0	ND	79	45-130			
o-Xylene	38.2	2.0	ug/kg	50.0	ND	76	70-125			
m,p-Xylenes	76.4	2.0	ug/kg	100	ND	76	70-125			
Surrogate: Dibromofluoromethane	0.860		ug/kg	50.0		2	80-125			Z
Surrogate: Toluene-d8	51.4		ug/kg	50.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	51.2		ug/kg	50.0		102	80-120			

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### 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: 4F20013 Extracted: 06/20/04</b>										
<b>Matrix Spike Dup Analyzed: 06/20/04 (4F20013-MSD1)</b>					<b>Source: INF1026-02</b>					
Benzene	45.7	2.0	ug/kg	50.0	ND	91	65-130	17	20	
Bromobenzene	43.1	5.0	ug/kg	50.0	ND	86	70-130	19	20	
Bromochloromethane	47.1	5.0	ug/kg	50.0	ND	94	60-145	16	25	
Bromodichloromethane	44.5	2.0	ug/kg	50.0	ND	89	70-145	13	20	
Bromoform	44.8	5.0	ug/kg	50.0	ND	90	60-145	13	25	
Bromomethane	54.6	5.0	ug/kg	50.0	ND	109	50-150	21	25	
n-Butylbenzene	45.0	5.0	ug/kg	50.0	ND	90	60-140	20	25	
sec-Butylbenzene	44.2	5.0	ug/kg	50.0	ND	88	65-135	20	20	
tert-Butylbenzene	44.3	5.0	ug/kg	50.0	ND	89	70-130	21	20	R
Carbon tetrachloride	51.8	5.0	ug/kg	50.0	ND	104	70-140	19	20	
Chlorobenzene	45.9	2.0	ug/kg	50.0	ND	92	80-130	19	20	
Chloroethane	50.5	5.0	ug/kg	50.0	ND	101	50-150	22	30	
Chloroform	45.0	2.0	ug/kg	50.0	ND	90	70-130	17	20	
Chloromethane	42.5	5.0	ug/kg	50.0	ND	85	30-150	29	30	
2-Chlorotoluene	43.6	5.0	ug/kg	50.0	ND	87	70-130	20	20	
4-Chlorotoluene	43.7	5.0	ug/kg	50.0	ND	87	65-135	19	20	
Dibromochloromethane	47.6	2.0	ug/kg	50.0	ND	95	65-145	10	25	
1,2-Dibromo-3-chloropropane	28.5	5.0	ug/kg	50.0	ND	57	50-150	4	30	
1,2-Dibromoethane (EDB)	47.1	2.0	ug/kg	50.0	ND	94	65-135	14	20	
Dibromomethane	46.6	2.0	ug/kg	50.0	ND	93	65-135	14	20	
1,2-Dichlorobenzene	43.9	2.0	ug/kg	50.0	ND	88	75-130	18	20	
1,3-Dichlorobenzene	42.9	2.0	ug/kg	50.0	ND	86	70-125	17	20	
1,4-Dichlorobenzene	43.5	2.0	ug/kg	50.0	ND	87	75-130	19	20	
Dichlorodifluoromethane	45.4	5.0	ug/kg	50.0	ND	91	10-200	20	35	
1,1-Dichloroethane	46.5	2.0	ug/kg	50.0	ND	93	70-135	18	20	
1,2-Dichloroethane	47.6	2.0	ug/kg	50.0	ND	95	60-150	16	25	
1,1-Dichloroethene	56.4	5.0	ug/kg	50.0	ND	113	75-140	20	20	
cis-1,2-Dichloroethene	45.2	2.0	ug/kg	50.0	ND	90	60-135	19	20	
trans-1,2-Dichloroethene	46.1	2.0	ug/kg	50.0	ND	92	65-135	15	20	
1,2-Dichloropropane	45.5	2.0	ug/kg	50.0	ND	91	65-125	17	20	
1,3-Dichloropropane	46.2	2.0	ug/kg	50.0	ND	92	65-135	19	20	
2,2-Dichloropropane	72.8	2.0	ug/kg	50.0	ND	146	60-150	28	20	R-2
1,1-Dichloropropene	46.9	2.0	ug/kg	50.0	ND	94	60-140	18	20	
cis-1,3-Dichloropropene	45.7	2.0	ug/kg	50.0	ND	91	65-135	16	20	
trans-1,3-Dichloropropene	45.6	2.0	ug/kg	50.0	ND	91	65-140	14	20	

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## METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F20013 Extracted: 06/20/04</b>										
<b>Matrix Spike Dup Analyzed: 06/20/04 (4F20013-MSD1)</b>					<b>Source: INF1026-02</b>					
Ethylbenzene	47.8	2.0	ug/kg	50.0	ND	96	70-130	20	20	
Hexachlorobutadiene	40.7	5.0	ug/kg	50.0	ND	81	65-145	25	20	R-3
Isopropylbenzene	43.9	2.0	ug/kg	50.0	ND	88	60-135	18	25	
p-Isopropyltoluene	43.5	2.0	ug/kg	50.0	ND	87	60-135	20	20	
Methylene chloride	41.9	20	ug/kg	50.0	ND	84	60-145	17	25	
Naphthalene	41.7	5.0	ug/kg	50.0	3.7	76	40-160	10	25	
n-Propylbenzene	44.8	2.0	ug/kg	50.0	ND	90	60-140	19	25	
Styrene	48.8	2.0	ug/kg	50.0	ND	98	70-145	20	20	
1,1,1,2-Tetrachloroethane	47.4	5.0	ug/kg	50.0	ND	95	65-145	18	20	
1,1,2,2-Tetrachloroethane	1.02	2.0	ug/kg	50.0	ND	2	55-150	17	25	M2
Tetrachloroethene	48.6	2.0	ug/kg	50.0	ND	97	70-130	20	20	
Toluene	46.9	2.0	ug/kg	50.0	1.3	91	70-125	17	20	
1,2,3-Trichlorobenzene	41.5	5.0	ug/kg	50.0	ND	83	60-135	19	20	
1,2,4-Trichlorobenzene	42.8	5.0	ug/kg	50.0	ND	86	65-140	19	25	
1,1,1-Trichloroethane	50.9	2.0	ug/kg	50.0	ND	102	65-140	21	20	R
1,1,2-Trichloroethane	29.8	2.0	ug/kg	50.0	ND	60	60-140	1	20	
Trichloroethene	81.9	2.0	ug/kg	50.0	0.44	163	70-140	17	20	M1
Trichlorofluoromethane	47.6	5.0	ug/kg	50.0	ND	95	40-160	19	30	
1,2,3-Trichloropropane	40.6	10	ug/kg	50.0	ND	81	55-140	8	25	
1,2,4-Trimethylbenzene	44.7	2.0	ug/kg	50.0	1.3	87	65-130	20	20	
1,3,5-Trimethylbenzene	45.4	2.0	ug/kg	50.0	ND	91	70-130	21	20	R
Vinyl chloride	46.1	5.0	ug/kg	50.0	ND	92	45-130	16	30	
o-Xylene	45.9	2.0	ug/kg	50.0	ND	92	70-125	18	20	
m,p-Xylenes	93.7	2.0	ug/kg	100	ND	94	70-125	20	20	
Surrogate: Dibromofluoromethane	0.00		ug/kg	50.0			80-125			Z
Surrogate: Toluene-d8	51.5		ug/kg	50.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	51.5		ug/kg	50.0		103	80-120			

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/17/04 (4F17022-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							

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### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/17/04 (4F17022-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	2690		ug/kg	2500		108	50-160			
Surrogate: Toluene-d8	2600		ug/kg	2500		104	60-160			
Surrogate: 4-Bromofluorobenzene	2540		ug/kg	2500		102	60-150			

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### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>LCS Analyzed: 06/17/04 (4F17022-BS1)</b>										
Benzene	2450	100	ug/kg	2500		98	75-125			
Bromobenzene	2370	250	ug/kg	2500		95	80-120			
Bromochloromethane	2660	250	ug/kg	2500		106	65-140			
Bromodichloromethane	2630	100	ug/kg	2500		105	70-140			
Bromoform	2270	250	ug/kg	2500		91	60-130			
Bromomethane	2020	250	ug/kg	2500		81	35-140			
n-Butylbenzene	2500	250	ug/kg	2500		100	80-130			
sec-Butylbenzene	2370	250	ug/kg	2500		95	75-125			
tert-Butylbenzene	2390	250	ug/kg	2500		96	80-125			
Carbon tetrachloride	2690	250	ug/kg	2500		108	70-140			
Chlorobenzene	2460	100	ug/kg	2500		98	80-125			
Chloroethane	1960	250	ug/kg	2500		78	40-145			
Chloroform	2480	100	ug/kg	2500		99	75-130			
Chloromethane	1580	250	ug/kg	2500		63	30-145			
2-Chlorotoluene	2340	250	ug/kg	2500		94	75-125			
4-Chlorotoluene	2380	250	ug/kg	2500		95	80-125			
Dibromochloromethane	2630	100	ug/kg	2500		105	65-145			
1,2-Dibromo-3-chloropropane	2260	250	ug/kg	2500		90	45-135			
1,2-Dibromoethane (EDB)	2460	100	ug/kg	2500		98	75-130			
Dibromomethane	2510	100	ug/kg	2500		100	75-135			
1,2-Dichlorobenzene	2430	100	ug/kg	2500		97	80-120			
1,3-Dichlorobenzene	2350	100	ug/kg	2500		94	80-120			
1,4-Dichlorobenzene	2420	100	ug/kg	2500		97	80-120			
Dichlorodifluoromethane	1180	250	ug/kg	2500		47	10-160			
1,1-Dichloroethane	2540	100	ug/kg	2500		102	70-135			
1,2-Dichloroethane	2570	100	ug/kg	2500		103	60-150			
1,1-Dichloroethene	2540	250	ug/kg	2500		102	80-145			
cis-1,2-Dichloroethene	2510	100	ug/kg	2500		100	70-135			
trans-1,2-Dichloroethene	2580	100	ug/kg	2500		103	70-135			
1,2-Dichloropropane	2410	100	ug/kg	2500		96	75-125			
1,3-Dichloropropane	2460	100	ug/kg	2500		98	75-130			
2,2-Dichloropropane	3150	100	ug/kg	2500		126	70-150			
1,1-Dichloropropene	2480	100	ug/kg	2500		99	75-130			
cis-1,3-Dichloropropene	2460	100	ug/kg	2500		98	75-130			
trans-1,3-Dichloropropene	2480	100	ug/kg	2500		99	75-135			

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### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>LCS Analyzed: 06/17/04 (4F17022-BS1)</b>										
Ethylbenzene	2490	100	ug/kg	2500		100	80-120			
Hexachlorobutadiene	2470	250	ug/kg	2500		99	75-140			
Isopropylbenzene	2350	100	ug/kg	2500		94	75-125			
p-Isopropyltoluene	2350	100	ug/kg	2500		94	80-125			
Methylene chloride	2460	1000	ug/kg	2500		98	60-145			
Naphthalene	2370	250	ug/kg	2500		95	50-145			
n-Propylbenzene	2390	100	ug/kg	2500		96	75-130			
Styrene	2580	100	ug/kg	2500		103	80-135			
1,1,1,2-Tetrachloroethane	2620	250	ug/kg	2500		105	70-145			
1,1,2,2-Tetrachloroethane	2270	100	ug/kg	2500		91	60-135			
Tetrachloroethene	2510	100	ug/kg	2500		100	80-125			
Toluene	2430	100	ug/kg	2500		97	80-125			
1,2,3-Trichlorobenzene	2510	250	ug/kg	2500		100	65-135			
1,2,4-Trichlorobenzene	2540	250	ug/kg	2500		102	70-140			
1,1,1-Trichloroethane	2600	100	ug/kg	2500		104	75-140			
1,1,2-Trichloroethane	2370	100	ug/kg	2500		95	70-130			
Trichloroethene	2460	100	ug/kg	2500		98	80-130			
Trichlorofluoromethane	2360	250	ug/kg	2500		94	55-145			
1,2,3-Trichloropropane	2190	500	ug/kg	2500		88	60-130			
1,2,4-Trimethylbenzene	2400	100	ug/kg	2500		96	80-125			
1,3,5-Trimethylbenzene	2420	100	ug/kg	2500		97	80-125			
Vinyl chloride	643	250	ug/kg	2500		26	10-120			
o-Xylene	2400	100	ug/kg	2500		96	80-125			
m,p-Xylenes	4880	100	ug/kg	5000		98	80-120			
Surrogate: Dibromofluoromethane	5150		ug/kg	5000		103	50-160			
Surrogate: Toluene-d8	4860		ug/kg	5000		97	60-160			
Surrogate: 4-Bromofluorobenzene	4940		ug/kg	5000		99	60-150			

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



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

Project ID: S130202131

Report Number: INF0940

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>LCS Dup Analyzed: 06/18/04 (4F17022-BSD1)</b>										
Benzene	2700	100	ug/kg	2500		108	75-125	10	20	
Bromobenzene	2530	250	ug/kg	2500		101	80-120	7	20	
Bromochloromethane	2890	250	ug/kg	2500		116	65-140	8	20	
Bromodichloromethane	2960	100	ug/kg	2500		118	70-140	12	20	
Bromoform	2370	250	ug/kg	2500		95	60-130	4	25	
Bromomethane	2160	250	ug/kg	2500		86	35-140	7	30	
n-Butylbenzene	2700	250	ug/kg	2500		108	80-130	8	20	
sec-Butylbenzene	2590	250	ug/kg	2500		104	75-125	9	20	
tert-Butylbenzene	2590	250	ug/kg	2500		104	80-125	8	20	
Carbon tetrachloride	2980	250	ug/kg	2500		119	70-140	10	20	
Chlorobenzene	2670	100	ug/kg	2500		107	80-125	8	20	
Chloroethane	2110	250	ug/kg	2500		84	40-145	7	25	
Chloroform	2690	100	ug/kg	2500		108	75-130	8	20	
Chloromethane	1630	250	ug/kg	2500		65	30-145	3	25	
2-Chlorotoluene	2510	250	ug/kg	2500		100	75-125	7	20	
4-Chlorotoluene	2590	250	ug/kg	2500		104	80-125	8	20	
Dibromochloromethane	2790	100	ug/kg	2500		112	65-145	6	20	
1,2-Dibromo-3-chloropropane	2260	250	ug/kg	2500		90	45-135	0	25	
1,2-Dibromoethane (EDB)	2630	100	ug/kg	2500		105	75-130	7	20	
Dibromomethane	2740	100	ug/kg	2500		110	75-135	9	20	
1,2-Dichlorobenzene	2610	100	ug/kg	2500		104	80-120	7	20	
1,3-Dichlorobenzene	2570	100	ug/kg	2500		103	80-120	9	20	
1,4-Dichlorobenzene	2600	100	ug/kg	2500		104	80-120	7	20	
Dichlorodifluoromethane	1170	250	ug/kg	2500		47	10-160	1	30	
1,1-Dichloroethane	2760	100	ug/kg	2500		110	70-135	8	20	
1,2-Dichloroethane	2830	100	ug/kg	2500		113	60-150	10	25	
1,1-Dichloroethene	2600	250	ug/kg	2500		104	80-145	2	20	
cis-1,2-Dichloroethene	2720	100	ug/kg	2500		109	70-135	8	20	
trans-1,2-Dichloroethene	2730	100	ug/kg	2500		109	70-135	6	20	
1,2-Dichloropropane	2680	100	ug/kg	2500		107	75-125	11	20	
1,3-Dichloropropane	2600	100	ug/kg	2500		104	75-130	6	20	
2,2-Dichloropropane	3500	100	ug/kg	2500		140	70-150	11	20	
1,1-Dichloropropene	2720	100	ug/kg	2500		109	75-130	9	20	
cis-1,3-Dichloropropene	2730	100	ug/kg	2500		109	75-130	10	20	
trans-1,3-Dichloropropene	2720	100	ug/kg	2500		109	75-135	9	20	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb For Amanda Cordova  
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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>LCS Dup Analyzed: 06/18/04 (4F17022-BSD1)</b>										
Ethylbenzene	2730	100	ug/kg	2500		109	80-120	9	20	
Hexachlorobutadiene	2670	250	ug/kg	2500		107	75-140	8	20	
Isopropylbenzene	2530	100	ug/kg	2500		101	75-125	7	20	
p-Isopropyltoluene	2550	100	ug/kg	2500		102	80-125	8	20	
Methylene chloride	2560	1000	ug/kg	2500		102	60-145	4	20	
Naphthalene	2450	250	ug/kg	2500		98	50-145	3	25	
n-Propylbenzene	2600	100	ug/kg	2500		104	75-130	8	20	
Styrene	2780	100	ug/kg	2500		111	80-135	7	20	
1,1,1,2-Tetrachloroethane	2890	250	ug/kg	2500		116	70-145	10	20	
1,1,2,2-Tetrachloroethane	2330	100	ug/kg	2500		93	60-135	3	25	
Tetrachloroethene	2710	100	ug/kg	2500		108	80-125	8	20	
Toluene	2700	100	ug/kg	2500		108	80-125	11	20	
1,2,3-Trichlorobenzene	2670	250	ug/kg	2500		107	65-135	6	20	
1,2,4-Trichlorobenzene	2720	250	ug/kg	2500		109	70-140	7	20	
1,1,1-Trichloroethane	2900	100	ug/kg	2500		116	75-140	11	20	
1,1,2-Trichloroethane	2600	100	ug/kg	2500		104	70-130	9	20	
Trichloroethene	2700	100	ug/kg	2500		108	80-130	9	20	
Trichlorofluoromethane	2540	250	ug/kg	2500		102	55-145	7	25	
1,2,3-Trichloropropane	2260	500	ug/kg	2500		90	60-130	3	20	
1,2,4-Trimethylbenzene	2720	100	ug/kg	2500		109	80-125	12	20	
1,3,5-Trimethylbenzene	2640	100	ug/kg	2500		106	80-125	9	20	
Vinyl chloride	707	250	ug/kg	2500		28	10-120	9	30	
o-Xylene	2630	100	ug/kg	2500		105	80-125	9	20	
m,p-Xylenes	5380	100	ug/kg	5000		108	80-120	10	20	
Surrogate: Dibromofluoromethane	5630		ug/kg	5000		113	50-160			
Surrogate: Toluene-d8	5420		ug/kg	5000		108	60-160			
Surrogate: 4-Bromofluorobenzene	5290		ug/kg	5000		106	60-150			

**Del Mar Analytical, Irvine**  
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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>Matrix Spike Analyzed: 06/18/04 (4F17022-MS1)</b>					<b>Source: INF0986-14</b>					
Benzene	2840	100	ug/kg	2500	350	100	60-140			
Bromobenzene	2500	250	ug/kg	2500	ND	100	65-130			
Bromochloromethane	2690	250	ug/kg	2500	ND	108	60-145			
Bromodichloromethane	2830	100	ug/kg	2500	ND	113	65-150			
Bromoform	2540	250	ug/kg	2500	ND	102	55-150			
Bromomethane	1900	250	ug/kg	2500	ND	76	30-160			
n-Butylbenzene	3760	250	ug/kg	2500	ND	150	60-150			
sec-Butylbenzene	2790	250	ug/kg	2500	93	108	65-145			
tert-Butylbenzene	2590	250	ug/kg	2500	ND	104	60-150			
Carbon tetrachloride	2800	250	ug/kg	2500	ND	112	70-140			
Chlorobenzene	2740	100	ug/kg	2500	ND	110	70-140			
Chloroethane	1970	250	ug/kg	2500	ND	79	30-170			
Chloroform	2580	100	ug/kg	2500	ND	103	60-140			
Chloromethane	1410	250	ug/kg	2500	ND	56	30-160			
2-Chlorotoluene	3670	250	ug/kg	2500	ND	147	60-140			MI
4-Chlorotoluene	3110	250	ug/kg	2500	ND	124	70-135			
Dibromochloromethane	2770	100	ug/kg	2500	ND	111	60-150			
1,2-Dibromo-3-chloropropane	3370	250	ug/kg	2500	ND	135	40-150			
1,2-Dibromoethane (EDB)	2670	100	ug/kg	2500	ND	107	65-140			
Dibromomethane	2640	100	ug/kg	2500	ND	106	65-140			
1,2-Dichlorobenzene	2370	100	ug/kg	2500	ND	95	70-130			
1,3-Dichlorobenzene	2520	100	ug/kg	2500	ND	101	60-155			
1,4-Dichlorobenzene	2560	100	ug/kg	2500	ND	102	55-150			
Dichlorodifluoromethane	713	250	ug/kg	2500	ND	29	10-160			
1,1-Dichloroethane	2630	100	ug/kg	2500	ND	105	60-155			
1,2-Dichloroethane	2670	100	ug/kg	2500	ND	107	55-150			
1,1-Dichloroethene	2430	250	ug/kg	2500	ND	97	60-165			
cis-1,2-Dichloroethene	2620	100	ug/kg	2500	ND	105	60-135			
trans-1,2-Dichloroethene	2620	100	ug/kg	2500	ND	105	50-155			
1,2-Dichloropropane	2660	100	ug/kg	2500	ND	106	65-135			
1,3-Dichloropropane	2570	100	ug/kg	2500	ND	103	65-135			
2,2-Dichloropropane	3160	100	ug/kg	2500	ND	126	60-150			
1,1-Dichloropropene	2660	100	ug/kg	2500	ND	106	60-140			
cis-1,3-Dichloropropene	2620	100	ug/kg	2500	ND	105	60-135			
trans-1,3-Dichloropropene	2630	100	ug/kg	2500	ND	105	55-155			

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>Matrix Spike Analyzed: 06/18/04 (4F17022-MS1)</b>					<b>Source: INF0986-14</b>					
Ethylbenzene	5730	100	ug/kg	2500	1800	157	60-140			MI
Hexachlorobutadiene	2410	250	ug/kg	2500	ND	96	65-145			
Isopropylbenzene	3040	100	ug/kg	2500	260	111	60-140			
p-Isopropyltoluene	2690	100	ug/kg	2500	75	105	60-145			
Methylene chloride	2410	1000	ug/kg	2500	ND	96	50-155			
Naphthalene	4860	250	ug/kg	2500	1800	122	30-165			
n-Propylbenzene	4100	100	ug/kg	2500	680	137	60-145			
Styrene	2870	100	ug/kg	2500	ND	115	60-145			
1,1,1,2-Tetrachloroethane	2880	250	ug/kg	2500	ND	115	65-145			
1,1,2,2-Tetrachloroethane	1920	100	ug/kg	2500	ND	77	60-150			
Tetrachloroethene	2770	100	ug/kg	2500	ND	111	65-145			
Toluene	6100	100	ug/kg	2500	3000	124	60-145			
1,2,3-Trichlorobenzene	2410	250	ug/kg	2500	ND	96	45-145			
1,2,4-Trichlorobenzene	2520	250	ug/kg	2500	ND	101	60-140			
1,1,1-Trichloroethane	2700	100	ug/kg	2500	ND	108	65-140			
1,1,2-Trichloroethane	2700	100	ug/kg	2500	ND	108	60-140			
Trichloroethene	2970	100	ug/kg	2500	ND	119	70-150			
Trichlorofluoromethane	2170	250	ug/kg	2500	ND	87	35-165			
1,2,3-Trichloropropane	2260	500	ug/kg	2500	ND	90	50-150			
1,2,4-Trimethylbenzene	15400	100	ug/kg	2500	7900	300	70-135			MI
1,3,5-Trimethylbenzene	8140	100	ug/kg	2500	3000	206	70-135			MI
Vinyl chloride	604	250	ug/kg	2500	ND	24	10-120			
o-Xylene	8810	100	ug/kg	2500	3500	212	60-145			MI
m,p-Xylenes	18900	100	ug/kg	5000	7700	224	60-140			MI
Surrogate: Dibromofluoromethane	1990		ug/kg	2500		80	50-160			
Surrogate: Toluene-d8	2120		ug/kg	2500		85	60-160			
Surrogate: 4-Bromofluorobenzene	2170		ug/kg	2500		87	60-150			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb For Amanda Cordova  
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**METHOD BLANK/QC DATA**
**VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>Matrix Spike Dup Analyzed: 06/18/04 (4F17022-MSD1)</b>					<b>Source: INF0986-14</b>					
Benzene	3310	100	ug/kg	2500	350	118	60-140	15	25	
Bromobenzene	2850	250	ug/kg	2500	ND	114	65-130	13	25	
Bromochloromethane	3050	250	ug/kg	2500	ND	122	60-145	13	25	
Bromodichloromethane	3280	100	ug/kg	2500	ND	131	65-150	15	25	
Bromoform	2850	250	ug/kg	2500	ND	114	55-150	12	30	
Bromomethane	1880	250	ug/kg	2500	ND	75	30-160	1	30	
n-Butylbenzene	3680	250	ug/kg	2500	ND	147	60-150	2	25	
sec-Butylbenzene	3100	250	ug/kg	2500	93	120	65-145	11	25	
tert-Butylbenzene	3020	250	ug/kg	2500	ND	121	60-150	15	20	
Carbon tetrachloride	3210	250	ug/kg	2500	ND	128	70-140	14	20	
Chlorobenzene	2980	100	ug/kg	2500	ND	119	70-140	8	25	
Chloroethane	1990	250	ug/kg	2500	ND	80	30-170	1	35	
Chloroform	2950	100	ug/kg	2500	ND	118	60-140	13	25	
Chloromethane	1250	250	ug/kg	2500	ND	50	30-160	12	30	
2-Chlorotoluene	3420	250	ug/kg	2500	ND	137	60-140	7	25	
4-Chlorotoluene	3180	250	ug/kg	2500	ND	127	70-135	2	20	
Dibromochloromethane	3230	100	ug/kg	2500	ND	129	60-150	15	25	
1,2-Dibromo-3-chloropropane	3540	250	ug/kg	2500	ND	142	40-150	5	30	
1,2-Dibromoethane (EDB)	2960	100	ug/kg	2500	ND	118	65-140	10	25	
Dibromomethane	2950	100	ug/kg	2500	ND	118	65-140	11	20	
1,2-Dichlorobenzene	2850	100	ug/kg	2500	ND	114	70-130	18	20	
1,3-Dichlorobenzene	2890	100	ug/kg	2500	ND	116	60-155	14	25	
1,4-Dichlorobenzene	2900	100	ug/kg	2500	ND	116	55-150	12	25	
Dichlorodifluoromethane	502	250	ug/kg	2500	ND	20	10-160	35	35	
1,1-Dichloroethane	2930	100	ug/kg	2500	ND	117	60-155	11	25	
1,2-Dichloroethane	3040	100	ug/kg	2500	ND	122	55-150	13	30	
1,1-Dichloroethene	2600	250	ug/kg	2500	ND	104	60-165	7	25	
cis-1,2-Dichloroethene	2840	100	ug/kg	2500	ND	114	60-135	8	25	
trans-1,2-Dichloroethene	2790	100	ug/kg	2500	ND	112	50-155	6	25	
1,2-Dichloropropane	2940	100	ug/kg	2500	ND	118	65-135	10	20	
1,3-Dichloropropane	2900	100	ug/kg	2500	ND	116	65-135	12	20	
2,2-Dichloropropane	3770	100	ug/kg	2500	ND	151	60-150	18	20	MI
1,1-Dichloropropene	2900	100	ug/kg	2500	ND	116	60-140	9	20	
cis-1,3-Dichloropropene	2900	100	ug/kg	2500	ND	116	60-135	10	25	
trans-1,3-Dichloropropene	2940	100	ug/kg	2500	ND	118	55-155	11	25	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb For Amanda Cordova  
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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17022 Extracted: 06/17/04</b>										
<b>Matrix Spike Dup Analyzed: 06/18/04 (4F17022-MSD1)</b>					<b>Source: INF0986-14</b>					
Ethylbenzene	5000	100	ug/kg	2500	1800	128	60-140	14	25	
Hexachlorobutadiene	3020	250	ug/kg	2500	ND	121	65-145	22	25	
Isopropylbenzene	3230	100	ug/kg	2500	260	119	60-140	6	25	
p-Isopropyltoluene	3020	100	ug/kg	2500	75	118	60-145	12	25	
Methylene chloride	2660	1000	ug/kg	2500	ND	106	50-155	10	25	
Naphthalene	4780	250	ug/kg	2500	1800	119	30-165	2	30	
n-Propylbenzene	3740	100	ug/kg	2500	680	122	60-145	9	25	
Styrene	3080	100	ug/kg	2500	ND	123	60-145	7	20	
1,1,1,2-Tetrachloroethane	3310	250	ug/kg	2500	ND	132	65-145	14	20	
1,1,2,2-Tetrachloroethane	2550	100	ug/kg	2500	ND	102	60-150	28	20	R
Tetrachloroethene	3060	100	ug/kg	2500	ND	122	65-145	10	25	
Toluene	5470	100	ug/kg	2500	3000	99	60-145	11	25	
1,2,3-Trichlorobenzene	3050	250	ug/kg	2500	ND	122	45-145	23	30	
1,2,4-Trichlorobenzene	3080	250	ug/kg	2500	ND	123	60-140	20	25	
1,1,1-Trichloroethane	3130	100	ug/kg	2500	ND	125	65-140	15	25	
1,1,2-Trichloroethane	2920	100	ug/kg	2500	ND	117	60-140	8	20	
Trichloroethene	3030	100	ug/kg	2500	ND	121	70-150	2	25	
Trichlorofluoromethane	2290	250	ug/kg	2500	ND	92	35-165	5	30	
1,2,3-Trichloropropane	2590	500	ug/kg	2500	ND	104	50-150	14	20	
1,2,4-Trimethylbenzene	10800	100	ug/kg	2500	7900	116	70-135	35	20	R-3
1,3,5-Trimethylbenzene	5990	100	ug/kg	2500	3000	120	70-135	30	25	R-3
Vinyl chloride	688	250	ug/kg	2500	ND	28	10-120	13	35	
o-Xylene	6250	100	ug/kg	2500	3500	110	60-145	34	25	R-3
m,p-Xylenes	12800	100	ug/kg	5000	7700	102	60-140	38	25	R-3
Surrogate: Dibromofluoromethane	2230		ug/kg	2500		89	50-160			
Surrogate: Toluene-d8	2210		ug/kg	2500		88	60-160			
Surrogate: 4-Bromofluorobenzene	2250		ug/kg	2500		90	60-150			

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb For Amanda Cordova  
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 Received: 06/15/04

## 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: 4F18039 Extracted: 06/18/04</b>										
<b>Blank Analyzed: 06/22/04 (4F18039-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 For Amanda Cordova  
 Project Manager



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

Project ID: S130202131

Report Number: INF0940

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 Received: 06/15/04

## 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: 4F18039 Extracted: 06/18/04</b>										
<b>Blank Analyzed: 06/22/04 (4F18039-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	4980		ug/kg	6670		75	25-120			
Surrogate: Phenol-d6	4870		ug/kg	6670		73	30-120			

**Del Mar Analytical, Irvine**  
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## 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: 4F18039 Extracted: 06/18/04</b>										
<b>Blank Analyzed: 06/22/04 (4F18039-BLK1)</b>										
Surrogate: 2,4,6-Tribromophenol	5210		ug/kg	6670		78	35-120			
Surrogate: Nitrobenzene-d5	2430		ug/kg	3330		73	30-120			
Surrogate: 2-Fluorobiphenyl	2730		ug/kg	3330		82	35-120			
Surrogate: Terphenyl-d14	3070		ug/kg	3330		92	35-155			
<b>LCS Analyzed: 06/22/04 (4F18039-BS1)</b>										
Acenaphthene	2660	330	ug/kg	3330		80	55-120			
Acenaphthylene	2640	330	ug/kg	3330		79	55-120			
Aniline	1780	420	ug/kg	3330		53	30-120			
Anthracene	3020	330	ug/kg	3330		91	55-120			
Benzidine	2480	660	ug/kg	3330		74	10-180			
Benzoic acid	2160	830	ug/kg	3330		65	30-125			
Benzo(a)anthracene	3130	330	ug/kg	3330		94	65-120			
Benzo(b)fluoranthene	3480	330	ug/kg	3330		105	65-120			
Benzo(k)fluoranthene	3420	330	ug/kg	3330		103	60-120			
Benzo(g,h,i)perylene	3850	330	ug/kg	3330		116	25-160			
Benzo(a)pyrene	3680	330	ug/kg	3330		111	60-120			
Benzyl alcohol	2690	330	ug/kg	3330		81	40-130			
Bis(2-chloroethoxy)methane	2410	330	ug/kg	3330		72	50-120			
Bis(2-chloroethyl)ether	2230	170	ug/kg	3330		67	40-120			
Bis(2-chloroisopropyl)ether	2250	330	ug/kg	3330		68	40-120			
Bis(2-ethylhexyl)phthalate	3460	330	ug/kg	3330		104	65-125			
4-Bromophenyl phenyl ether	2740	330	ug/kg	3330		82	50-125			
Butyl benzyl phthalate	3150	330	ug/kg	3330		95	65-120			
4-Chloroaniline	1390	330	ug/kg	3330		42	20-120			
2-Chloronaphthalene	2600	330	ug/kg	3330		78	50-120			
4-Chloro-3-methylphenol	2750	330	ug/kg	3330		83	50-120			
2-Chlorophenol	2450	330	ug/kg	3330		74	45-120			
4-Chlorophenyl phenyl ether	2800	330	ug/kg	3330		84	55-120			
Chrysene	3310	330	ug/kg	3330		99	60-120			
Dibenz(a,h)anthracene	4080	420	ug/kg	3330		123	25-160			
Dibenzofuran	2710	330	ug/kg	3330		81	55-120			
Di-n-butyl phthalate	3100	330	ug/kg	3330		93	60-120			
1,3-Dichlorobenzene	2220	330	ug/kg	3330		67	40-120			
1,4-Dichlorobenzene	2000	330	ug/kg	3330		60	40-120			
1,2-Dichlorobenzene	2180	330	ug/kg	3330		65	40-120			

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## 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: 4F18039 Extracted: 06/18/04</b>										
<b>LCS Analyzed: 06/22/04 (4F18039-BS1)</b>										
3,3-Dichlorobenzidine	2010	830	ug/kg	3330		60	20-170			
2,4-Dichlorophenol	2400	330	ug/kg	3330		72	55-120			
Diethyl phthalate	2920	330	ug/kg	3330		88	55-120			
2,4-Dimethylphenol	2240	330	ug/kg	3330		67	45-120			
Dimethyl phthalate	2760	330	ug/kg	3330		83	60-120			
4,6-Dinitro-2-methylphenol	2760	420	ug/kg	3330		83	50-120			
2,4-Dinitrophenol	2720	420	ug/kg	3330		82	25-140			
2,4-Dinitrotoluene	3190	330	ug/kg	3330		96	60-140			
2,6-Dinitrotoluene	3010	330	ug/kg	3330		90	60-125			
Di-n-octyl phthalate	3690	330	ug/kg	3330		111	60-135			
Fluoranthene	3010	330	ug/kg	3330		90	55-130			
Fluorene	2730	330	ug/kg	3330		82	55-120			
Hexachlorobenzene	2750	330	ug/kg	3330		83	45-120			
Hexachlorobutadiene	2160	330	ug/kg	3330		65	40-120			
Hexachlorocyclopentadiene	2090	830	ug/kg	3330		63	45-130			
Hexachloroethane	2180	330	ug/kg	3330		65	40-120			
Indeno(1,2,3-cd)pyrene	3960	330	ug/kg	3330		119	25-150			
Isophorone	2400	330	ug/kg	3330		72	45-120			
2-Methylnaphthalene	2420	330	ug/kg	3330		73	50-120			
2-Methylphenol	2590	330	ug/kg	3330		78	50-120			
4-Methylphenol	2740	330	ug/kg	3330		82	50-120			
Naphthalene	2420	330	ug/kg	3330		73	45-120			
2-Nitroaniline	2940	330	ug/kg	3330		88	55-130			
3-Nitroaniline	2290	330	ug/kg	3330		69	40-140			
4-Nitroaniline	3180	830	ug/kg	3330		95	40-160			
Nitrobenzene	2300	330	ug/kg	3330		69	45-120			
2-Nitrophenol	2470	330	ug/kg	3330		74	50-120			
4-Nitrophenol	2620	830	ug/kg	3330		79	45-135			
N-Nitrosodiphenylamine	2870	330	ug/kg	3330		86	55-120			
N-Nitroso-di-n-propylamine	2550	250	ug/kg	3330		77	45-120			
Pentachlorophenol	2430	830	ug/kg	3330		73	50-120			
Phenanthrene	2840	330	ug/kg	3330		85	55-120			
Phenol	2380	330	ug/kg	3330		71	45-120			
Pyrene	2870	330	ug/kg	3330		86	50-120			
1,2,4-Trichlorobenzene	2220	330	ug/kg	3330		67	45-120			

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### 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: 4F18039 Extracted: 06/18/04</b>										
<b>LCS Analyzed: 06/22/04 (4F18039-BS1)</b>										
2,4,5-Trichlorophenol	2750	330	ug/kg	3330		83	55-120			
2,4,6-Trichlorophenol	2720	330	ug/kg	3330		82	55-120			
1,2-Diphenylhydrazine/Azobenzene	3180	330	ug/kg	3330		95	60-120			
Surrogate: 2-Fluorophenol	4580		ug/kg	6670		69	25-120			
Surrogate: Phenol-d6	4650		ug/kg	6670		70	30-120			
Surrogate: 2,4,6-Tribromophenol	5710		ug/kg	6670		86	35-120			
Surrogate: Nitrobenzene-d5	2240		ug/kg	3330		67	30-120			
Surrogate: 2-Fluorobiphenyl	2460		ug/kg	3330		74	35-120			
Surrogate: Terphenyl-d14	2830		ug/kg	3330		85	35-155			
<b>LCS Dup Analyzed: 06/22/04 (4F18039-BSD1)</b>										
Acenaphthene	2730	330	ug/kg	3330		82	55-120	3	20	
Acenaphthylene	2760	330	ug/kg	3330		83	55-120	4	20	
Aniline	2120	420	ug/kg	3330		64	30-120	17	25	
Anthracene	2960	330	ug/kg	3330		89	55-120	2	20	
Benzidine	2550	660	ug/kg	3330		77	10-180	3	25	
Benzoic acid	2200	830	ug/kg	3330		66	30-125	2	25	
Benzo(a)anthracene	3140	330	ug/kg	3330		94	65-120	0	20	
Benzo(b)fluoranthene	3520	330	ug/kg	3330		106	65-120	1	20	
Benzo(k)fluoranthene	3560	330	ug/kg	3330		107	60-120	4	20	
Benzo(g,h,i)perylene	3680	330	ug/kg	3330		111	25-160	5	25	
Benzo(a)pyrene	3700	330	ug/kg	3330		111	60-120	1	20	
Benzyl alcohol	2800	330	ug/kg	3330		84	40-130	4	25	
Bis(2-chloroethoxy)methane	2450	330	ug/kg	3330		74	50-120	2	20	
Bis(2-chloroethyl)ether	2320	170	ug/kg	3330		70	40-120	4	25	
Bis(2-chloroisopropyl)ether	2370	330	ug/kg	3330		71	40-120	5	25	
Bis(2-ethylhexyl)phthalate	3390	330	ug/kg	3330		102	65-125	2	20	
4-Bromophenyl phenyl ether	2730	330	ug/kg	3330		82	50-125	0	20	
Butyl benzyl phthalate	3140	330	ug/kg	3330		94	65-120	0	20	
4-Chloroaniline	1880	330	ug/kg	3330		56	20-120	30	25	R-7
2-Chloronaphthalene	2760	330	ug/kg	3330		83	50-120	6	20	
4-Chloro-3-methylphenol	2870	330	ug/kg	3330		86	50-120	4	20	
2-Chlorophenol	2530	330	ug/kg	3330		76	45-120	3	20	
4-Chlorophenyl phenyl ether	2860	330	ug/kg	3330		86	55-120	2	20	
Chrysene	3300	330	ug/kg	3330		99	60-120	0	20	
Dibenz(a,h)anthracene	3900	420	ug/kg	3330		117	25-160	5	25	

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



Geosyntec Consultants/Project Navigator - Ascon  
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Project ID: S130202131

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## 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: 4F18039 Extracted: 06/18/04</b>										
<b>LCS Dup Analyzed: 06/22/04 (4F18039-BSD1)</b>										
Dibenzofuran	2800	330	ug/kg	3330		84	55-120	3	20	
Di-n-butyl phthalate	3030	330	ug/kg	3330		91	60-120	2	20	
1,3-Dichlorobenzene	2240	330	ug/kg	3330		67	40-120	1	25	
1,4-Dichlorobenzene	2120	330	ug/kg	3330		64	40-120	6	25	
1,2-Dichlorobenzene	2240	330	ug/kg	3330		67	40-120	3	20	
3,3-Dichlorobenzidine	2330	830	ug/kg	3330		70	20-170	15	25	
2,4-Dichlorophenol	2580	330	ug/kg	3330		77	55-120	7	20	
Diethyl phthalate	2960	330	ug/kg	3330		89	55-120	1	20	
2,4-Dimethylphenol	2300	330	ug/kg	3330		69	45-120	3	25	
Dimethyl phthalate	2870	330	ug/kg	3330		86	60-120	4	20	
4,6-Dinitro-2-methylphenol	2600	420	ug/kg	3330		78	50-120	6	20	
2,4-Dinitrophenol	2690	420	ug/kg	3330		81	25-140	1	25	
2,4-Dinitrotoluene	3270	330	ug/kg	3330		98	60-140	2	20	
2,6-Dinitrotoluene	3160	330	ug/kg	3330		95	60-125	5	20	
Di-n-octyl phthalate	3580	330	ug/kg	3330		108	60-135	3	20	
Fluoranthene	2960	330	ug/kg	3330		89	55-130	2	20	
Fluorene	2860	330	ug/kg	3330		86	55-120	5	20	
Hexachlorobenzene	2780	330	ug/kg	3330		83	45-120	1	20	
Hexachlorobutadiene	2220	330	ug/kg	3330		67	40-120	3	20	
Hexachlorocyclopentadiene	2100	830	ug/kg	3330		63	45-130	1	20	
Hexachloroethane	2210	330	ug/kg	3330		66	40-120	1	20	
Indeno(1,2,3-cd)pyrene	3770	330	ug/kg	3330		113	25-150	5	25	
Isophorone	2490	330	ug/kg	3330		75	45-120	4	20	
2-Methylnaphthalene	2550	330	ug/kg	3330		77	50-120	5	20	
2-Methylphenol	2750	330	ug/kg	3330		83	50-120	6	20	
4-Methylphenol	2850	330	ug/kg	3330		86	50-120	4	20	
Naphthalene	2530	330	ug/kg	3330		76	45-120	4	20	
2-Nitroaniline	3010	330	ug/kg	3330		90	55-130	2	20	
3-Nitroaniline	2640	330	ug/kg	3330		79	40-140	14	25	
4-Nitroaniline	3310	830	ug/kg	3330		99	40-160	4	20	
Nitrobenzene	2330	330	ug/kg	3330		70	45-120	1	20	
2-Nitrophenol	2620	330	ug/kg	3330		79	50-120	6	20	
4-Nitrophenol	2680	830	ug/kg	3330		80	45-135	2	25	
N-Nitrosodiphenylamine	2880	330	ug/kg	3330		86	55-120	0	20	
N-Nitroso-di-n-propylamine	2710	250	ug/kg	3330		81	45-120	6	20	

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



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## 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: 4F18039 Extracted: 06/18/04</b>										
<b>LCS Dup Analyzed: 06/22/04 (4F18039-BSD1)</b>										
Pentachlorophenol	2280	830	ug/kg	3330		68	50-120	6	20	
Phenanthrene	2840	330	ug/kg	3330		85	55-120	0	20	
Phenol	2460	330	ug/kg	3330		74	45-120	3	20	
Pyrene	2890	330	ug/kg	3330		87	50-120	1	20	
1,2,4-Trichlorobenzene	2360	330	ug/kg	3330		71	45-120	6	20	
2,4,5-Trichlorophenol	2880	330	ug/kg	3330		86	55-120	5	20	
2,4,6-Trichlorophenol	2890	330	ug/kg	3330		87	55-120	6	20	
1,2-Diphenylhydrazine/Azobenzene	3290	330	ug/kg	3330		99	60-120	3	20	
Surrogate: 2-Fluorophenol	4760		ug/kg	6670		71	25-120			
Surrogate: Phenol-d6	4890		ug/kg	6670		73	30-120			
Surrogate: 2,4,6-Tribromophenol	5610		ug/kg	6670		84	35-120			
Surrogate: Nitrobenzene-d5	2330		ug/kg	3330		70	30-120			
Surrogate: 2-Fluorobiphenyl	2630		ug/kg	3330		79	35-120			
Surrogate: Terphenyl-d14	2860		ug/kg	3330		86	35-155			
<b>Matrix Spike Analyzed: 06/22/04 (4F18039-MS1)</b>										
<b>Source: INF0941-06</b>										
Acenaphthene	2640	330	ug/kg	3330	ND	79	45-120			
Acenaphthylene	2650	330	ug/kg	3330	ND	80	45-120			
Aniline	1610	420	ug/kg	3330	ND	48	30-120			
Anthracene	2940	330	ug/kg	3330	ND	88	55-120			
Benzidine	759	660	ug/kg	3330	ND	23	10-180			
Benzoic acid	1110	830	ug/kg	3330	ND	33	20-125			
Benzo(a)anthracene	2960	330	ug/kg	3330	ND	89	55-120			
Benzo(b)fluoranthene	3350	330	ug/kg	3330	ND	101	65-120			
Benzo(k)fluoranthene	3290	330	ug/kg	3330	ND	99	55-120			
Benzo(g,h,i)perylene	3410	330	ug/kg	3330	ND	102	25-160			
Benzo(a)pyrene	3480	330	ug/kg	3330	ND	105	60-120			
Benzyl alcohol	2710	330	ug/kg	3330	ND	81	40-130			
Bis(2-chloroethoxy)methane	2380	330	ug/kg	3330	ND	71	45-120			
Bis(2-chloroethyl)ether	2210	170	ug/kg	3330	ND	66	40-120			
Bis(2-chloroisopropyl)ether	2250	330	ug/kg	3330	ND	68	40-120			
Bis(2-ethylhexyl)phthalate	3290	330	ug/kg	3330	ND	99	60-135			
4-Bromophenyl phenyl ether	2680	330	ug/kg	3330	ND	80	50-125			
Butyl benzyl phthalate	3060	330	ug/kg	3330	ND	92	55-150			
4-Chloroaniline	1280	330	ug/kg	3330	ND	38	20-120			
2-Chloronaphthalene	2650	330	ug/kg	3330	ND	80	55-120			

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





Geosyntec Consultants/Project Navigator - Ascon  
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 Attention: Mike Reardon

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## 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: 4F18039 Extracted: 06/18/04</b>										
<b>Matrix Spike Analyzed: 06/22/04 (4F18039-MS1)</b>					<b>Source: INF0941-06</b>					
4-Chloro-3-methylphenol	2780	330	ug/kg	3330	ND	83	45-125			
2-Chlorophenol	2470	330	ug/kg	3330	ND	74	40-120			
4-Chlorophenyl phenyl ether	2790	330	ug/kg	3330	ND	84	55-120			
Chrysene	3160	330	ug/kg	3330	ND	95	60-120			
Dibenz(a,h)anthracene	3620	420	ug/kg	3330	ND	109	25-160			
Dibenzofuran	2750	330	ug/kg	3330	ND	83	55-120			
Di-n-butyl phthalate	2940	330	ug/kg	3330	ND	88	60-120			
1,3-Dichlorobenzene	2240	330	ug/kg	3330	ND	67	35-120			
1,4-Dichlorobenzene	2060	330	ug/kg	3330	ND	62	40-120			
1,2-Dichlorobenzene	2220	330	ug/kg	3330	ND	67	40-120			
3,3-Dichlorobenzidine	1720	830	ug/kg	3330	ND	52	20-170			
2,4-Dichlorophenol	2520	330	ug/kg	3330	ND	76	40-120			
Diethyl phthalate	2920	330	ug/kg	3330	ND	88	55-120			
2,4-Dimethylphenol	2280	330	ug/kg	3330	ND	68	35-120			
Dimethyl phthalate	2790	330	ug/kg	3330	ND	84	50-120			
4,6-Dinitro-2-methylphenol	2470	420	ug/kg	3330	ND	74	40-120			
2,4-Dinitrophenol	1850	420	ug/kg	3330	ND	56	20-140			
2,4-Dinitrotoluene	3200	330	ug/kg	3330	ND	96	55-140			
2,6-Dinitrotoluene	3100	330	ug/kg	3330	ND	93	55-125			
Di-n-octyl phthalate	3500	330	ug/kg	3330	ND	105	45-140			
Fluoranthene	2890	330	ug/kg	3330	ND	87	45-130			
Fluorene	2760	330	ug/kg	3330	ND	83	55-120			
Hexachlorobenzene	2630	330	ug/kg	3330	ND	79	35-120			
Hexachlorobutadiene	2150	330	ug/kg	3330	ND	65	40-120			
Hexachlorocyclopentadiene	2000	830	ug/kg	3330	ND	60	30-145			
Hexachloroethane	2190	330	ug/kg	3330	ND	66	40-120			
Indeno(1,2,3-cd)pyrene	3530	330	ug/kg	3330	ND	106	25-150			
Isophorone	2440	330	ug/kg	3330	ND	73	40-120			
2-Methylnaphthalene	2500	330	ug/kg	3330	ND	75	40-120			
2-Methylphenol	2600	330	ug/kg	3330	ND	78	40-120			
4-Methylphenol	2700	330	ug/kg	3330	ND	81	40-120			
Naphthalene	2450	330	ug/kg	3330	ND	74	40-120			
2-Nitroaniline	2960	330	ug/kg	3330	ND	89	55-130			
3-Nitroaniline	2210	330	ug/kg	3330	ND	66	40-140			
4-Nitroaniline	3260	830	ug/kg	3330	ND	98	40-160			

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## 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: 4F18039 Extracted: 06/18/04</b>										
<b>Matrix Spike Analyzed: 06/22/04 (4F18039-MS1)</b>					<b>Source: INF0941-06</b>					
Nitrobenzene	2270	330	ug/kg	3330	ND	68	45-120			
2-Nitrophenol	2520	330	ug/kg	3330	ND	76	40-120			
4-Nitrophenol	2220	830	ug/kg	3330	ND	67	35-135			
N-Nitrosodiphenylamine	2800	330	ug/kg	3330	ND	84	55-120			
N-Nitroso-di-n-propylamine	2570	250	ug/kg	3330	ND	77	40-120			
Pentachlorophenol	2140	830	ug/kg	3330	ND	64	40-120			
Phenanthrene	2780	330	ug/kg	3330	ND	83	55-120			
Phenol	2370	330	ug/kg	3330	ND	71	40-120			
Pyrene	2900	330	ug/kg	3330	ND	87	50-120			
1,2,4-Trichlorobenzene	2270	330	ug/kg	3330	ND	68	45-120			
2,4,5-Trichlorophenol	2670	330	ug/kg	3330	ND	80	55-120			
2,4,6-Trichlorophenol	2740	330	ug/kg	3330	ND	82	40-120			
1,2-Diphenylhydrazine/Azobenzene	3150	330	ug/kg	3330	ND	95	60-120			
Surrogate: 2-Fluorophenol	4450		ug/kg	6670		67	25-120			
Surrogate: Phenol-d6	4540		ug/kg	6670		68	30-120			
Surrogate: 2,4,6-Tribromophenol	5230		ug/kg	6670		78	35-120			
Surrogate: Nitrobenzene-d5	2240		ug/kg	3330		67	30-120			
Surrogate: 2-Fluorobiphenyl	2470		ug/kg	3330		74	35-120			
Surrogate: Terphenyl-d14	2750		ug/kg	3330		83	35-155			
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F18039-MSD1)</b>					<b>Source: INF0941-06</b>					
Acenaphthene	2640	330	ug/kg	3330	ND	79	45-120	0	20	
Acenaphthylene	2660	330	ug/kg	3330	ND	80	45-120	0	20	
Aniline	1840	420	ug/kg	3330	ND	55	30-120	13	25	
Anthracene	3000	330	ug/kg	3330	ND	90	55-120	2	20	
Benzidine	1270	660	ug/kg	3330	ND	38	10-180	50	25	R
Benzoic acid	1000	830	ug/kg	3330	ND	30	20-125	10	25	
Benzo(a)anthracene	3020	330	ug/kg	3330	ND	91	55-120	2	20	
Benzo(b)fluoranthene	3450	330	ug/kg	3330	ND	104	65-120	3	20	
Benzo(k)fluoranthene	3360	330	ug/kg	3330	ND	101	55-120	2	20	
Benzo(g,h,i)perylene	3790	330	ug/kg	3330	ND	114	25-160	11	25	
Benzo(a)pyrene	3580	330	ug/kg	3330	ND	108	60-120	3	20	
Benzyl alcohol	2510	330	ug/kg	3330	ND	75	40-130	8	25	
Bis(2-chloroethoxy)methane	2230	330	ug/kg	3330	ND	67	45-120	7	20	
Bis(2-chloroethyl)ether	1980	170	ug/kg	3330	ND	59	40-120	11	25	
Bis(2-chloroisopropyl)ether	2020	330	ug/kg	3330	ND	61	40-120	11	25	

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**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: 4F18039 Extracted: 06/18/04</b>										
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F18039-MSD1)</b>					<b>Source: INF0941-06</b>					
Bis(2-ethylhexyl)phthalate	3430	330	ug/kg	3330	ND	103	60-135	4	20	
4-Bromophenyl phenyl ether	2690	330	ug/kg	3330	ND	81	50-125	0	20	
Butyl benzyl phthalate	3210	330	ug/kg	3330	ND	96	55-150	5	20	
4-Chloroaniline	1910	330	ug/kg	3330	ND	57	20-120	39	25	R
2-Chloronaphthalene	2620	330	ug/kg	3330	ND	79	55-120	1	20	
4-Chloro-3-methylphenol	2690	330	ug/kg	3330	ND	81	45-125	3	20	
2-Chlorophenol	2270	330	ug/kg	3330	ND	68	40-120	8	20	
4-Chlorophenyl phenyl ether	2850	330	ug/kg	3330	ND	86	55-120	2	20	
Chrysene	3230	330	ug/kg	3330	ND	97	60-120	2	20	
Dibenz(a,h)anthracene	3930	420	ug/kg	3330	ND	118	25-160	8	25	
Dibenzofuran	2760	330	ug/kg	3330	ND	83	55-120	0	20	
Di-n-butyl phthalate	3030	330	ug/kg	3330	ND	91	60-120	3	20	
1,3-Dichlorobenzene	1870	330	ug/kg	3330	ND	56	35-120	18	25	
1,4-Dichlorobenzene	1870	330	ug/kg	3330	ND	56	40-120	10	25	
1,2-Dichlorobenzene	1940	330	ug/kg	3330	ND	58	40-120	13	20	
3,3-Dichlorobenzidine	2250	830	ug/kg	3330	ND	68	20-170	27	25	R
2,4-Dichlorophenol	2430	330	ug/kg	3330	ND	73	40-120	4	20	
Diethyl phthalate	2980	330	ug/kg	3330	ND	89	55-120	2	20	
2,4-Dimethylphenol	2070	330	ug/kg	3330	ND	62	35-120	10	25	
Dimethyl phthalate	2860	330	ug/kg	3330	ND	86	50-120	2	20	
4,6-Dinitro-2-methylphenol	2420	420	ug/kg	3330	ND	73	40-120	2	20	
2,4-Dinitrophenol	1820	420	ug/kg	3330	ND	55	20-140	2	25	
2,4-Dinitrotoluene	3190	330	ug/kg	3330	ND	96	55-140	0	20	
2,6-Dinitrotoluene	3080	330	ug/kg	3330	ND	92	55-125	1	20	
Di-n-octyl phthalate	3590	330	ug/kg	3330	ND	108	45-140	3	20	
Fluoranthene	3020	330	ug/kg	3330	ND	91	45-130	4	20	
Fluorene	2850	330	ug/kg	3330	ND	86	55-120	3	20	
Hexachlorobenzene	2760	330	ug/kg	3330	ND	83	35-120	5	25	
Hexachlorobutadiene	1960	330	ug/kg	3330	ND	59	40-120	9	20	
Hexachlorocyclopentadiene	1810	830	ug/kg	3330	ND	54	30-145	10	30	
Hexachloroethane	1900	330	ug/kg	3330	ND	57	40-120	14	20	
Indeno(1,2,3-cd)pyrene	3890	330	ug/kg	3330	ND	117	25-150	10	25	
Isophorone	2300	330	ug/kg	3330	ND	69	40-120	6	20	
2-Methylnaphthalene	2380	330	ug/kg	3330	ND	71	40-120	5	20	
2-Methylphenol	2320	330	ug/kg	3330	ND	70	40-120	11	20	

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## 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: 4F18039 Extracted: 06/18/04</b>										
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F18039-MSD1)</b>					<b>Source: INF0941-06</b>					
4-Methylphenol	2520	330	ug/kg	3330	ND	76	40-120	7	20	
Naphthalene	2280	330	ug/kg	3330	ND	68	40-120	7	20	
2-Nitroaniline	2920	330	ug/kg	3330	ND	88	55-130	1	20	
3-Nitroaniline	2630	330	ug/kg	3330	ND	79	40-140	17	25	
4-Nitroaniline	3330	830	ug/kg	3330	ND	100	40-160	2	20	
Nitrobenzene	2090	330	ug/kg	3330	ND	63	45-120	8	20	
2-Nitrophenol	2350	330	ug/kg	3330	ND	71	40-120	7	20	
4-Nitrophenol	1870	830	ug/kg	3330	ND	56	35-135	17	25	
N-Nitrosodiphenylamine	2870	330	ug/kg	3330	ND	86	55-120	2	20	
N-Nitroso-di-n-propylamine	2380	250	ug/kg	3330	ND	71	40-120	8	20	
Pentachlorophenol	2140	830	ug/kg	3330	ND	64	40-120	0	20	
Phenanthrene	2830	330	ug/kg	3330	ND	85	55-120	2	20	
Phenol	2180	330	ug/kg	3330	ND	65	40-120	8	20	
Pyrene	3020	330	ug/kg	3330	ND	91	50-120	4	20	
1,2,4-Trichlorobenzene	2100	330	ug/kg	3330	ND	63	45-120	8	20	
2,4,5-Trichlorophenol	2750	330	ug/kg	3330	ND	83	55-120	3	20	
2,4,6-Trichlorophenol	2700	330	ug/kg	3330	ND	81	40-120	1	20	
1,2-Diphenylhydrazine/Azobenzene	3200	330	ug/kg	3330	ND	96	60-120	2	20	
Surrogate: 2-Fluorophenol	4090		ug/kg	6670		61	25-120			
Surrogate: Phenol-d6	4270		ug/kg	6670		64	30-120			
Surrogate: 2,4,6-Tribromophenol	5330		ug/kg	6670		80	35-120			
Surrogate: Nitrobenzene-d5	2060		ug/kg	3330		62	30-120			
Surrogate: 2-Fluorobiphenyl	2450		ug/kg	3330		74	35-120			
Surrogate: Terphenyl-d14	2860		ug/kg	3330		86	35-155			

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## 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: 4F20032 Extracted: 06/20/04</b>										
<b>Blank Analyzed: 06/21/04 (4F20032-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-m-xylene	23.3		ug/kg	33.3		70	35-115			
Surrogate: Decachlorobiphenyl	31.9		ug/kg	33.3		96	45-125			
<b>LCS Analyzed: 06/21/04 (4F20032-BS1)</b>										
Aldrin	24.1	5.0	ug/kg	33.3		72	50-115			
alpha-BHC	25.5	5.0	ug/kg	33.3		77	55-115			
beta-BHC	26.0	5.0	ug/kg	33.3		78	55-115			
delta-BHC	27.3	10	ug/kg	33.3		82	60-115			
gamma-BHC (Lindane)	25.9	5.0	ug/kg	33.3		78	55-115			
4,4'-DDD	29.0	5.0	ug/kg	33.3		87	65-115			
4,4'-DDE	27.5	5.0	ug/kg	33.3		83	65-115			
4,4'-DDT	27.7	5.0	ug/kg	33.3		83	70-125			
Dieldrin	27.0	5.0	ug/kg	33.3		81	65-115			
Endosulfan I	27.4	5.0	ug/kg	33.3		82	60-115			
Endosulfan II	28.1	5.0	ug/kg	33.3		84	70-115			
Endosulfan sulfate	30.7	10	ug/kg	33.3		92	65-115			

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## 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: 4F20032 Extracted: 06/20/04</b>										
<b>LCS Analyzed: 06/21/04 (4F20032-BS1)</b>										
Endrin	28.9	5.0	ug/kg	33.3		87	70-115			
Endrin aldehyde	26.7	5.0	ug/kg	33.3		80	55-115			
Endrin ketone	29.6	5.0	ug/kg	33.3		89	65-115			
Heptachlor	24.4	5.0	ug/kg	33.3		73	50-115			
Heptachlor epoxide	26.6	5.0	ug/kg	33.3		80	60-115			
Methoxychlor	27.6	5.0	ug/kg	33.3		83	65-125			
Surrogate: Tetrachloro- <i>m</i> -xylene	23.8		ug/kg	33.3		71	35-115			
Surrogate: Decachlorobiphenyl	32.4		ug/kg	33.3		97	45-125			
<b>Matrix Spike Analyzed: 06/22/04 (4F20032-MS1)</b>										
					<b>Source: INF0914-35</b>					
Aldrin	30.4	10	ug/kg	33.3	ND	91	50-115			
alpha-BHC	29.8	10	ug/kg	33.3	2.2	83	40-130			
beta-BHC	31.2	10	ug/kg	33.3	1.6	89	35-125			
delta-BHC	35.5	20	ug/kg	33.3	1.2	103	50-140			
gamma-BHC (Lindane)	30.6	10	ug/kg	33.3	0.44	91	50-115			
4,4'-DDD	53.3	10	ug/kg	33.3	ND	160	40-140			MI
4,4'-DDE	127	10	ug/kg	33.3	42	255	45-120			MI
4,4'-DDT	91.9	10	ug/kg	33.3	41	153	55-125			MI
Dieldrin	40.3	10	ug/kg	33.3	0.61	119	45-130			
Endosulfan I	39.3	10	ug/kg	33.3	ND	118	50-120			
Endosulfan II	41.3	10	ug/kg	33.3	ND	124	50-125			
Endosulfan sulfate	51.9	20	ug/kg	33.3	3.6	145	40-140			MI
Endrin	41.0	10	ug/kg	33.3	2.1	117	50-140			
Endrin aldehyde	33.4	10	ug/kg	33.3	ND	100	35-135			
Endrin ketone	46.6	10	ug/kg	33.3	ND	140	50-135			MI
Heptachlor	28.8	10	ug/kg	33.3	ND	86	45-120			
Heptachlor epoxide	32.8	10	ug/kg	33.3	ND	98	40-120			
Methoxychlor	33.6	10	ug/kg	33.3	ND	101	40-150			
Surrogate: Tetrachloro- <i>m</i> -xylene	26.8		ug/kg	33.3		80	35-115			
Surrogate: Decachlorobiphenyl	38.3		ug/kg	33.3		115	45-125			

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## 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: 4F20032 Extracted: 06/20/04</b>										
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F20032-MSD1)</b>					<b>Source: INF0914-35</b>					
Aldrin	28.8	10	ug/kg	33.3	ND	86	50-115	5	25	
alpha-BHC	27.6	10	ug/kg	33.3	2.2	76	40-130	8	25	
beta-BHC	30.3	10	ug/kg	33.3	1.6	86	35-125	3	25	
delta-BHC	34.3	20	ug/kg	33.3	1.2	99	50-140	3	20	
gamma-BHC (Lindane)	29.3	10	ug/kg	33.3	0.44	87	50-115	4	25	
4,4'-DDD	51.7	10	ug/kg	33.3	ND	155	40-140	3	25	MI
4,4'-DDE	123	10	ug/kg	33.3	42	243	45-120	3	20	MI
4,4'-DDT	89.6	10	ug/kg	33.3	41	146	55-125	3	25	MI
Dieldrin	38.7	10	ug/kg	33.3	0.61	114	45-130	4	25	
Endosulfan I	38.2	10	ug/kg	33.3	ND	115	50-120	3	25	
Endosulfan II	38.7	10	ug/kg	33.3	ND	116	50-125	6	25	
Endosulfan sulfate	49.5	20	ug/kg	33.3	3.6	138	40-140	5	25	
Endrin	40.3	10	ug/kg	33.3	2.1	115	50-140	2	25	
Endrin aldehyde	32.5	10	ug/kg	33.3	ND	98	35-135	3	20	
Endrin ketone	43.5	10	ug/kg	33.3	ND	131	50-135	7	25	
Heptachlor	28.5	10	ug/kg	33.3	ND	86	45-120	1	25	
Heptachlor epoxide	32.0	10	ug/kg	33.3	ND	96	40-120	2	25	
Methoxychlor	32.5	10	ug/kg	33.3	ND	98	40-150	3	25	
Surrogate: Tetrachloro-m-xylene	26.0		ug/kg	33.3		78	35-115			
Surrogate: Decachlorobiphenyl	35.9		ug/kg	33.3		108	45-125			

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



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

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F20032 Extracted: 06/20/04</b>										
<b>Blank Analyzed: 06/22/04 (4F20032-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	27.4		ug/kg	33.3		82	45-125			
<b>LCS Analyzed: 06/22/04 (4F20032-BS2)</b>										
Aroclor 1016	222	50	ug/kg	267		83	60-115			
Aroclor 1260	208	50	ug/kg	267		78	60-115			
Surrogate: Decachlorobiphenyl	28.5		ug/kg	33.3		86	45-125			
<b>Matrix Spike Analyzed: 06/22/04 (4F20032-MS2)</b>					<b>Source: INF0941-03</b>					
Aroclor 1016	236	50	ug/kg	267	ND	88	55-120			
Aroclor 1260	219	50	ug/kg	267	ND	82	55-115			
Surrogate: Decachlorobiphenyl	29.2		ug/kg	33.3		88	45-125			
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F20032-MSD2)</b>					<b>Source: INF0941-03</b>					
Aroclor 1016	231	50	ug/kg	267	ND	87	55-120	2	25	
Aroclor 1260	214	50	ug/kg	267	ND	80	55-115	2	25	
Surrogate: Decachlorobiphenyl	28.5		ug/kg	33.3		86	45-125			

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17073 Extracted: 06/17/04</b>									
<b>Blank Analyzed: 06/19/04 (4F17073-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: 06/19/04 (4F17073-BS1)</b>									
Antimony	46.6	10	mg/kg	50.0		93	80-120		
Arsenic	46.2	2.0	mg/kg	50.0		92	80-120		
Barium	47.5	1.0	mg/kg	50.0		95	80-120		
Beryllium	46.9	0.50	mg/kg	50.0		94	80-120		
Cadmium	46.2	0.50	mg/kg	50.0		92	80-120		
Chromium	47.1	1.0	mg/kg	50.0		94	80-120		
Cobalt	45.4	1.0	mg/kg	50.0		91	80-120		
Copper	46.3	2.0	mg/kg	50.0		93	80-120		
Lead	47.9	2.0	mg/kg	50.0		96	80-120		
Molybdenum	45.5	2.0	mg/kg	50.0		91	80-120		
Nickel	47.0	2.0	mg/kg	50.0		94	80-120		
Selenium	45.0	2.0	mg/kg	50.0		90	80-120		
Silver	23.1	1.0	mg/kg	25.0		92	80-120		
Thallium	44.2	10	mg/kg	50.0		88	80-120		
Vanadium	45.8	1.0	mg/kg	50.0		92	80-120		
Zinc	45.8	5.0	mg/kg	50.0		92	80-120		

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 Project Manager

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 Huntington Beach, CA 92648  
 Attention: Mike Reardon

Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17073 Extracted: 06/17/04</b>										
<b>Matrix Spike Analyzed: 06/19/04 (4F17073-MS1)</b>					<b>Source: INF0941-01</b>					
Antimony	39.4	10	mg/kg	50.0	ND	79	75-125			
Arsenic	46.8	2.0	mg/kg	50.0	ND	94	75-125			
Barium	62.3	1.0	mg/kg	50.0	16	93	75-125			
Beryllium	46.4	0.50	mg/kg	50.0	0.11	93	75-125			
Cadmium	46.0	0.50	mg/kg	50.0	0.088	92	75-125			
Chromium	63.4	1.0	mg/kg	50.0	12	103	75-125			
Cobalt	46.2	1.0	mg/kg	50.0	1.3	90	75-125			
Copper	49.6	2.0	mg/kg	50.0	2.4	94	75-125			
Lead	49.2	2.0	mg/kg	50.0	1.6	95	75-125			
Molybdenum	45.6	2.0	mg/kg	50.0	0.56	90	75-125			
Nickel	56.0	2.0	mg/kg	50.0	7.1	98	75-125			
Selenium	44.7	2.0	mg/kg	50.0	ND	89	75-125			
Silver	23.1	1.0	mg/kg	25.0	ND	92	75-125			
Thallium	43.7	10	mg/kg	50.0	0.48	86	75-125			
Vanadium	53.6	1.0	mg/kg	50.0	10	87	75-125			
Zinc	55.0	5.0	mg/kg	50.0	9.5	91	75-125			
<b>Matrix Spike Dup Analyzed: 06/19/04 (4F17073-MSD1)</b>					<b>Source: INF0941-01</b>					
Antimony	38.5	10	mg/kg	50.0	ND	77	75-125	2	20	
Arsenic	47.2	2.0	mg/kg	50.0	ND	94	75-125	1	20	
Barium	63.3	1.0	mg/kg	50.0	16	95	75-125	2	20	
Beryllium	46.8	0.50	mg/kg	50.0	0.11	93	75-125	1	20	
Cadmium	45.9	0.50	mg/kg	50.0	0.088	92	75-125	0	20	
Chromium	68.2	1.0	mg/kg	50.0	12	112	75-125	7	20	
Cobalt	46.0	1.0	mg/kg	50.0	1.3	89	75-125	0	20	
Copper	49.3	2.0	mg/kg	50.0	2.4	94	75-125	1	20	
Lead	49.6	2.0	mg/kg	50.0	1.6	96	75-125	1	20	
Molybdenum	46.2	2.0	mg/kg	50.0	0.56	91	75-125	1	20	
Nickel	58.0	2.0	mg/kg	50.0	7.1	102	75-125	4	20	
Selenium	44.8	2.0	mg/kg	50.0	ND	90	75-125	0	20	
Silver	22.9	1.0	mg/kg	25.0	ND	92	75-125	1	20	
Thallium	44.8	10	mg/kg	50.0	0.48	89	75-125	2	20	
Vanadium	53.8	1.0	mg/kg	50.0	10	88	75-125	0	20	
Zinc	54.1	5.0	mg/kg	50.0	9.5	89	75-125	2	20	

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 Kathleen A. Robb For Amanda Cordova  
 Project Manager

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Project ID: S130202131

Report Number: INF0940

Sampled: 06/15/04  
 Received: 06/15/04

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F21063 Extracted: 06/21/04</b>										
<b>Blank Analyzed: 06/21/04 (4F21063-BLK1)</b>										
Mercury	ND	0.020	mg/kg							
<b>LCS Analyzed: 06/21/04 (4F21063-BS1)</b>										
Mercury	0.790	0.020	mg/kg	0.800		99	85-120			
<b>Matrix Spike Analyzed: 06/21/04 (4F21063-MS1)</b>										
Mercury	0.835	0.020	mg/kg	0.800	ND	104	65-135			
<b>Matrix Spike Dup Analyzed: 06/21/04 (4F21063-MSD1)</b>										
Mercury	0.836	0.020	mg/kg	0.800	ND	104	65-135	0	20	
<b>Batch: 4F22078 Extracted: 06/22/04</b>										
<b>Blank Analyzed: 06/22/04 (4F22078-BLK1)</b>										
Mercury	ND	0.020	mg/kg							
<b>LCS Analyzed: 06/22/04 (4F22078-BS1)</b>										
Mercury	0.813	0.020	mg/kg	0.800		102	85-120			
<b>Matrix Spike Analyzed: 06/22/04 (4F22078-MS1)</b>										
Mercury	0.994	0.020	mg/kg	0.800	0.040	119	65-135			
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F22078-MSD1)</b>										
Mercury	0.913	0.020	mg/kg	0.800	0.040	109	65-135	8	20	

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## 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 Limit	Data Qualifiers
<b>Batch: 4F21080 Extracted: 06/21/04</b>										
<b>Blank Analyzed: 06/24/04 (4F21080-BLK1)</b>										
Organic Lead	ND	50	ug/kg							
<b>LCS Analyzed: 06/24/04 (4F21080-BS1)</b>										
Organic Lead	105	50	ug/kg	100		105	80-120			
<b>Matrix Spike Analyzed: 06/24/04 (4F21080-MS1)</b>										
Organic Lead	95.3	50	ug/kg	100	ND	95	80-120			
<b>Matrix Spike Dup Analyzed: 06/24/04 (4F21080-MSD1)</b>										
Organic Lead	88.1	50	ug/kg	100	ND	88	80-120	8	20	

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## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F16074 Extracted: 06/16/04</b>										
<b>Duplicate Analyzed: 06/16/04 (4F16074-DUP1)</b>										
pH	8.51	NA	pH Units		8.50			0	5	
<b>Batch: 4F16075 Extracted: 06/16/04</b>										
<b>Blank Analyzed: 06/22/04 (4F16075-BLK1)</b>										
Chromium VI	ND	0.20	mg/kg							
<b>LCS Analyzed: 06/22/04 (4F16075-BS1)</b>										
Chromium VI	4.48	0.20	mg/kg	5.00		90	65-110			
<b>Matrix Spike Analyzed: 06/22/04 (4F16075-MS1)</b>										
Chromium VI	3.00	0.20	mg/kg	5.00	0.091	58	55-110			
<b>Matrix Spike Dup Analyzed: 06/22/04 (4F16075-MSD1)</b>										
Chromium VI	2.85	0.20	mg/kg	5.00	0.091	55	55-110	5	20	
<b>Batch: 4F17051 Extracted: 06/17/04</b>										
<b>Blank Analyzed: 06/17/04 (4F17051-BLK1)</b>										
Oil & Grease	ND	5.0	mg/kg							
<b>LCS Analyzed: 06/17/04 (4F17051-BS1)</b>										
Oil & Grease	17.3	5.0	mg/kg	20.0		86	55-130			
<b>Matrix Spike Analyzed: 06/17/04 (4F17051-MS1)</b>										
Oil & Grease	50.1	5.0	mg/kg	20.0	45	25	35-130			M2

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## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F17051 Extracted: 06/17/04</b>										
<b>Matrix Spike Dup Analyzed: 06/17/04 (4F17051-MSD1)</b>					<b>Source: INF0844-04</b>					
Oil & Grease	62.5	5.0	mg/kg	20.0	45	88	35-130	22	25	

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2100 Main Street, Suite 150  
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## DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- C-7** Calibration Verification recovery was below the method control limit due to matrix interference carried over from analytical samples. The matrix interference was confirmed by reanalysis with the same result.
- 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).
- 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-2** The RPD exceeded the method control limit.
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- R-7** LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
- RL-1** Reporting limit raised due to sample matrix effects.
- RL-2** Reporting limit raised due to high concentrations of hydrocarbons.
- Z** Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

## ADDITIONAL COMMENTS

### For 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.

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## 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	X	X
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**  
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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851  
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-8596 FAX (619) 505-9689

# CHAIN OF CUSTODY FORM

Client Name/Address: <b>GeoSyntec</b> 2100 main St. #150 HB-CA 92648		Project/PO Number: <b>Ascom Soils</b> SBUT02/31		Analysis Required		Special Instructions
Project Manager: <b>Mike Reardon</b>		Phone Number: (714) 969-0860		EPA 9095		
Sampler: <b>Duynh Tukat</b>		Fax Number: (714) 969-0820		Project List		Composite as PNL-PB1
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	
PNL-PB1-10	Soil	SS Ring	1	6-15-04	0853	NMC
PNL-PB1-22	Soil	SSring	1	6-15-04	09:05	NA
PNL-PB1-23.5-EC	Soil	Encore	3	6-15-04	09:15	NA
PNL-PA1-17-EC					1039	
PNL-PA1-19-EC					1043	
PNL-PA1-21-EC					1048	
PNL-PA1-22		SSring	1		1049	
PNL-PA1-16					1030	
PNL-PA1-20.5					1044	
PNL-PA1-23.5					1052	
PNL-PA1-12.5					1037	
PNL-PA1-19.5					1040	
PNL-PH1-7-EC	Soil	Encore	3	6-15-04	1235	N/A
PNL-PH1-8.5-EC	Soil	Encore	3	6-15-04	1240	N/A

  

Relinquished By:	Date/Time:	Received by:	Date/Time:	Turnaround Time: (Check)
<i>Sammy Dwyer</i>	6-15-04	<i>Sammy Dwyer</i>	06/15/2004 @ 16:00	72 hours
<i>Sam J. G.</i>	06/15/2004 @ 16:16	<i>Rebecca Thompson</i>	RECEIVED: Leon office 6-15-04 1650	5 days
<i>Rebecca Thompson</i>	6-15-04 1730	<i>Sam J. G.</i>	6/15/04 1730	normal

Sample Integrity: (Check)  intact  on ice 4

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.



INFO 844

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