



LABORATORY REPORT

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

Project: Ascon - Soils  
SB0202/31

Sampled: 05/24/04  
Received: 05/24/04  
Issued: 06/09/04 18:05

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

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

CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 7°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: No significant observations were made.
- SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
INE1447-01	PNL-L5A	Soil
INE1447-02	PNL-L4B	Soil
INE1447-03	PNL-L4A	Soil

Reviewed By:

Del Mar Analytical, Irvine  
Amanda Cordova  
Project Manager



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

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SB0202/31  
Report Number: INE1447

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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: INE1447-01 (PNL-L5A - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4E26048	600	<b>25000</b>	20	5/26/2004	5/26/2004	
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4E26048	600	<b>40000</b>	20	5/26/2004	5/26/2004	
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
Reporting Units: mg/kg								
<b>Total Recoverable Hydrocarbons</b>	EPA 418.1	4E26048	600	<b>32000</b>	20	5/26/2004	5/26/2004	

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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: INE1447-01 (PNL-L5A - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4E25063	2500	ND	500	5/25/2004	6/3/2004	
<b>DRO/ORO (C13 - C40)</b>	EPA 8015B MOD.	4E25063	2500	<b>18000</b>	500	5/25/2004	6/3/2004	
<b>EFH (C6 - C40)</b>	EPA 8015B MOD.	4E25063	2500	<b>20000</b>	500	5/25/2004	6/3/2004	
<i>Surrogate: n-Octacosane (50-125%)</i>				577 %				Z3
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4E25063	2500	<b>3600</b>	500	5/25/2004	6/3/2004	
<b>DRO/ORO (C13 - C40)</b>	EPA 8015B MOD.	4E25063	2500	<b>29000</b>	500	5/25/2004	6/3/2004	
<b>EFH (C6 - C40)</b>	EPA 8015B MOD.	4E25063	2500	<b>33000</b>	500	5/25/2004	6/3/2004	
<i>Surrogate: n-Octacosane (50-125%)</i>				1080 %				Z3
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4E25063	2500	ND	500	5/25/2004	6/3/2004	
<b>DRO/ORO (C13 - C40)</b>	EPA 8015B MOD.	4E25063	2500	<b>24000</b>	500	5/25/2004	6/3/2004	
<b>EFH (C6 - C40)</b>	EPA 8015B MOD.	4E25063	2500	<b>26000</b>	500	5/25/2004	6/3/2004	
<i>Surrogate: n-Octacosane (50-125%)</i>				947 %				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: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4E28004	20	<b>210</b>	10	5/28/2004	5/28/2004	
Bromobenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Bromochloromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Bromodichloromethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Bromoform	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Bromomethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
<b>n-Butylbenzene</b>	EPA 8260B	4E28004	50	<b>700</b>	10	5/28/2004	5/28/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4E28004	50	<b>570</b>	10	5/28/2004	5/28/2004	
tert-Butylbenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Carbon tetrachloride	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Chlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Chloroethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Chloroform	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Chloromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
2-Chlorotoluene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
4-Chlorotoluene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Dibromochloromethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Dibromomethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dichlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,3-Dichlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,4-Dichlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Dichlorodifluoromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,1-Dichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1-Dichloroethene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
cis-1,2-Dichloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
trans-1,2-Dichloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dichloropropane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,3-Dichloropropane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
2,2-Dichloropropane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1-Dichloropropene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
cis-1,3-Dichloropropene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
trans-1,3-Dichloropropene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
<b>Ethylbenzene</b>	EPA 8260B	4E28004	20	<b>1600</b>	10	5/28/2004	5/28/2004	
Hexachlorobutadiene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4E28004	20	<b>1200</b>	10	5/28/2004	5/28/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4E28004	20	<b>510</b>	10	5/28/2004	5/28/2004	
Methylene chloride	EPA 8260B	4E28004	200	ND	10	5/28/2004	5/28/2004	
<b>Naphthalene</b>	EPA 8260B	4E28004	50	<b>1200</b>	10	5/28/2004	5/28/2004	

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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: INE1447-01 (PNL-L5A - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4E28004	20	<b>1700</b>	10	5/28/2004	5/28/2004	
Styrene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Tetrachloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
<b>Toluene</b>	EPA 8260B	4E28004	20	<b>62</b>	10	5/28/2004	5/28/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,1,1-Trichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1,2-Trichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Trichloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Trichlorofluoromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,2,3-Trichloropropane	EPA 8260B	4E28004	100	ND	10	5/28/2004	5/28/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4E28004	20	<b>2100</b>	10	5/28/2004	5/28/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4E28004	20	<b>570</b>	10	5/28/2004	5/28/2004	
Vinyl chloride	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
<b>o-Xylene</b>	EPA 8260B	4E28004	20	<b>810</b>	10	5/28/2004	5/28/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4E28004	20	<b>1700</b>	10	5/28/2004	5/28/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>104 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>103 %</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: INE1447-02 (PNL-L4B - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4E28004	20	<b>360</b>	10	5/28/2004	5/28/2004	
Bromobenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Bromochloromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Bromodichloromethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Bromoform	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Bromomethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
n-Butylbenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4E28004	50	<b>320</b>	10	5/28/2004	5/28/2004	
tert-Butylbenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Carbon tetrachloride	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Chlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Chloroethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Chloroform	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Chloromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
2-Chlorotoluene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
4-Chlorotoluene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
Dibromochloromethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Dibromomethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dichlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,3-Dichlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,4-Dichlorobenzene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Dichlorodifluoromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,1-Dichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1-Dichloroethene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
cis-1,2-Dichloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
trans-1,2-Dichloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,2-Dichloropropane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,3-Dichloropropane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
2,2-Dichloropropane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1-Dichloropropene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
cis-1,3-Dichloropropene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
trans-1,3-Dichloropropene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
<b>Ethylbenzene</b>	EPA 8260B	4E28004	20	<b>1200</b>	10	5/28/2004	5/28/2004	
Hexachlorobutadiene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4E28004	20	<b>570</b>	10	5/28/2004	5/28/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4E28004	20	<b>560</b>	10	5/28/2004	5/28/2004	
Methylene chloride	EPA 8260B	4E28004	200	ND	10	5/28/2004	5/28/2004	
<b>Naphthalene</b>	EPA 8260B	4E28004	50	<b>1500</b>	10	5/28/2004	5/28/2004	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-02 (PNL-L4B - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4E28004	20	<b>900</b>	10	5/28/2004	5/28/2004	
Styrene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Tetrachloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
<b>Toluene</b>	EPA 8260B	4E28004	20	<b>20</b>	10	5/28/2004	5/28/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,1,1-Trichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
1,1,2-Trichloroethane	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Trichloroethene	EPA 8260B	4E28004	20	ND	10	5/28/2004	5/28/2004	
Trichlorofluoromethane	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
1,2,3-Trichloropropane	EPA 8260B	4E28004	100	ND	10	5/28/2004	5/28/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4E28004	20	<b>1600</b>	10	5/28/2004	5/28/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4E28004	20	<b>580</b>	10	5/28/2004	5/28/2004	
Vinyl chloride	EPA 8260B	4E28004	50	ND	10	5/28/2004	5/28/2004	
<b>o-Xylene</b>	EPA 8260B	4E28004	20	<b>32</b>	10	5/28/2004	5/28/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4E28004	20	<b>1100</b>	10	5/28/2004	5/28/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				96 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				106 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				101 %				

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<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
<b>Benzene</b>	EPA 8260B	4E28013	100	<b>200</b>	100	5/28/2004	5/29/2004	
Bromobenzene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Bromochloromethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Bromodichloromethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Bromoform	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Bromomethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
n-Butylbenzene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
<b>sec-Butylbenzene</b>	EPA 8260B	4E28013	250	<b>830</b>	100	5/28/2004	5/29/2004	
tert-Butylbenzene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Carbon tetrachloride	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Chlorobenzene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Chloroethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Chloroform	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Chloromethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
2-Chlorotoluene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
4-Chlorotoluene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
Dibromochloromethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Dibromomethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,2-Dichlorobenzene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,3-Dichlorobenzene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,4-Dichlorobenzene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Dichlorodifluoromethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
1,1-Dichloroethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,2-Dichloroethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,1-Dichloroethene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
cis-1,2-Dichloroethene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
trans-1,2-Dichloroethene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,2-Dichloropropane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,3-Dichloropropane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
2,2-Dichloropropane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,1-Dichloropropene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
cis-1,3-Dichloropropene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
trans-1,3-Dichloropropene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
<b>Ethylbenzene</b>	EPA 8260B	4E28013	100	<b>2000</b>	100	5/28/2004	5/29/2004	
Hexachlorobutadiene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
<b>Isopropylbenzene</b>	EPA 8260B	4E28013	100	<b>1300</b>	100	5/28/2004	5/29/2004	
<b>p-Isopropyltoluene</b>	EPA 8260B	4E28013	100	<b>1000</b>	100	5/28/2004	5/29/2004	
Methylene chloride	EPA 8260B	4E28013	1000	ND	100	5/28/2004	5/29/2004	
<b>Naphthalene</b>	EPA 8260B	4E28013	250	<b>2400</b>	100	5/28/2004	5/29/2004	

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 SB0202/31  
 Report Number: INE1447

Sampled: 05/24/04  
 Received: 05/24/04

### 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: INE1447-03 (PNL-L4A - Soil) - cont.</b>								
<b>Reporting Units: ug/kg</b>								
<b>n-Propylbenzene</b>	EPA 8260B	4E28013	100	<b>2200</b>	100	5/28/2004	5/29/2004	
Styrene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Tetrachloroethene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
<b>Toluene</b>	EPA 8260B	4E28013	100	<b>190</b>	100	5/28/2004	5/29/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
1,1,1-Trichloroethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
1,1,2-Trichloroethane	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Trichloroethene	EPA 8260B	4E28013	100	ND	100	5/28/2004	5/29/2004	
Trichlorofluoromethane	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
1,2,3-Trichloropropane	EPA 8260B	4E28013	500	ND	100	5/28/2004	5/29/2004	
<b>1,2,4-Trimethylbenzene</b>	EPA 8260B	4E28013	100	<b>4700</b>	100	5/28/2004	5/29/2004	
<b>1,3,5-Trimethylbenzene</b>	EPA 8260B	4E28013	100	<b>1600</b>	100	5/28/2004	5/29/2004	
Vinyl chloride	EPA 8260B	4E28013	250	ND	100	5/28/2004	5/29/2004	
<b>o-Xylene</b>	EPA 8260B	4E28013	100	<b>1300</b>	100	5/28/2004	5/29/2004	
<b>m,p-Xylenes</b>	EPA 8260B	4E28013	100	<b>2900</b>	100	5/28/2004	5/29/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				63 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				68 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				65 %				

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Received: 05/24/04

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: INE1447-01 (PNL-L5A - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Acenaphthylene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Aniline	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/28/2004	
Anthracene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Benzidine	EPA 8270C	4E25044	40000	ND	60	5/25/2004	5/28/2004	
Benzoic acid	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/28/2004	
Benzo(a)anthracene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Benzo(b)fluoranthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Benzo(k)fluoranthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Benzo(g,h,i)perylene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Benzo(a)pyrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Benzyl alcohol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4E25044	10000	ND	60	5/25/2004	5/28/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Butyl benzyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Chloroaniline	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2-Chloronaphthalene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Chloro-3-methylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2-Chlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Chrysene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Dibenz(a,h)anthracene	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/28/2004	
Dibenzofuran	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Di-n-butyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
1,3-Dichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
1,4-Dichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
1,2-Dichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
3,3-Dichlorobenzidine	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/28/2004	
2,4-Dichlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Diethyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2,4-Dimethylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Dimethyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/28/2004	
2,4-Dinitrophenol	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/28/2004	
2,4-Dinitrotoluene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2,6-Dinitrotoluene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Di-n-octyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Fluoranthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	

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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: INE1447-01 (PNL-L5A - Soil) - cont.</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Hexachlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Hexachlorobutadiene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Hexachlorocyclopentadiene	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/28/2004	
Hexachloroethane	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Isophorone	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2-Methylnaphthalene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2-Methylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Methylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Naphthalene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2-Nitroaniline	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
3-Nitroaniline	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Nitroaniline	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/28/2004	
Nitrobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2-Nitrophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
4-Nitrophenol	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/28/2004	
n-Nitrosodiphenylamine	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
n-Nitroso-di-n-propylamine	EPA 8270C	4E25044	15000	ND	60	5/25/2004	5/28/2004	
Pentachlorophenol	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/28/2004	
Phenanthrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Phenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
Pyrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2,4,5-Trichlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
2,4,6-Trichlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/28/2004	L
Surrogate: 2-Fluorophenol (25-120%)				86 %				Z3
Surrogate: Phenol-d6 (30-120%)				87 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				92 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				120 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				74 %				Z3

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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: INE1447-02 (PNL-L4B - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Acenaphthylene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Aniline	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/29/2004	
Anthracene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Benzidine	EPA 8270C	4E25044	40000	ND	60	5/25/2004	5/29/2004	
Benzoic acid	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/29/2004	
Benzo(a)anthracene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Benzo(b)fluoranthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Benzo(k)fluoranthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Benzo(g,h,i)perylene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Benzo(a)pyrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Benzyl alcohol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4E25044	10000	ND	60	5/25/2004	5/29/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Butyl benzyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Chloroaniline	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2-Chloronaphthalene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Chloro-3-methylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2-Chlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Chrysene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Dibenz(a,h)anthracene	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/29/2004	
Dibenzofuran	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Di-n-butyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
1,3-Dichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
1,4-Dichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
1,2-Dichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
3,3-Dichlorobenzidine	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/29/2004	
2,4-Dichlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Diethyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2,4-Dimethylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Dimethyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/29/2004	
2,4-Dinitrophenol	EPA 8270C	4E25044	25000	ND	60	5/25/2004	5/29/2004	
2,4-Dinitrotoluene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2,6-Dinitrotoluene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Di-n-octyl phthalate	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Fluoranthene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	

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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: INE1447-02 (PNL-L4B - Soil) - cont.</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Hexachlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Hexachlorobutadiene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Hexachlorocyclopentadiene	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/29/2004	
Hexachloroethane	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Isophorone	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2-Methylnaphthalene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2-Methylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Methylphenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Naphthalene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2-Nitroaniline	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
3-Nitroaniline	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Nitroaniline	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/29/2004	
Nitrobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2-Nitrophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
4-Nitrophenol	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/29/2004	
n-Nitrosodiphenylamine	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
n-Nitroso-di-n-propylamine	EPA 8270C	4E25044	15000	ND	60	5/25/2004	5/29/2004	
Pentachlorophenol	EPA 8270C	4E25044	50000	ND	60	5/25/2004	5/29/2004	
Phenanthrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Phenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
Pyrene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2,4,5-Trichlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
2,4,6-Trichlorophenol	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4E25044	20000	ND	60	5/25/2004	5/29/2004	L
Surrogate: 2-Fluorophenol (25-120%)				80 %				Z3
Surrogate: Phenol-d6 (30-120%)				84 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				96 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				114 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				81 %				Z3

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Project ID: Ascon - Soils  
 SB0202/31  
 Report Number: INE1447

Sampled: 05/24/04  
 Received: 05/24/04

### 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: INE1447-03 (PNL-L4A - Soil)</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Acenaphthene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Acenaphthylene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Aniline	EPA 8270C	4E26067	13000	ND	30	5/26/2004	5/28/2004	
Anthracene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Benzidine	EPA 8270C	4E26067	20000	ND	30	5/26/2004	5/28/2004	
Benzoic acid	EPA 8270C	4E26067	25000	ND	30	5/26/2004	5/28/2004	
Benzo(a)anthracene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Benzo(b)fluoranthene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Benzo(k)fluoranthene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Benzo(g,h,i)perylene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Benzo(a)pyrene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Benzyl alcohol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4E26067	5000	ND	30	5/26/2004	5/28/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	C
Bis(2-ethylhexyl)phthalate	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Butyl benzyl phthalate	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Chloroaniline	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2-Chloronaphthalene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Chloro-3-methylphenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2-Chlorophenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Chrysene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Dibenz(a,h)anthracene	EPA 8270C	4E26067	13000	ND	30	5/26/2004	5/28/2004	
Dibenzofuran	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Di-n-butyl phthalate	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
1,3-Dichlorobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
1,4-Dichlorobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
1,2-Dichlorobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
3,3-Dichlorobenzidine	EPA 8270C	4E26067	25000	ND	30	5/26/2004	5/28/2004	
2,4-Dichlorophenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Diethyl phthalate	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2,4-Dimethylphenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Dimethyl phthalate	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4E26067	13000	ND	30	5/26/2004	5/28/2004	
2,4-Dinitrophenol	EPA 8270C	4E26067	13000	ND	30	5/26/2004	5/28/2004	
2,4-Dinitrotoluene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2,6-Dinitrotoluene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Di-n-octyl phthalate	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Fluoranthene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	

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Sampled: 05/24/04  
Received: 05/24/04

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: INE1447-03 (PNL-L4A - Soil) - cont.</b>								<b>RL-2</b>
<b>Reporting Units: ug/kg</b>								
Fluorene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Hexachlorobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Hexachlorobutadiene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Hexachlorocyclopentadiene	EPA 8270C	4E26067	25000	ND	30	5/26/2004	5/28/2004	
Hexachloroethane	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Isophorone	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2-Methylnaphthalene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2-Methylphenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Methylphenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Naphthalene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2-Nitroaniline	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
3-Nitroaniline	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Nitroaniline	EPA 8270C	4E26067	25000	ND	30	5/26/2004	5/28/2004	
Nitrobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2-Nitrophenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
4-Nitrophenol	EPA 8270C	4E26067	25000	ND	30	5/26/2004	5/28/2004	
n-Nitrosodiphenylamine	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
n-Nitroso-di-n-propylamine	EPA 8270C	4E26067	7500	ND	30	5/26/2004	5/28/2004	
Pentachlorophenol	EPA 8270C	4E26067	25000	ND	30	5/26/2004	5/28/2004	
Phenanthrene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Phenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
Pyrene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2,4,5-Trichlorophenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
2,4,6-Trichlorophenol	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4E26067	10000	ND	30	5/26/2004	5/28/2004	C, L
Surrogate: 2-Fluorophenol (25-120%)				73 %				Z3
Surrogate: Phenol-d6 (30-120%)				69 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				62 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				106 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				75 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				94 %				Z3

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 Report Number: INE1447

Sampled: 05/24/04  
 Received: 05/24/04

## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4E27084	10	ND	1	5/27/2004	5/29/2004	
Arsenic	EPA 6010B	4E27084	2.0	<b>8.3</b>	1	5/27/2004	5/29/2004	
Barium	EPA 6010B	4E27084	1.0	<b>860</b>	1	5/27/2004	5/29/2004	
Beryllium	EPA 6010B	4E27084	0.50	<b>0.54</b>	1	5/27/2004	5/29/2004	
Cadmium	EPA 6010B	4E27084	0.50	<b>0.56</b>	1	5/27/2004	5/29/2004	
Chromium	EPA 6010B	4E27084	1.0	<b>22</b>	1	5/27/2004	5/29/2004	
Cobalt	EPA 6010B	4E27084	1.0	<b>4.2</b>	1	5/27/2004	5/29/2004	
Copper	EPA 6010B	4E27084	2.0	<b>22</b>	1	5/27/2004	5/29/2004	
Lead	EPA 6010B	4E27084	2.0	<b>48</b>	1	5/27/2004	5/29/2004	
Mercury	EPA 7471A	4E25067	0.020	<b>0.057</b>	1	5/25/2004	5/25/2004	
Molybdenum	EPA 6010B	4E27084	2.0	ND	1	5/27/2004	5/29/2004	
Nickel	EPA 6010B	4E27084	2.0	<b>28</b>	1	5/27/2004	5/29/2004	
Selenium	EPA 6010B	4E27084	2.0	ND	1	5/27/2004	5/29/2004	
Silver	EPA 6010B	4E27084	1.0	ND	1	5/27/2004	5/29/2004	
Thallium	EPA 6010B	4E27084	10	ND	1	5/27/2004	5/29/2004	
Vanadium	EPA 6010B	4E27084	1.0	<b>27</b>	1	5/27/2004	5/29/2004	
Zinc	EPA 6010B	4E27084	5.0	<b>110</b>	1	5/27/2004	5/29/2004	

### Sample ID: INE1447-02 (PNL-L4B - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4E27084	10	ND	1	5/27/2004	5/29/2004	
Arsenic	EPA 6010B	4E27084	2.0	<b>8.6</b>	1	5/27/2004	5/29/2004	
Barium	EPA 6010B	4E27084	1.0	<b>300</b>	1	5/27/2004	5/29/2004	
Beryllium	EPA 6010B	4E27084	0.50	<b>0.69</b>	1	5/27/2004	5/29/2004	
Cadmium	EPA 6010B	4E27084	0.50	<b>0.53</b>	1	5/27/2004	5/29/2004	
Chromium	EPA 6010B	4E27084	1.0	<b>26</b>	1	5/27/2004	5/29/2004	
Cobalt	EPA 6010B	4E27084	1.0	<b>5.7</b>	1	5/27/2004	5/29/2004	
Copper	EPA 6010B	4E27084	2.0	<b>27</b>	1	5/27/2004	5/29/2004	
Lead	EPA 6010B	4E27084	2.0	<b>49</b>	1	5/27/2004	5/29/2004	
Mercury	EPA 7471A	4E25067	0.020	<b>0.43</b>	1	5/25/2004	5/25/2004	
Molybdenum	EPA 6010B	4E27084	2.0	ND	1	5/27/2004	5/29/2004	
Nickel	EPA 6010B	4E27084	2.0	<b>29</b>	1	5/27/2004	5/29/2004	
Selenium	EPA 6010B	4E27084	2.0	ND	1	5/27/2004	5/29/2004	
Silver	EPA 6010B	4E27084	1.0	ND	1	5/27/2004	5/29/2004	
Thallium	EPA 6010B	4E27084	10	ND	1	5/27/2004	5/29/2004	
Vanadium	EPA 6010B	4E27084	1.0	<b>36</b>	1	5/27/2004	5/29/2004	
Zinc	EPA 6010B	4E27084	5.0	<b>130</b>	1	5/27/2004	5/29/2004	

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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4E27084	10	ND	1	5/27/2004	5/29/2004	
Arsenic	EPA 6010B	4E27084	2.0	<b>46</b>	1	5/27/2004	5/29/2004	
Barium	EPA 6010B	4E27084	1.0	<b>2600</b>	1	5/27/2004	5/29/2004	
Beryllium	EPA 6010B	4E27084	0.50	ND	1	5/27/2004	5/29/2004	
Cadmium	EPA 6010B	4E27084	0.50	<b>3.1</b>	1	5/27/2004	5/29/2004	
Chromium	EPA 6010B	4E27084	1.0	<b>74</b>	1	5/27/2004	5/29/2004	
Cobalt	EPA 6010B	4E27084	1.0	<b>3.8</b>	1	5/27/2004	5/29/2004	
Copper	EPA 6010B	4E27084	2.0	<b>27</b>	1	5/27/2004	5/29/2004	
Lead	EPA 6010B	4E27084	2.0	<b>140</b>	1	5/27/2004	5/29/2004	
Mercury	EPA 7471A	4E25067	0.020	<b>0.23</b>	1	5/25/2004	5/25/2004	
Molybdenum	EPA 6010B	4E27084	2.0	<b>2.3</b>	1	5/27/2004	5/29/2004	
Nickel	EPA 6010B	4E27084	2.0	<b>32</b>	1	5/27/2004	5/29/2004	
Selenium	EPA 6010B	4E27084	2.0	ND	1	5/27/2004	5/29/2004	
Silver	EPA 6010B	4E27084	1.0	ND	1	5/27/2004	5/29/2004	
Thallium	EPA 6010B	4E27084	10	ND	1	5/27/2004	5/29/2004	
Vanadium	EPA 6010B	4E27084	1.0	<b>26</b>	1	5/27/2004	5/29/2004	
Zinc	EPA 6010B	4E27084	5.0	<b>120</b>	1	5/27/2004	5/29/2004	

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**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: INE1447-01 (PNL-L5A - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F01072	120	200	5	6/1/2004	6/2/2004	
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F01072	120	260	5	6/1/2004	6/2/2004	M1, M2
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F01072	2500	3700	100	6/1/2004	6/3/2004	

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## INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4E27077	0.20	ND	1	5/27/2004	5/27/2004	
Oil & Grease	EPA 413.2 MOD.	4F01041	1500	<b>55000</b>	300	6/1/2004	6/1/2004	
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4E28057	NA	Not Present	1	5/28/2004	5/28/2004	
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F01088	NA	Not Ignitable	1	6/1/2004	6/1/2004	
Reactivity with water	SW846 7.3.2.1	4F02087	1.0	ND	1	6/2/2004	6/2/2004	
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4E25053	NA	<b>7.91</b>	1	5/25/2004	5/25/2004	
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4E27077	0.20	ND	1	5/27/2004	5/27/2004	
Oil & Grease	EPA 413.2 MOD.	4F01041	600	<b>24000</b>	120	6/1/2004	6/1/2004	
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4E28057	NA	Not Present	1	5/28/2004	5/28/2004	
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F01088	NA	Not Ignitable	1	6/1/2004	6/1/2004	
Reactivity with water	SW846 7.3.2.1	4F02087	1.0	ND	1	6/2/2004	6/2/2004	
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4E25053	NA	<b>7.61</b>	1	5/25/2004	5/25/2004	
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Chromium VI	EPA 7199	4E27077	0.20	ND	1	5/27/2004	5/27/2004	
Oil & Grease	EPA 413.2 MOD.	4F01041	1500	<b>110000</b>	300	6/1/2004	6/1/2004	
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: ml</b>								
Paint Filter Liquids Test	SW-846 9095A	4E28057	NA	Not Present	1	5/28/2004	5/28/2004	
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: N/A</b>								
Ignitability	SW846 7.1.2	4F01088	NA	Not Ignitable	1	6/1/2004	6/1/2004	

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Project ID: Ascon - Soils  
SB0202/31  
Report Number: INE1447

Sampled: 05/24/04  
Received: 05/24/04

**INORGANICS**

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: N/A</b>								
Reactivity with water	SW846 7.3.2.1	4F02087	1.0	ND	1	6/2/2004	6/2/2004	
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: pH Units</b>								
pH	EPA 9045C	4E25053	NA	<b>7.97</b>	1	5/25/2004	5/25/2004	

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### Organochlorine Pesticides by EPA Method 8081A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
alpha-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
beta-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
delta-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
gamma-BHC (Lindane)	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Chlordane (tech)	EPA 8081A	4060037	1600	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDD	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDE	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDT	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Dieldrin	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan I	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan II	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan sulfate	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endrin	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Endrin aldehyde	EPA 8081A	4060037	330	ND	50	6/2/2004	6/4/2004	R-01
Heptachlor	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Heptachlor epoxide	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Methoxychlor	EPA 8081A	4060037	330	ND	50	6/2/2004	6/4/2004	R-01
Toxaphene	EPA 8081A	4060037	3300	ND	50	6/2/2004	6/4/2004	R-01
<i>Surrogate: Tetrachloro-meta-xylene (44-108%)</i>				38 %				S09
<i>Surrogate: Decachlorobiphenyl (46-115%)</i>				*				S08

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Sampled: 05/24/04  
 Received: 05/24/04

### Organochlorine Pesticides by EPA Method 8081A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
alpha-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
beta-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
delta-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
gamma-BHC (Lindane)	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Chlordane (tech)	EPA 8081A	4060037	1600	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDD	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDE	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDT	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Dieldrin	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan I	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan II	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan sulfate	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endrin	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Endrin aldehyde	EPA 8081A	4060037	330	ND	50	6/2/2004	6/4/2004	R-01
Heptachlor	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Heptachlor epoxide	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Methoxychlor	EPA 8081A	4060037	330	ND	50	6/2/2004	6/4/2004	R-01
Toxaphene	EPA 8081A	4060037	3300	ND	50	6/2/2004	6/4/2004	R-01
<i>Surrogate: Tetrachloro-meta-xylene (44-108%)</i>				39 %				S09
<i>Surrogate: Decachlorobiphenyl (46-115%)</i>				*				S08

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Sampled: 05/24/04  
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### Organochlorine Pesticides by EPA Method 8081A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
<b>Reporting Units: ug/kg</b>								
Aldrin	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
alpha-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
beta-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
delta-BHC	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
gamma-BHC (Lindane)	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Chlordane (tech)	EPA 8081A	4060037	1600	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDD	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
4,4'-DDE	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
<b>4,4'-DDT</b>	EPA 8081A	4060037	160	<b>210</b>	50	6/2/2004	6/4/2004	CF1, R-01
Dieldrin	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan I	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan II	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endosulfan sulfate	EPA 8081A	4060037	160	ND	50	6/2/2004	6/4/2004	R-01
Endrin	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Endrin aldehyde	EPA 8081A	4060037	330	ND	50	6/2/2004	6/4/2004	R-01
Heptachlor	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Heptachlor epoxide	EPA 8081A	4060037	85	ND	50	6/2/2004	6/4/2004	R-01
Methoxychlor	EPA 8081A	4060037	330	ND	50	6/2/2004	6/4/2004	R-01
Toxaphene	EPA 8081A	4060037	3300	ND	50	6/2/2004	6/4/2004	R-01
<i>Surrogate: Tetrachloro-meta-xylene (44-108%)</i>				57 %				
<i>Surrogate: Decachlorobiphenyl (46-115%)</i>				*				S08

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Sampled: 05/24/04  
Received: 05/24/04

**Polychlorinated Biphenyls by EPA Method 8082**

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: INE1447-01 (PNL-L5A - Soil)</b>								
Reporting Units: ug/kg								
PCB-1016	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1221	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1232	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1242	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1248	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1254	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1260	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
Surrogate: Decachlorobiphenyl (50-150%)				84 %				
<b>Sample ID: INE1447-02 (PNL-L4B - Soil)</b>								
Reporting Units: ug/kg								
PCB-1016	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1221	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1232	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1242	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1248	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1254	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1260	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
Surrogate: Decachlorobiphenyl (50-150%)				105 %				
<b>Sample ID: INE1447-03 (PNL-L4A - Soil)</b>								
Reporting Units: ug/kg								
<b>PCB-1016</b>	EPA 8082	4050358	20	<b>3500</b>	1	6/2/2004	6/2/2004	
PCB-1221	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1232	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1242	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
PCB-1248	EPA 8082	4050358	20	ND	1	6/2/2004	6/2/2004	
<b>PCB-1254</b>	EPA 8082	4050358	20	<b>56</b>	1	6/2/2004	6/2/2004	
<b>PCB-1260</b>	EPA 8082	4050358	20	<b>44</b>	1	6/2/2004	6/2/2004	
Surrogate: Decachlorobiphenyl (50-150%)				106 %				

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Report Number: INE1447

Sampled: 05/24/04  
Received: 05/24/04

**SHORT HOLD TIME DETAIL REPORT**

	<b>Hold Time (in days)</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>	<b>Date/Time Extracted</b>	<b>Date/Time Analyzed</b>
<b>Sample ID: PNL-L5A (INE1447-01) - Soil</b> EPA 9045C	1	05/24/2004 09:44	05/24/2004 17:10	05/25/2004 06:30	05/25/2004 08:30
<b>Sample ID: PNL-L4B (INE1447-02) - Soil</b> EPA 9045C	1	05/24/2004 10:55	05/24/2004 17:10	05/25/2004 06:30	05/25/2004 08:30
<b>Sample ID: PNL-L4A (INE1447-03) - Soil</b> EPA 9045C	1	05/24/2004 14:15	05/24/2004 17:10	05/25/2004 06:30	05/25/2004 08:30

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Sampled: 05/24/04  
 Received: 05/24/04

## 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: 4E26048 Extracted: 05/26/04</b>										
<b>Blank Analyzed: 05/26/04 (4E26048-BLK1)</b>										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
<b>LCS Analyzed: 05/26/04 (4E26048-BS1)</b>										
Total Recoverable Hydrocarbons	15.4	5.0	mg/kg	20.0		77	55-130			
<b>Matrix Spike Analyzed: 05/26/04 (4E26048-MS1)</b>										
Total Recoverable Hydrocarbons	6980	100	mg/kg	20.0	5800	5900	35-130			M-HA
<b>Matrix Spike Dup Analyzed: 05/26/04 (4E26048-MSD1)</b>										
Total Recoverable Hydrocarbons	9660	100	mg/kg	20.0	5800	19300	35-130	32	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	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25063 Extracted: 05/25/04</b>										
<b>Blank Analyzed: 05/27/04 (4E25063-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	4.94		mg/kg	6.67		74	50-125			
<b>LCS Analyzed: 05/27/04 (4E25063-BS1)</b>										
EFH (C6 - C40)	16.4	5.0	mg/kg	33.3		49	45-115			
Surrogate: n-Octacosane	4.36		mg/kg	6.67		65	50-125			
<b>Matrix Spike Analyzed: 05/27/04 (4E25063-MS1)</b>					<b>Source: INE1463-01</b>					
EFH (C6 - C40)	24.0	5.0	mg/kg	33.3	3.2	62	35-115			
Surrogate: n-Octacosane	5.10		mg/kg	6.67		76	50-125			
<b>Matrix Spike Dup Analyzed: 05/27/04 (4E25063-MSD1)</b>					<b>Source: INE1463-01</b>					
EFH (C6 - C40)	13.0	5.0	mg/kg	33.3	3.2	29	35-115	59	30	M8, R-2
Surrogate: n-Octacosane	4.55		mg/kg	6.67		68	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: 4E28004 Extracted: 05/28/04</b>										
<b>Blank Analyzed: 05/28/04 (4E28004-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							

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 Report Number: INE1447

Sampled: 05/24/04  
 Received: 05/24/04

## 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: 4E28004 Extracted: 05/28/04</b>										
<b>Blank Analyzed: 05/28/04 (4E28004-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	52.3		ug/kg	50.0		105	80-125			
Surrogate: Toluene-d8	50.8		ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	50.2		ug/kg	50.0		100	80-120			

**Del Mar Analytical, Irvine**  
 Amanda Cordova  
 Project Manager



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

Project ID: Ascon - Soils  
SB0202/31  
Report Number: INE1447

Sampled: 05/24/04  
Received: 05/24/04

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: 4E28004 Extracted: 05/28/04</b>										
<b>LCS Analyzed: 05/28/04 (4E28004-BS1)</b>										
Benzene	48.4	2.0	ug/kg	50.0		97	70-120			
Bromobenzene	45.5	5.0	ug/kg	50.0		91	80-120			
Bromochloromethane	51.0	5.0	ug/kg	50.0		102	65-135			
Bromodichloromethane	52.6	2.0	ug/kg	50.0		105	70-140			
Bromoform	50.5	5.0	ug/kg	50.0		101	60-140			
Bromomethane	60.7	5.0	ug/kg	50.0		121	60-140			
n-Butylbenzene	48.9	5.0	ug/kg	50.0		98	75-130			
sec-Butylbenzene	46.7	5.0	ug/kg	50.0		93	75-125			
tert-Butylbenzene	46.0	5.0	ug/kg	50.0		92	80-125			
Carbon tetrachloride	54.8	5.0	ug/kg	50.0		110	70-140			
Chlorobenzene	48.6	2.0	ug/kg	50.0		97	80-125			
Chloroethane	54.4	5.0	ug/kg	50.0		109	55-145			
Chloroform	48.0	2.0	ug/kg	50.0		96	75-120			
Chloromethane	48.8	5.0	ug/kg	50.0		98	35-145			
2-Chlorotoluene	45.6	5.0	ug/kg	50.0		91	75-125			
4-Chlorotoluene	46.8	5.0	ug/kg	50.0		94	80-125			
Dibromochloromethane	55.2	2.0	ug/kg	50.0		110	65-145			
1,2-Dibromo-3-chloropropane	49.9	5.0	ug/kg	50.0		100	50-150			
1,2-Dibromoethane (EDB)	52.8	2.0	ug/kg	50.0		106	70-130			
Dibromomethane	51.4	2.0	ug/kg	50.0		103	70-130			
1,2-Dichlorobenzene	47.0	2.0	ug/kg	50.0		94	80-125			
1,3-Dichlorobenzene	45.9	2.0	ug/kg	50.0		92	80-120			
1,4-Dichlorobenzene	46.7	2.0	ug/kg	50.0		93	80-120			
Dichlorodifluoromethane	53.5	5.0	ug/kg	50.0		107	10-160			
1,1-Dichloroethane	50.0	2.0	ug/kg	50.0		100	70-135			
1,2-Dichloroethane	51.8	2.0	ug/kg	50.0		104	60-150			
1,1-Dichloroethene	50.8	5.0	ug/kg	50.0		102	75-130			
cis-1,2-Dichloroethene	48.1	2.0	ug/kg	50.0		96	70-125			
trans-1,2-Dichloroethene	49.8	2.0	ug/kg	50.0		100	70-130			
1,2-Dichloropropane	47.4	2.0	ug/kg	50.0		95	70-120			
1,3-Dichloropropane	49.4	2.0	ug/kg	50.0		99	70-130			
2,2-Dichloropropane	66.9	2.0	ug/kg	50.0		134	70-150			
1,1-Dichloropropene	49.6	2.0	ug/kg	50.0		99	75-130			
cis-1,3-Dichloropropene	49.4	2.0	ug/kg	50.0		99	75-130			
trans-1,3-Dichloropropene	50.3	2.0	ug/kg	50.0		101	70-135			

Del Mar Analytical, Irvine  
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: 4E28004 Extracted: 05/28/04</b>										
<b>LCS Analyzed: 05/28/04 (4E28004-BS1)</b>										
Ethylbenzene	50.5	2.0	ug/kg	50.0		101	75-125			
Hexachlorobutadiene	46.8	5.0	ug/kg	50.0		94	75-140			
Isopropylbenzene	46.0	2.0	ug/kg	50.0		92	75-125			
p-Isopropyltoluene	45.8	2.0	ug/kg	50.0		92	75-125			
Methylene chloride	46.9	20	ug/kg	50.0		94	60-135			
Naphthalene	48.2	5.0	ug/kg	50.0		96	50-145			
n-Propylbenzene	47.5	2.0	ug/kg	50.0		95	75-130			
Styrene	52.2	2.0	ug/kg	50.0		104	80-135			
1,1,1,2-Tetrachloroethane	52.7	5.0	ug/kg	50.0		105	70-145			
1,1,2,2-Tetrachloroethane	48.0	2.0	ug/kg	50.0		96	55-145			
Tetrachloroethene	50.0	2.0	ug/kg	50.0		100	80-125			
Toluene	47.4	2.0	ug/kg	50.0		95	75-120			
1,2,3-Trichlorobenzene	48.6	5.0	ug/kg	50.0		97	65-135			
1,2,4-Trichlorobenzene	48.3	5.0	ug/kg	50.0		97	70-140			
1,1,1-Trichloroethane	53.7	2.0	ug/kg	50.0		107	75-140			
1,1,2-Trichloroethane	47.7	2.0	ug/kg	50.0		95	65-130			
Trichloroethene	48.1	2.0	ug/kg	50.0		96	75-125			
Trichlorofluoromethane	53.3	5.0	ug/kg	50.0		107	50-145			
1,2,3-Trichloropropane	46.4	10	ug/kg	50.0		93	55-140			
1,2,4-Trimethylbenzene	47.1	2.0	ug/kg	50.0		94	75-125			
1,3,5-Trimethylbenzene	47.1	2.0	ug/kg	50.0		94	80-125			
Vinyl chloride	46.3	5.0	ug/kg	50.0		93	45-130			
o-Xylene	48.7	2.0	ug/kg	50.0		97	75-125			
m,p-Xylenes	99.5	2.0	ug/kg	100		100	75-125			
Surrogate: Dibromofluoromethane	51.7		ug/kg	50.0		103	80-125			
Surrogate: Toluene-d8	50.8		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: 4E28004 Extracted: 05/28/04</b>										
<b>Matrix Spike Analyzed: 05/28/04 (4E28004-MS1)</b>					<b>Source: INE1328-06</b>					
Benzene	62.7	2.0	ug/kg	50.0	27	71	65-130			
Bromobenzene	45.9	5.0	ug/kg	50.0	ND	92	70-130			
Bromochloromethane	49.1	5.0	ug/kg	50.0	ND	98	60-145			
Bromodichloromethane	51.6	2.0	ug/kg	50.0	ND	103	70-145			
Bromoform	45.2	5.0	ug/kg	50.0	ND	90	60-145			
Bromomethane	56.5	5.0	ug/kg	50.0	ND	113	50-150			
n-Butylbenzene	51.9	5.0	ug/kg	50.0	ND	104	60-140			
sec-Butylbenzene	49.6	5.0	ug/kg	50.0	ND	99	65-135			
tert-Butylbenzene	48.8	5.0	ug/kg	50.0	ND	98	70-130			
Carbon tetrachloride	55.0	5.0	ug/kg	50.0	ND	110	70-140			
Chlorobenzene	49.3	2.0	ug/kg	50.0	ND	99	80-130			
Chloroethane	52.5	5.0	ug/kg	50.0	ND	105	50-150			
Chloroform	47.9	2.0	ug/kg	50.0	ND	96	70-130			
Chloromethane	47.3	5.0	ug/kg	50.0	ND	95	30-150			
2-Chlorotoluene	47.8	5.0	ug/kg	50.0	ND	96	70-130			
4-Chlorotoluene	48.7	5.0	ug/kg	50.0	ND	97	65-135			
Dibromochloromethane	51.3	2.0	ug/kg	50.0	ND	103	65-145			
1,2-Dibromo-3-chloropropane	43.6	5.0	ug/kg	50.0	ND	87	50-150			
1,2-Dibromoethane (EDB)	46.9	2.0	ug/kg	50.0	ND	94	65-135			
Dibromomethane	47.9	2.0	ug/kg	50.0	ND	96	65-135			
1,2-Dichlorobenzene	46.4	2.0	ug/kg	50.0	ND	93	75-130			
1,3-Dichlorobenzene	46.7	2.0	ug/kg	50.0	ND	93	70-125			
1,4-Dichlorobenzene	47.2	2.0	ug/kg	50.0	ND	94	75-130			
Dichlorodifluoromethane	50.6	5.0	ug/kg	50.0	ND	101	10-200			
1,1-Dichloroethane	50.7	2.0	ug/kg	50.0	ND	101	70-135			
1,2-Dichloroethane	47.9	2.0	ug/kg	50.0	ND	96	60-150			
1,1-Dichloroethene	46.0	5.0	ug/kg	50.0	ND	92	75-140			
cis-1,2-Dichloroethene	49.0	2.0	ug/kg	50.0	ND	98	60-135			
trans-1,2-Dichloroethene	49.4	2.0	ug/kg	50.0	ND	99	65-135			
1,2-Dichloropropane	47.8	2.0	ug/kg	50.0	ND	96	65-125			
1,3-Dichloropropane	46.7	2.0	ug/kg	50.0	ND	93	65-135			
2,2-Dichloropropane	90.2	2.0	ug/kg	50.0	ND	180	60-150			MI
1,1-Dichloropropene	50.0	2.0	ug/kg	50.0	ND	100	60-140			
cis-1,3-Dichloropropene	47.8	2.0	ug/kg	50.0	ND	96	65-135			
trans-1,3-Dichloropropene	47.9	2.0	ug/kg	50.0	ND	96	65-140			

Del Mar Analytical, Irvine  
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: 4E28004 Extracted: 05/28/04</b>										
<b>Matrix Spike Analyzed: 05/28/04 (4E28004-MS1)</b>					<b>Source: INE1328-06</b>					
Ethylbenzene	55.4	2.0	ug/kg	50.0	8.1	95	70-130			
Hexachlorobutadiene	46.8	5.0	ug/kg	50.0	ND	94	65-145			
Isopropylbenzene	49.0	2.0	ug/kg	50.0	0.78	96	60-135			
p-Isopropyltoluene	48.3	2.0	ug/kg	50.0	ND	97	60-135			
Methylene chloride	42.0	20	ug/kg	50.0	ND	84	60-145			
Naphthalene	49.9	5.0	ug/kg	50.0	8.1	84	40-160			
n-Propylbenzene	51.5	2.0	ug/kg	50.0	3.0	97	60-140			
Styrene	51.9	2.0	ug/kg	50.0	ND	104	70-145			
1,1,1,2-Tetrachloroethane	52.7	5.0	ug/kg	50.0	ND	105	65-145			
1,1,2,2-Tetrachloroethane	41.9	2.0	ug/kg	50.0	ND	84	55-150			
Tetrachloroethene	51.5	2.0	ug/kg	50.0	ND	103	70-130			
Toluene	49.6	2.0	ug/kg	50.0	1.3	97	70-125			
1,2,3-Trichlorobenzene	45.7	5.0	ug/kg	50.0	ND	91	60-135			
1,2,4-Trichlorobenzene	47.7	5.0	ug/kg	50.0	ND	95	65-140			
1,1,1-Trichloroethane	55.0	2.0	ug/kg	50.0	ND	110	65-140			
1,1,2-Trichloroethane	44.5	2.0	ug/kg	50.0	ND	89	60-140			
Trichloroethene	51.4	2.0	ug/kg	50.0	ND	103	70-140			
Trichlorofluoromethane	52.5	5.0	ug/kg	50.0	ND	105	40-160			
1,2,3-Trichloropropane	41.9	10	ug/kg	50.0	ND	84	55-140			
1,2,4-Trimethylbenzene	53.6	2.0	ug/kg	50.0	8.7	90	65-130			
1,3,5-Trimethylbenzene	51.2	2.0	ug/kg	50.0	3.5	95	70-130			
Vinyl chloride	47.9	5.0	ug/kg	50.0	ND	96	45-130			
o-Xylene	49.4	2.0	ug/kg	50.0	0.48	98	70-125			
m,p-Xylenes	107	2.0	ug/kg	100	12	95	70-125			
Surrogate: Dibromofluoromethane	50.2		ug/kg	50.0		100	80-125			
Surrogate: Toluene-d8	51.9		ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	51.4		ug/kg	50.0		103	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 Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E28004 Extracted: 05/28/04</b>										
<b>Matrix Spike Dup Analyzed: 05/28/04 (4E28004-MSD1)</b>					<b>Source: INE1328-06</b>					
Benzene	61.5	2.0	ug/kg	50.0	27	69	65-130	2	20	
Bromobenzene	41.0	5.0	ug/kg	50.0	ND	82	70-130	11	20	
Bromochloromethane	47.6	5.0	ug/kg	50.0	ND	95	60-145	3	25	
Bromodichloromethane	47.0	2.0	ug/kg	50.0	ND	94	70-145	9	20	
Bromoform	43.0	5.0	ug/kg	50.0	ND	86	60-145	5	25	
Bromomethane	47.0	5.0	ug/kg	50.0	ND	94	50-150	18	25	
n-Butylbenzene	43.2	5.0	ug/kg	50.0	ND	86	60-140	18	25	
sec-Butylbenzene	39.2	5.0	ug/kg	50.0	ND	78	65-135	23	20	R
tert-Butylbenzene	38.7	5.0	ug/kg	50.0	ND	77	70-130	23	20	R
Carbon tetrachloride	42.8	5.0	ug/kg	50.0	ND	86	70-140	25	20	R
Chlorobenzene	42.7	2.0	ug/kg	50.0	ND	85	80-130	14	20	
Chloroethane	41.6	5.0	ug/kg	50.0	ND	83	50-150	23	30	
Chloroform	42.5	2.0	ug/kg	50.0	ND	85	70-130	12	20	
Chloromethane	36.9	5.0	ug/kg	50.0	ND	74	30-150	25	30	
2-Chlorotoluene	39.8	5.0	ug/kg	50.0	ND	80	70-130	18	20	
4-Chlorotoluene	40.8	5.0	ug/kg	50.0	ND	82	65-135	18	20	
Dibromochloromethane	47.5	2.0	ug/kg	50.0	ND	95	65-145	8	25	
1,2-Dibromo-3-chloropropane	41.7	5.0	ug/kg	50.0	ND	83	50-150	4	30	
1,2-Dibromoethane (EDB)	45.6	2.0	ug/kg	50.0	ND	91	65-135	3	20	
Dibromomethane	45.8	2.0	ug/kg	50.0	ND	92	65-135	4	20	
1,2-Dichlorobenzene	42.3	2.0	ug/kg	50.0	ND	85	75-130	9	20	
1,3-Dichlorobenzene	40.7	2.0	ug/kg	50.0	ND	81	70-125	14	20	
1,4-Dichlorobenzene	41.6	2.0	ug/kg	50.0	ND	83	75-130	13	20	
Dichlorodifluoromethane	36.5	5.0	ug/kg	50.0	ND	73	10-200	32	35	
1,1-Dichloroethane	43.4	2.0	ug/kg	50.0	ND	87	70-135	16	20	
1,2-Dichloroethane	47.0	2.0	ug/kg	50.0	ND	94	60-150	2	25	
1,1-Dichloroethene	38.9	5.0	ug/kg	50.0	ND	78	75-140	17	20	
cis-1,2-Dichloroethene	43.0	2.0	ug/kg	50.0	ND	86	60-135	13	20	
trans-1,2-Dichloroethene	40.8	2.0	ug/kg	50.0	ND	82	65-135	19	20	
1,2-Dichloropropane	42.9	2.0	ug/kg	50.0	ND	86	65-125	11	20	
1,3-Dichloropropane	44.9	2.0	ug/kg	50.0	ND	90	65-135	4	20	
2,2-Dichloropropane	55.3	2.0	ug/kg	50.0	ND	111	60-150	48	20	R-3
1,1-Dichloropropene	39.2	2.0	ug/kg	50.0	ND	78	60-140	24	20	R
cis-1,3-Dichloropropene	44.6	2.0	ug/kg	50.0	ND	89	65-135	7	20	
trans-1,3-Dichloropropene	45.0	2.0	ug/kg	50.0	ND	90	65-140	6	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: 4E28004 Extracted: 05/28/04</b>										
<b>Matrix Spike Dup Analyzed: 05/28/04 (4E28004-MSD1)</b>					<b>Source: INE1328-06</b>					
Ethylbenzene	47.9	2.0	ug/kg	50.0	8.1	80	70-130	15	20	
Hexachlorobutadiene	39.3	5.0	ug/kg	50.0	ND	79	65-145	17	20	
Isopropylbenzene	38.9	2.0	ug/kg	50.0	0.78	76	60-135	23	25	
p-Isopropyltoluene	39.2	2.0	ug/kg	50.0	ND	78	60-135	21	20	R
Methylene chloride	41.1	20	ug/kg	50.0	ND	82	60-145	2	25	
Naphthalene	50.4	5.0	ug/kg	50.0	8.1	85	40-160	1	25	
n-Propylbenzene	41.6	2.0	ug/kg	50.0	3.0	77	60-140	21	25	
Styrene	45.5	2.0	ug/kg	50.0	ND	91	70-145	13	20	
1,1,1,2-Tetrachloroethane	46.7	5.0	ug/kg	50.0	ND	93	65-145	12	20	
1,1,2,2-Tetrachloroethane	34.8	2.0	ug/kg	50.0	ND	70	55-150	19	25	
Tetrachloroethene	40.7	2.0	ug/kg	50.0	ND	81	70-130	23	20	R
Toluene	42.1	2.0	ug/kg	50.0	1.3	82	70-125	16	20	
1,2,3-Trichlorobenzene	43.0	5.0	ug/kg	50.0	ND	86	60-135	6	20	
1,2,4-Trichlorobenzene	43.9	5.0	ug/kg	50.0	ND	88	65-140	8	25	
1,1,1-Trichloroethane	43.6	2.0	ug/kg	50.0	ND	87	65-140	23	20	R
1,1,2-Trichloroethane	43.7	2.0	ug/kg	50.0	ND	87	60-140	2	20	
Trichloroethene	45.3	2.0	ug/kg	50.0	ND	91	70-140	13	20	
Trichlorofluoromethane	39.9	5.0	ug/kg	50.0	ND	80	40-160	27	30	
1,2,3-Trichloropropane	39.7	10	ug/kg	50.0	ND	79	55-140	5	25	
1,2,4-Trimethylbenzene	47.8	2.0	ug/kg	50.0	8.7	78	65-130	11	20	
1,3,5-Trimethylbenzene	42.7	2.0	ug/kg	50.0	3.5	78	70-130	18	20	
Vinyl chloride	37.5	5.0	ug/kg	50.0	ND	75	45-130	24	30	
o-Xylene	42.8	2.0	ug/kg	50.0	0.48	85	70-125	14	20	
m,p-Xylenes	92.9	2.0	ug/kg	100	12	81	70-125	14	20	
Surrogate: Dibromofluoromethane	50.8		ug/kg	50.0		102	80-125			
Surrogate: Toluene-d8	51.8		ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	51.1		ug/kg	50.0		102	80-120			

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Amanda Cordova  
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Project ID: Ascon - Soils  
SB0202/31  
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Sampled: 05/24/04  
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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: 4E28013 Extracted: 05/28/04</b>										
<b>Blank Analyzed: 05/28/04 (4E28013-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	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E28013 Extracted: 05/28/04</b>										
<b>Blank Analyzed: 05/28/04 (4E28013-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	2500		ug/kg	2500		100	50-160			
Surrogate: Toluene-d8	2610		ug/kg	2500		104	60-160			
Surrogate: 4-Bromofluorobenzene	2470		ug/kg	2500		99	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 Limit	Data Qualifiers
<b>Batch: 4E28013 Extracted: 05/28/04</b>										
<b>LCS Analyzed: 05/28/04 (4E28013-BS1)</b>										
Benzene	2340	100	ug/kg	2500		94	75-125			
Bromobenzene	2200	250	ug/kg	2500		88	80-120			
Bromochloromethane	2380	250	ug/kg	2500		95	65-140			
Bromodichloromethane	2260	100	ug/kg	2500		90	70-140			
Bromoform	1890	250	ug/kg	2500		76	60-130			
Bromomethane	1860	250	ug/kg	2500		74	35-140			
n-Butylbenzene	2270	250	ug/kg	2500		91	80-130			
sec-Butylbenzene	2190	250	ug/kg	2500		88	75-125			
tert-Butylbenzene	2260	250	ug/kg	2500		90	80-125			
Carbon tetrachloride	2410	250	ug/kg	2500		96	70-140			
Chlorobenzene	2320	100	ug/kg	2500		93	80-125			
Chloroethane	1690	250	ug/kg	2500		68	40-145			
Chloroform	2290	100	ug/kg	2500		92	75-130			
Chloromethane	1740	250	ug/kg	2500		70	30-145			
2-Chlorotoluene	2170	250	ug/kg	2500		87	75-125			
4-Chlorotoluene	2250	250	ug/kg	2500		90	80-125			
Dibromochloromethane	2060	100	ug/kg	2500		82	65-145			
1,2-Dibromo-3-chloropropane	1390	250	ug/kg	2500		56	45-135			
1,2-Dibromoethane (EDB)	1910	100	ug/kg	2500		76	75-130			
Dibromomethane	2140	100	ug/kg	2500		86	75-135			
1,2-Dichlorobenzene	2110	100	ug/kg	2500		84	80-120			
1,3-Dichlorobenzene	2150	100	ug/kg	2500		86	80-120			
1,4-Dichlorobenzene	2200	100	ug/kg	2500		88	80-120			
Dichlorodifluoromethane	1110	250	ug/kg	2500		44	10-160			
1,1-Dichloroethane	2380	100	ug/kg	2500		95	70-135			
1,2-Dichloroethane	2090	100	ug/kg	2500		84	60-150			
1,1-Dichloroethene	2480	250	ug/kg	2500		99	80-145			
cis-1,2-Dichloroethene	2380	100	ug/kg	2500		95	70-135			
trans-1,2-Dichloroethene	2420	100	ug/kg	2500		97	70-135			
1,2-Dichloropropane	2310	100	ug/kg	2500		92	75-125			
1,3-Dichloropropane	2040	100	ug/kg	2500		82	75-130			
2,2-Dichloropropane	3040	100	ug/kg	2500		122	70-150			
1,1-Dichloropropene	2380	100	ug/kg	2500		95	75-130			
cis-1,3-Dichloropropene	2260	100	ug/kg	2500		90	75-130			
trans-1,3-Dichloropropene	2170	100	ug/kg	2500		87	75-135			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E28013 Extracted: 05/28/04</b>									
<b>LCS Analyzed: 05/28/04 (4E28013-BS1)</b>									
Ethylbenzene	2350	100	ug/kg	2500		94		80-120	
Hexachlorobutadiene	2040	250	ug/kg	2500		82		75-140	
Isopropylbenzene	2220	100	ug/kg	2500		89		75-125	
p-Isopropyltoluene	2170	100	ug/kg	2500		87		80-125	
Methylene chloride	2350	1000	ug/kg	2500		94		60-145	
Naphthalene	1650	250	ug/kg	2500		66		50-145	
n-Propylbenzene	2320	100	ug/kg	2500		93		75-130	
Styrene	2330	100	ug/kg	2500		93		80-135	
1,1,1,2-Tetrachloroethane	2260	250	ug/kg	2500		90		70-145	
1,1,2,2-Tetrachloroethane	1690	100	ug/kg	2500		68		60-135	
Tetrachloroethene	2340	100	ug/kg	2500		94		80-125	
Toluene	2440	100	ug/kg	2500		98		80-125	
1,2,3-Trichlorobenzene	1940	250	ug/kg	2500		78		65-135	
1,2,4-Trichlorobenzene	2140	250	ug/kg	2500		86		70-140	
1,1,1-Trichloroethane	2400	100	ug/kg	2500		96		75-140	
1,1,2-Trichloroethane	1970	100	ug/kg	2500		79		70-130	
Trichloroethene	2440	100	ug/kg	2500		98		80-130	
Trichlorofluoromethane	2140	250	ug/kg	2500		86		55-145	
1,2,3-Trichloropropane	1640	500	ug/kg	2500		66		60-130	
1,2,4-Trimethylbenzene	2160	100	ug/kg	2500		86		80-125	
1,3,5-Trimethylbenzene	2160	100	ug/kg	2500		86		80-125	
Vinyl chloride	798	250	ug/kg	2500		32		10-120	
o-Xylene	2260	100	ug/kg	2500		90		80-125	
m,p-Xylenes	4560	100	ug/kg	5000		91		80-120	
Surrogate: Dibromofluoromethane	2490		ug/kg	2500		100		50-160	
Surrogate: Toluene-d8	2650		ug/kg	2500		106		60-160	
Surrogate: 4-Bromofluorobenzene	2490		ug/kg	2500		100		60-150	

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E28013 Extracted: 05/28/04</b>										
<b>LCS Dup Analyzed: 05/28/04 (4E28013-BSD1)</b>										
Benzene	2400	100	ug/kg	2500		96	75-125	3	20	M-NR
Bromobenzene	2250	250	ug/kg	2500		90	80-120	2	20	
Bromochloromethane	2450	250	ug/kg	2500		98	65-140	3	20	
Bromodichloromethane	2270	100	ug/kg	2500		91	70-140	0	20	
Bromoform	2020	250	ug/kg	2500		81	60-130	7	25	
Bromomethane	1750	250	ug/kg	2500		70	35-140	6	30	
n-Butylbenzene	2320	250	ug/kg	2500		93	80-130	2	20	
sec-Butylbenzene	2250	250	ug/kg	2500		90	75-125	3	20	
tert-Butylbenzene	2300	250	ug/kg	2500		92	80-125	2	20	
Carbon tetrachloride	2430	250	ug/kg	2500		97	70-140	1	20	
Chlorobenzene	2400	100	ug/kg	2500		96	80-125	3	20	
Chloroethane	1670	250	ug/kg	2500		67	40-145	1	25	
Chloroform	2290	100	ug/kg	2500		92	75-130	0	20	
Chloromethane	1690	250	ug/kg	2500		68	30-145	3	25	
2-Chlorotoluene	2240	250	ug/kg	2500		90	75-125	3	20	
4-Chlorotoluene	2310	250	ug/kg	2500		92	80-125	3	20	
Dibromochloromethane	2190	100	ug/kg	2500		88	65-145	6	20	
1,2-Dibromo-3-chloropropane	1470	250	ug/kg	2500		59	45-135	6	25	
1,2-Dibromoethane (EDB)	2120	100	ug/kg	2500		85	75-130	10	20	
Dibromomethane	2220	100	ug/kg	2500		89	75-135	4	20	
1,2-Dichlorobenzene	2250	100	ug/kg	2500		90	80-120	6	20	
1,3-Dichlorobenzene	2310	100	ug/kg	2500		92	80-120	7	20	
1,4-Dichlorobenzene	2260	100	ug/kg	2500		90	80-120	3	20	
Dichlorodifluoromethane	1020	250	ug/kg	2500		41	10-160	8	30	
1,1-Dichloroethane	2350	100	ug/kg	2500		94	70-135	1	20	
1,2-Dichloroethane	2170	100	ug/kg	2500		87	60-150	4	25	
1,1-Dichloroethene	2440	250	ug/kg	2500		98	80-145	2	20	
cis-1,2-Dichloroethene	2420	100	ug/kg	2500		97	70-135	2	20	
trans-1,2-Dichloroethene	2460	100	ug/kg	2500		98	70-135	2	20	
1,2-Dichloropropane	2380	100	ug/kg	2500		95	75-125	3	20	
1,3-Dichloropropane	2220	100	ug/kg	2500		89	75-130	8	20	
2,2-Dichloropropane	3030	100	ug/kg	2500		121	70-150	0	20	
1,1-Dichloropropene	2400	100	ug/kg	2500		96	75-130	1	20	
cis-1,3-Dichloropropene	2440	100	ug/kg	2500		98	75-130	8	20	
trans-1,3-Dichloropropene	2210	100	ug/kg	2500		88	75-135	2	20	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E28013 Extracted: 05/28/04</b>										
<b>LCS Dup Analyzed: 05/28/04 (4E28013-BSD1)</b>										
Ethylbenzene	2470	100	ug/kg	2500	99	80-120	5	20		M-NR
Hexachlorobutadiene	2020	250	ug/kg	2500	81	75-140	1	20		
Isopropylbenzene	2280	100	ug/kg	2500	91	75-125	3	20		
p-Isopropyltoluene	2300	100	ug/kg	2500	92	80-125	6	20		
Methylene chloride	2370	1000	ug/kg	2500	95	60-145	1	20		
Naphthalene	1770	250	ug/kg	2500	71	50-145	7	25		
n-Propylbenzene	2350	100	ug/kg	2500	94	75-130	1	20		
Styrene	2450	100	ug/kg	2500	98	80-135	5	20		
1,1,1,2-Tetrachloroethane	2430	250	ug/kg	2500	97	70-145	7	20		
1,1,2,2-Tetrachloroethane	1780	100	ug/kg	2500	71	60-135	5	25		
Tetrachloroethene	2530	100	ug/kg	2500	101	80-125	8	20		
Toluene	2440	100	ug/kg	2500	98	80-125	0	20		
1,2,3-Trichlorobenzene	2050	250	ug/kg	2500	82	65-135	6	20		
1,2,4-Trichlorobenzene	2180	250	ug/kg	2500	87	70-140	2	20		
1,1,1-Trichloroethane	2420	100	ug/kg	2500	97	75-140	1	20		
1,1,2-Trichloroethane	2060	100	ug/kg	2500	82	70-130	4	20		
Trichloroethene	2410	100	ug/kg	2500	96	80-130	1	20		
Trichlorofluoromethane	2160	250	ug/kg	2500	86	55-145	1	25		
1,2,3-Trichloropropane	1740	500	ug/kg	2500	70	60-130	6	20		
1,2,4-Trimethylbenzene	2230	100	ug/kg	2500	89	80-125	3	20		
1,3,5-Trimethylbenzene	2220	100	ug/kg	2500	89	80-125	3	20		
Vinyl chloride	715	250	ug/kg	2500	29	10-120	11	30		
o-Xylene	2320	100	ug/kg	2500	93	80-125	3	20		
m,p-Xylenes	4720	100	ug/kg	5000	94	80-120	3	20		
Surrogate: Dibromofluoromethane	2480		ug/kg	2500	99	50-160				
Surrogate: Toluene-d8	2610		ug/kg	2500	104	60-160				
Surrogate: 4-Bromofluorobenzene	2590		ug/kg	2500	104	60-150				

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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	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25044 Extracted: 05/25/04</b>									
<b>Blank Analyzed: 05/27/04 (4E25044-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						

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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	RPD Limit	Data Qualifiers
<b>Batch: 4E25044 Extracted: 05/25/04</b>										
<b>Blank Analyzed: 05/27/04 (4E25044-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	4440		ug/kg	6670		67	25-120			
Surrogate: Phenol-d6	4700		ug/kg	6670		70	30-120			

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Geosyntec Consultants/Project Navigator - Ascon  
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 Attention: Mike Reardon

Project ID: Ascon - Soils  
 SB0202/31  
 Report Number: INE1447

Sampled: 05/24/04  
 Received: 05/24/04

### 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: 4E25044 Extracted: 05/25/04</b>										
<b>Blank Analyzed: 05/27/04 (4E25044-BLK1)</b>										
Surrogate: 2,4,6-Tribromophenol	4660		ug/kg	6670		70	35-120			
Surrogate: Nitrobenzene-d5	2390		ug/kg	3330		72	30-120			
Surrogate: 2-Fluorobiphenyl	2280		ug/kg	3330		68	35-120			
Surrogate: Terphenyl-d14	2240		ug/kg	3330		67	35-155			
<b>LCS Analyzed: 05/26/04 (4E25044-BS1)</b>										
Acenaphthene	2630	330	ug/kg	3330		79	55-120			
Acenaphthylene	2520	330	ug/kg	3330		76	55-120			
Aniline	1760	420	ug/kg	3330		53	30-120			
Anthracene	3000	330	ug/kg	3330		90	55-120			
Benzidine	2510	660	ug/kg	3330		75	10-180			
Benzoic acid	1760	830	ug/kg	3330		53	30-125			
Benzo(a)anthracene	3030	330	ug/kg	3330		91	65-120			
Benzo(b)fluoranthene	3070	330	ug/kg	3330		92	65-120			
Benzo(k)fluoranthene	2690	330	ug/kg	3330		81	60-120			
Benzo(g,h,i)perylene	3230	330	ug/kg	3330		97	25-160			
Benzo(a)pyrene	2990	330	ug/kg	3330		90	60-120			
Benzyl alcohol	2440	330	ug/kg	3330		73	40-130			
Bis(2-chloroethoxy)methane	2360	330	ug/kg	3330		71	50-120			
Bis(2-chloroethyl)ether	2300	170	ug/kg	3330		69	40-120			
Bis(2-chloroisopropyl)ether	2940	330	ug/kg	3330		88	40-120			
Bis(2-ethylhexyl)phthalate	3390	330	ug/kg	3330		102	65-125			
4-Bromophenyl phenyl ether	2700	330	ug/kg	3330		81	50-125			
Butyl benzyl phthalate	3040	330	ug/kg	3330		91	65-120			
4-Chloroaniline	1800	330	ug/kg	3330		54	20-120			
2-Chloronaphthalene	2420	330	ug/kg	3330		73	50-120			
4-Chloro-3-methylphenol	2730	330	ug/kg	3330		82	50-120			
2-Chlorophenol	2160	330	ug/kg	3330		65	45-120			
4-Chlorophenyl phenyl ether	2650	330	ug/kg	3330		80	55-120			
Chrysene	3080	330	ug/kg	3330		92	60-120			
Dibenz(a,h)anthracene	3280	420	ug/kg	3330		98	25-160			
Dibenzofuran	2550	330	ug/kg	3330		77	55-120			
Di-n-butyl phthalate	3400	330	ug/kg	3330		102	60-120			
1,3-Dichlorobenzene	1930	330	ug/kg	3330		58	40-120			
1,4-Dichlorobenzene	1960	330	ug/kg	3330		59	40-120			
1,2-Dichlorobenzene	2020	330	ug/kg	3330		61	40-120			

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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: 4E25044 Extracted: 05/25/04</b>										
<b>LCS Analyzed: 05/26/04 (4E25044-BS1)</b>										
3,3-Dichlorobenzidine	2460	830	ug/kg	3330		74	20-170			
2,4-Dichlorophenol	2240	330	ug/kg	3330		67	55-120			
Diethyl phthalate	3050	330	ug/kg	3330		92	55-120			
2,4-Dimethylphenol	2100	330	ug/kg	3330		63	45-120			
Dimethyl phthalate	2700	330	ug/kg	3330		81	60-120			
4,6-Dinitro-2-methylphenol	2660	420	ug/kg	3330		80	50-120			
2,4-Dinitrophenol	1940	420	ug/kg	3330		58	25-140			
2,4-Dinitrotoluene	3130	330	ug/kg	3330		94	60-140			
2,6-Dinitrotoluene	2930	330	ug/kg	3330		88	60-125			
Di-n-octyl phthalate	3660	330	ug/kg	3330		110	60-135			
Fluoranthene	3470	330	ug/kg	3330		104	55-130			
Fluorene	2640	330	ug/kg	3330		79	55-120			
Hexachlorobenzene	2700	330	ug/kg	3330		81	45-120			
Hexachlorobutadiene	2060	330	ug/kg	3330		62	40-120			
Hexachlorocyclopentadiene	2170	830	ug/kg	3330		65	45-130			
Hexachloroethane	2090	330	ug/kg	3330		63	40-120			
Indeno(1,2,3-cd)pyrene	2960	330	ug/kg	3330		89	25-150			
Isophorone	2450	330	ug/kg	3330		74	45-120			
2-Methylnaphthalene	2330	330	ug/kg	3330		70	50-120			
2-Methylphenol	2360	330	ug/kg	3330		71	50-120			
4-Methylphenol	2490	330	ug/kg	3330		75	50-120			
Naphthalene	2370	330	ug/kg	3330		71	45-120			
2-Nitroaniline	3340	330	ug/kg	3330		100	55-130			
3-Nitroaniline	2780	330	ug/kg	3330		83	40-140			
4-Nitroaniline	3380	830	ug/kg	3330		102	40-160			
Nitrobenzene	2440	330	ug/kg	3330		73	45-120			
2-Nitrophenol	2250	330	ug/kg	3330		68	50-120			
4-Nitrophenol	3280	830	ug/kg	3330		98	45-135			
n-Nitrosodiphenylamine	2940	330	ug/kg	3330		88	55-120			
n-Nitroso-di-n-propylamine	2710	250	ug/kg	3330		81	45-120			
Pentachlorophenol	2310	830	ug/kg	3330		69	50-120			
Phenanthrene	2950	330	ug/kg	3330		89	55-120			
Phenol	2240	330	ug/kg	3330		67	45-120			
Pyrene	2600	330	ug/kg	3330		78	50-120			
1,2,4-Trichlorobenzene	1990	330	ug/kg	3330		60	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 Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25044 Extracted: 05/25/04</b>										
<b>LCS Analyzed: 05/26/04 (4E25044-BS1)</b>										
2,4,5-Trichlorophenol	2610	330	ug/kg	3330		78	55-120			
2,4,6-Trichlorophenol	2540	330	ug/kg	3330		76	55-120			
1,2-Diphenylhydrazine/Azobenzene	4410	330	ug/kg	3330		132	60-120			L
Surrogate: 2-Fluorophenol	4150		ug/kg	6670		62	25-120			
Surrogate: Phenol-d6	4630		ug/kg	6670		69	30-120			
Surrogate: 2,4,6-Tribromophenol	5700		ug/kg	6670		85	35-120			
Surrogate: Nitrobenzene-d5	2300		ug/kg	3330		69	30-120			
Surrogate: 2-Fluorobiphenyl	2200		ug/kg	3330		66	35-120			
Surrogate: Terphenyl-d14	2720		ug/kg	3330		82	35-155			
<b>Matrix Spike Analyzed: 05/26/04 (4E25044-MS1)</b>										
<b>Source: INE1411-02</b>										
Acenaphthene	2700	330	ug/kg	3330	ND	81	45-120			
Acenaphthylene	2590	330	ug/kg	3330	ND	78	45-120			
Aniline	1730	420	ug/kg	3330	ND	52	30-120			
Anthracene	2940	330	ug/kg	3330	ND	88	55-120			
Benzidine	469	660	ug/kg	3330	ND	14	10-180			
Benzoic acid	1690	830	ug/kg	3330	ND	51	20-125			
Benzo(a)anthracene	2770	330	ug/kg	3330	ND	83	55-120			
Benzo(b)fluoranthene	2850	330	ug/kg	3330	ND	86	65-120			
Benzo(k)fluoranthene	2460	330	ug/kg	3330	ND	74	55-120			
Benzo(g,h,i)perylene	2630	330	ug/kg	3330	ND	79	25-160			
Benzo(a)pyrene	2730	330	ug/kg	3330	ND	82	60-120			
Benzyl alcohol	2200	330	ug/kg	3330	ND	66	40-130			
Bis(2-chloroethoxy)methane	2430	330	ug/kg	3330	ND	73	45-120			
Bis(2-chloroethyl)ether	2370	170	ug/kg	3330	ND	71	40-120			
Bis(2-chloroisopropyl)ether	3010	330	ug/kg	3330	ND	90	40-120			
Bis(2-ethylhexyl)phthalate	3160	330	ug/kg	3330	ND	95	60-135			
4-Bromophenyl phenyl ether	2710	330	ug/kg	3330	ND	81	50-125			
Butyl benzyl phthalate	2900	330	ug/kg	3330	ND	87	55-150			
4-Chloroaniline	1880	330	ug/kg	3330	ND	56	20-120			
2-Chloronaphthalene	2500	330	ug/kg	3330	ND	75	55-120			
4-Chloro-3-methylphenol	2790	330	ug/kg	3330	ND	84	45-125			
2-Chlorophenol	2250	330	ug/kg	3330	ND	68	40-120			
4-Chlorophenyl phenyl ether	2710	330	ug/kg	3330	ND	81	55-120			
Chrysene	2840	330	ug/kg	3330	ND	85	60-120			
Dibenz(a,h)anthracene	2810	420	ug/kg	3330	ND	84	25-160			

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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 Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25044 Extracted: 05/25/04</b>										
<b>Matrix Spike Analyzed: 05/26/04 (4E25044-MS1)</b>					<b>Source: INE1411-02</b>					
Dibenzofuran	2680	330	ug/kg	3330	ND	80	55-120			
Di-n-butyl phthalate	3170	330	ug/kg	3330	ND	95	60-120			
1,3-Dichlorobenzene	1850	330	ug/kg	3330	ND	56	35-120			
1,4-Dichlorobenzene	2060	330	ug/kg	3330	ND	62	40-120			
1,2-Dichlorobenzene	2030	330	ug/kg	3330	ND	61	40-120			
3,3-Dichlorobenzidine	2500	830	ug/kg	3330	ND	75	20-170			
2,4-Dichlorophenol	2300	330	ug/kg	3330	ND	69	40-120			
Diethyl phthalate	2990	330	ug/kg	3330	ND	90	55-120			
2,4-Dimethylphenol	2000	330	ug/kg	3330	ND	60	35-120			
Dimethyl phthalate	2680	330	ug/kg	3330	ND	80	50-120			
4,6-Dinitro-2-methylphenol	1020	420	ug/kg	3330	ND	31	40-120			M2
2,4-Dinitrophenol	887	420	ug/kg	3330	ND	27	20-140			
2,4-Dinitrotoluene	3040	330	ug/kg	3330	ND	91	55-140			
2,6-Dinitrotoluene	2860	330	ug/kg	3330	ND	86	55-125			
Di-n-octyl phthalate	3420	330	ug/kg	3330	ND	103	45-140			
Fluoranthene	3160	330	ug/kg	3330	ND	95	45-130			
Fluorene	2710	330	ug/kg	3330	ND	81	55-120			
Hexachlorobenzene	2680	330	ug/kg	3330	ND	80	35-120			
Hexachlorobutadiene	1990	330	ug/kg	3330	ND	60	40-120			
Hexachlorocyclopentadiene	1210	830	ug/kg	3330	ND	36	30-145			
Hexachloroethane	2020	330	ug/kg	3330	ND	61	40-120			
Indeno(1,2,3-cd)pyrene	2600	330	ug/kg	3330	ND	78	25-150			
Isophorone	2490	330	ug/kg	3330	ND	75	40-120			
2-Methylnaphthalene	2400	330	ug/kg	3330	ND	72	40-120			
2-Methylphenol	2510	330	ug/kg	3330	ND	75	40-120			
4-Methylphenol	2690	330	ug/kg	3330	ND	81	40-120			
Naphthalene	2420	330	ug/kg	3330	ND	73	40-120			
2-Nitroaniline	3440	330	ug/kg	3330	ND	103	55-130			
3-Nitroaniline	2610	330	ug/kg	3330	ND	78	40-140			
4-Nitroaniline	3230	830	ug/kg	3330	ND	97	40-160			
Nitrobenzene	2500	330	ug/kg	3330	ND	75	45-120			
2-Nitrophenol	2180	330	ug/kg	3330	ND	65	40-120			
4-Nitrophenol	2130	830	ug/kg	3330	ND	64	35-135			
n-Nitrosodiphenylamine	2850	330	ug/kg	3330	ND	86	55-120			
n-Nitroso-di-n-propylamine	2840	250	ug/kg	3330	ND	85	40-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25044 Extracted: 05/25/04</b>										
<b>Matrix Spike Analyzed: 05/26/04 (4E25044-MS1)</b>					<b>Source: INE1411-02</b>					
Pentachlorophenol	2650	830	ug/kg	3330	ND	80	40-120			
Phenanthrene	2900	330	ug/kg	3330	ND	87	55-120			
Phenol	2350	330	ug/kg	3330	ND	71	40-120			
Pyrene	2670	330	ug/kg	3330	ND	80	50-120			
1,2,4-Trichlorobenzene	2010	330	ug/kg	3330	ND	60	45-120			
2,4,5-Trichlorophenol	2670	330	ug/kg	3330	ND	80	55-120			
2,4,6-Trichlorophenol	2540	330	ug/kg	3330	ND	76	40-120			
1,2-Diphenylhydrazine/Azobenzene	4400	330	ug/kg	3330	ND	132	60-120			M7
Surrogate: 2-Fluorophenol	4030		ug/kg	6670		60	25-120			
Surrogate: Phenol-d6	4640		ug/kg	6670		70	30-120			
Surrogate: 2,4,6-Tribromophenol	5450		ug/kg	6670		82	35-120			
Surrogate: Nitrobenzene-d5	2310		ug/kg	3330		69	30-120			
Surrogate: 2-Fluorobiphenyl	2180		ug/kg	3330		65	35-120			
Surrogate: Terphenyl-d14	2670		ug/kg	3330		80	35-155			
<b>Matrix Spike Dup Analyzed: 05/26/04 (4E25044-MSD1)</b>					<b>Source: INE1411-02</b>					
Acenaphthene	2720	330	ug/kg	3330	ND	82	45-120	1	20	
Acenaphthylene	2600	330	ug/kg	3330	ND	78	45-120	0	20	
Aniline	1740	420	ug/kg	3330	ND	52	30-120	1	25	
Anthracene	3010	330	ug/kg	3330	ND	90	55-120	2	20	
Benzidine	512	660	ug/kg	3330	ND	15	10-180	9	25	
Benzoic acid	1650	830	ug/kg	3330	ND	50	20-125	2	25	
Benzo(a)anthracene	2930	330	ug/kg	3330	ND	88	55-120	6	20	
Benzo(b)fluoranthene	2780	330	ug/kg	3330	ND	83	65-120	2	20	
Benzo(k)fluoranthene	2560	330	ug/kg	3330	ND	77	55-120	4	20	
Benzo(g,h,i)perylene	2670	330	ug/kg	3330	ND	80	25-160	2	25	
Benzo(a)pyrene	2810	330	ug/kg	3330	ND	84	60-120	3	20	
Benzyl alcohol	2250	330	ug/kg	3330	ND	68	40-130	2	25	
Bis(2-chloroethoxy)methane	2500	330	ug/kg	3330	ND	75	45-120	3	20	
Bis(2-chloroethyl)ether	2490	170	ug/kg	3330	ND	75	40-120	5	25	
Bis(2-chloroisopropyl)ether	3050	330	ug/kg	3330	ND	92	40-120	1	25	
Bis(2-ethylhexyl)phthalate	3250	330	ug/kg	3330	ND	98	60-135	3	20	
4-Bromophenyl phenyl ether	2740	330	ug/kg	3330	ND	82	50-125	1	20	
Butyl benzyl phthalate	2980	330	ug/kg	3330	ND	89	55-150	3	20	
4-Chloroaniline	1940	330	ug/kg	3330	ND	58	20-120	3	25	
2-Chloronaphthalene	2550	330	ug/kg	3330	ND	77	55-120	2	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: 4E25044 Extracted: 05/25/04</b>										
<b>Matrix Spike Dup Analyzed: 05/26/04 (4E25044-MSD1)</b>					<b>Source: INE1411-02</b>					
4-Chloro-3-methylphenol	2760	330	ug/kg	3330	ND	83	45-125	1	20	
2-Chlorophenol	2250	330	ug/kg	3330	ND	68	40-120	0	20	
4-Chlorophenyl phenyl ether	2670	330	ug/kg	3330	ND	80	55-120	1	20	
Chrysene	2960	330	ug/kg	3330	ND	89	60-120	4	20	
Dibenz(a,h)anthracene	2910	420	ug/kg	3330	ND	87	25-160	3	25	
Dibenzofuran	2690	330	ug/kg	3330	ND	81	55-120	0	20	
Di-n-butyl phthalate	3310	330	ug/kg	3330	ND	99	60-120	4	20	
1,3-Dichlorobenzene	2000	330	ug/kg	3330	ND	60	35-120	8	25	
1,4-Dichlorobenzene	2080	330	ug/kg	3330	ND	62	40-120	1	25	
1,2-Dichlorobenzene	2110	330	ug/kg	3330	ND	63	40-120	4	20	
3,3-Dichlorobenzidine	2710	830	ug/kg	3330	ND	81	20-170	8	25	
2,4-Dichlorophenol	2350	330	ug/kg	3330	ND	71	40-120	2	20	
Diethyl phthalate	3060	330	ug/kg	3330	ND	92	55-120	2	20	
2,4-Dimethylphenol	2070	330	ug/kg	3330	ND	62	35-120	3	25	
Dimethyl phthalate	2700	330	ug/kg	3330	ND	81	50-120	1	20	
4,6-Dinitro-2-methylphenol	1480	420	ug/kg	3330	ND	44	40-120	37	20	R-3
2,4-Dinitrophenol	1230	420	ug/kg	3330	ND	37	20-140	32	25	R
2,4-Dinitrotoluene	3110	330	ug/kg	3330	ND	93	55-140	2	20	
2,6-Dinitrotoluene	2930	330	ug/kg	3330	ND	88	55-125	2	20	
Di-n-octyl phthalate	3580	330	ug/kg	3330	ND	108	45-140	5	20	
Fluoranthene	3370	330	ug/kg	3330	ND	101	45-130	6	20	
Fluorene	2750	330	ug/kg	3330	ND	83	55-120	1	20	
Hexachlorobenzene	2630	330	ug/kg	3330	ND	79	35-120	2	25	
Hexachlorobutadiene	2160	330	ug/kg	3330	ND	65	40-120	8	20	
Hexachlorocyclopentadiene	1440	830	ug/kg	3330	ND	43	30-145	17	30	
Hexachloroethane	2130	330	ug/kg	3330	ND	64	40-120	5	20	
Indeno(1,2,3-cd)pyrene	2660	330	ug/kg	3330	ND	80	25-150	2	25	
Isophorone	2550	330	ug/kg	3330	ND	77	40-120	2	20	
2-Methylnaphthalene	2430	330	ug/kg	3330	ND	73	40-120	1	20	
2-Methylphenol	2410	330	ug/kg	3330	ND	72	40-120	4	20	
4-Methylphenol	2520	330	ug/kg	3330	ND	76	40-120	7	20	
Naphthalene	2500	330	ug/kg	3330	ND	75	40-120	3	20	
2-Nitroaniline	3420	330	ug/kg	3330	ND	103	55-130	1	20	
3-Nitroaniline	2710	330	ug/kg	3330	ND	81	40-140	4	25	
4-Nitroaniline	3450	830	ug/kg	3330	ND	104	40-160	7	20	

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 SB0202/31  
 Report Number: INE1447

 Sampled: 05/24/04  
 Received: 05/24/04

**METHOD BLANK/QC DATA**
**SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25044 Extracted: 05/25/04</b>										
<b>Matrix Spike Dup Analyzed: 05/26/04 (4E25044-MSD1)</b>					<b>Source: INE1411-02</b>					
Nitrobenzene	2610	330	ug/kg	3330	ND	78	45-120	4	20	
2-Nitrophenol	2330	330	ug/kg	3330	ND	70	40-120	7	20	
4-Nitrophenol	2620	830	ug/kg	3330	ND	79	35-135	21	25	
n-Nitrosodiphenylamine	2890	330	ug/kg	3330	ND	87	55-120	1	20	
n-Nitroso-di-n-propylamine	2810	250	ug/kg	3330	ND	84	40-120	1	20	
Pentachlorophenol	2740	830	ug/kg	3330	ND	82	40-120	3	20	
Phenanthrene	2930	330	ug/kg	3330	ND	88	55-120	1	20	
Phenol	2330	330	ug/kg	3330	ND	70	40-120	1	20	
Pyrene	2640	330	ug/kg	3330	ND	79	50-120	1	20	
1,2,4-Trichlorobenzene	2090	330	ug/kg	3330	ND	63	45-120	4	20	
2,4,5-Trichlorophenol	2820	330	ug/kg	3330	ND	85	55-120	5	20	
2,4,6-Trichlorophenol	2560	330	ug/kg	3330	ND	77	40-120	1	20	
1,2-Diphenylhydrazine/Azobenzene	4530	330	ug/kg	3330	ND	136	60-120	3	20	M7
Surrogate: 2-Fluorophenol	3930		ug/kg	6670		59	25-120			
Surrogate: Phenol-d6	4560		ug/kg	6670		68	30-120			
Surrogate: 2,4,6-Tribromophenol	5520		ug/kg	6670		83	35-120			
Surrogate: Nitrobenzene-d5	2410		ug/kg	3330		72	30-120			
Surrogate: 2-Fluorobiphenyl	2240		ug/kg	3330		67	35-120			
Surrogate: Terphenyl-d14	2610		ug/kg	3330		78	35-155			

**Batch: 4E26067 Extracted: 05/26/04**
**Blank Analyzed: 05/28/04 (4E26067-BLK1)**

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							

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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	RPD Limit	Data Qualifiers
<b>Batch: 4E26067 Extracted: 05/26/04</b>										
<b>Blank Analyzed: 05/28/04 (4E26067-BLK1)</b>										
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							
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							

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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: 4E26067 Extracted: 05/26/04</b>										
<b>Blank Analyzed: 05/28/04 (4E26067-BLK1)</b>										
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	4690		ug/kg	6670		70	25-120			
Surrogate: Phenol-d6	5040		ug/kg	6670		76	30-120			
Surrogate: 2,4,6-Tribromophenol	5280		ug/kg	6670		79	35-120			
Surrogate: Nitrobenzene-d5	2590		ug/kg	3330		78	30-120			
Surrogate: 2-Fluorobiphenyl	2500		ug/kg	3330		75	35-120			
Surrogate: Terphenyl-d14	2530		ug/kg	3330		76	35-155			
<b>LCS Analyzed: 06/01/04 (4E26067-BS1)</b>										
Acenaphthene	3140	330	ug/kg	3330		94	55-120			
Acenaphthylene	2930	330	ug/kg	3330		88	55-120			
Aniline	2080	420	ug/kg	3330		62	30-120			
Anthracene	3120	330	ug/kg	3330		94	55-120			
Benidine	1920	660	ug/kg	3330		58	10-180			
Benzoic acid	1860	830	ug/kg	3330		56	30-125			
Benzo(a)anthracene	2930	330	ug/kg	3330		88	65-120			
Benzo(b)fluoranthene	2440	330	ug/kg	3330		73	65-120			

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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: 4E26067 Extracted: 05/26/04</b>										
<b>LCS Analyzed: 06/01/04 (4E26067-BS1)</b>										
Benzo(k)fluoranthene	2280	330	ug/kg	3330		68	60-120			
Benzo(g,h,i)perylene	2750	330	ug/kg	3330		83	25-160			
Benzo(a)pyrene	2490	330	ug/kg	3330		75	60-120			
Benzyl alcohol	3160	330	ug/kg	3330		95	40-130			
Bis(2-chloroethoxy)methane	2840	330	ug/kg	3330		85	50-120			
Bis(2-chloroethyl)ether	2810	170	ug/kg	3330		84	40-120			
Bis(2-chloroisopropyl)ether	3630	330	ug/kg	3330		109	40-120			
Bis(2-ethylhexyl)phthalate	3260	330	ug/kg	3330		98	65-125			
4-Bromophenyl phenyl ether	2920	330	ug/kg	3330		88	50-125			
Butyl benzyl phthalate	3040	330	ug/kg	3330		91	65-120			
4-Chloroaniline	2060	330	ug/kg	3330		62	20-120			
2-Chloronaphthalene	2910	330	ug/kg	3330		87	50-120			
4-Chloro-3-methylphenol	3250	330	ug/kg	3330		98	50-120			
2-Chlorophenol	2700	330	ug/kg	3330		81	45-120			
4-Chlorophenyl phenyl ether	3040	330	ug/kg	3330		91	55-120			
Chrysene	2970	330	ug/kg	3330		89	60-120			
Dibenz(a,h)anthracene	2790	420	ug/kg	3330		84	25-160			
Dibenzofuran	2950	330	ug/kg	3330		89	55-120			
Di-n-butyl phthalate	3370	330	ug/kg	3330		101	60-120			
1,3-Dichlorobenzene	2370	330	ug/kg	3330		71	40-120			
1,4-Dichlorobenzene	2470	330	ug/kg	3330		74	40-120			
1,2-Dichlorobenzene	2510	330	ug/kg	3330		75	40-120			
3,3-Dichlorobenzidine	2250	830	ug/kg	3330		68	20-170			
2,4-Dichlorophenol	2700	330	ug/kg	3330		81	55-120			
Diethyl phthalate	3440	330	ug/kg	3330		103	55-120			
2,4-Dimethylphenol	2540	330	ug/kg	3330		76	45-120			
Dimethyl phthalate	3080	330	ug/kg	3330		92	60-120			
4,6-Dinitro-2-methylphenol	2730	420	ug/kg	3330		82	50-120			
2,4-Dinitrophenol	2400	420	ug/kg	3330		72	25-140			
2,4-Dinitrotoluene	3480	330	ug/kg	3330		105	60-140			
2,6-Dinitrotoluene	3380	330	ug/kg	3330		102	60-125			
Di-n-octyl phthalate	3550	330	ug/kg	3330		107	60-135			
Fluoranthene	3280	330	ug/kg	3330		98	55-130			
Fluorene	3000	330	ug/kg	3330		90	55-120			
Hexachlorobenzene	2760	330	ug/kg	3330		83	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: 4E26067 Extracted: 05/26/04</b>										
<b>LCS Analyzed: 06/01/04 (4E26067-BS1)</b>										
Hexachlorobutadiene	2460	330	ug/kg	3330		74	40-120			
Hexachlorocyclopentadiene	2570	830	ug/kg	3330		77	45-130			
Hexachloroethane	2620	330	ug/kg	3330		79	40-120			
Indeno(1,2,3-cd)pyrene	2550	330	ug/kg	3330		77	25-150			
Isophorone	2940	330	ug/kg	3330		88	45-120			
2-Methylnaphthalene	2780	330	ug/kg	3330		83	50-120			
2-Methylphenol	2940	330	ug/kg	3330		88	50-120			
4-Methylphenol	3230	330	ug/kg	3330		97	50-120			
Naphthalene	2820	330	ug/kg	3330		85	45-120			
2-Nitroaniline	3920	330	ug/kg	3330		118	55-130			
3-Nitroaniline	2980	330	ug/kg	3330		89	40-140			
4-Nitroaniline	3790	830	ug/kg	3330		114	40-160			
Nitrobenzene	3010	330	ug/kg	3330		90	45-120			
2-Nitrophenol	2680	330	ug/kg	3330		80	50-120			
4-Nitrophenol	3700	830	ug/kg	3330		111	45-135			
n-Nitrosodiphenylamine	3010	330	ug/kg	3330		90	55-120			
n-Nitroso-di-n-propylamine	3440	250	ug/kg	3330		103	45-120			
Pentachlorophenol	2710	830	ug/kg	3330		81	50-120			
Phenanthrene	2990	330	ug/kg	3330		90	55-120			
Phenol	2780	330	ug/kg	3330		83	45-120			
Pyrene	2650	330	ug/kg	3330		80	50-120			
1,2,4-Trichlorobenzene	2340	330	ug/kg	3330		70	45-120			
2,4,5-Trichlorophenol	2890	330	ug/kg	3330		87	55-120			
2,4,6-Trichlorophenol	2810	330	ug/kg	3330		84	55-120			
1,2-Diphenylhydrazine/Azobenzene	5020	330	ug/kg	3330		151	60-120			L
Surrogate: 2-Fluorophenol	5420		ug/kg	6670		81	25-120			
Surrogate: Phenol-d6	6120		ug/kg	6670		92	30-120			
Surrogate: 2,4,6-Tribromophenol	6300		ug/kg	6670		94	35-120			
Surrogate: Nitrobenzene-d5	2960		ug/kg	3330		89	30-120			
Surrogate: 2-Fluorobiphenyl	2670		ug/kg	3330		80	35-120			
Surrogate: Terphenyl-d14	2830		ug/kg	3330		85	35-155			

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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: 4E26067 Extracted: 05/26/04</b>										
<b>Matrix Spike Analyzed: 05/28/04 (4E26067-MS1)</b>					<b>Source: INE1560-05</b>					
Acenaphthene	2910	330	ug/kg	3330	ND	87	45-120			
Acenaphthylene	2690	330	ug/kg	3330	ND	81	45-120			
Aniline	1860	420	ug/kg	3330	ND	56	30-120			
Anthracene	2850	330	ug/kg	3330	ND	86	55-120			
Benzidine	ND	660	ug/kg	3330	ND		10-180			M2
Benzoic acid	1020	830	ug/kg	3330	ND	31	20-125			
Benzo(a)anthracene	2790	330	ug/kg	3330	ND	84	55-120			
Benzo(b)fluoranthene	2400	330	ug/kg	3330	ND	72	65-120			
Benzo(k)fluoranthene	2240	330	ug/kg	3330	ND	67	55-120			
Benzo(g,h,i)perylene	2510	330	ug/kg	3330	ND	75	25-160			
Benzo(a)pyrene	2400	330	ug/kg	3330	ND	72	60-120			
Benzyl alcohol	2810	330	ug/kg	3330	ND	84	40-130			
Bis(2-chloroethoxy)methane	2580	330	ug/kg	3330	ND	77	45-120			
Bis(2-chloroethyl)ether	2560	170	ug/kg	3330	ND	77	40-120			
Bis(2-chloroisopropyl)ether	3290	330	ug/kg	3330	ND	99	40-120			
Bis(2-ethylhexyl)phthalate	3590	330	ug/kg	3330	ND	108	60-135			
4-Bromophenyl phenyl ether	2780	330	ug/kg	3330	ND	83	50-125			
Butyl benzyl phthalate	3120	330	ug/kg	3330	ND	94	55-150			
4-Chloroaniline	1960	330	ug/kg	3330	ND	59	20-120			
2-Chloronaphthalene	2700	330	ug/kg	3330	ND	81	55-120			
4-Chloro-3-methylphenol	2880	330	ug/kg	3330	ND	86	45-125			
2-Chlorophenol	2430	330	ug/kg	3330	ND	73	40-120			
4-Chlorophenyl phenyl ether	2870	330	ug/kg	3330	ND	86	55-120			
Chrysene	2810	330	ug/kg	3330	ND	84	60-120			
Dibenz(a,h)anthracene	2540	420	ug/kg	3330	ND	76	25-160			
Dibenzofuran	2760	330	ug/kg	3330	ND	83	55-120			
Di-n-butyl phthalate	3190	330	ug/kg	3330	ND	96	60-120			
1,3-Dichlorobenzene	2060	330	ug/kg	3330	ND	62	35-120			
1,4-Dichlorobenzene	2210	330	ug/kg	3330	ND	66	40-120			
1,2-Dichlorobenzene	2240	330	ug/kg	3330	ND	67	40-120			
3,3-Dichlorobenzidine	2220	830	ug/kg	3330	ND	67	20-170			
2,4-Dichlorophenol	2330	330	ug/kg	3330	ND	70	40-120			
Diethyl phthalate	3230	330	ug/kg	3330	ND	97	55-120			
2,4-Dimethylphenol	1990	330	ug/kg	3330	ND	60	35-120			
Dimethyl phthalate	2840	330	ug/kg	3330	ND	85	50-120			

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

Table with columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Data Qualifiers. Includes a list of analytes such as 4,6-Dinitro-2-methylphenol and various chlorinated and nitro compounds.

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

Table with columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Data Qualifiers. Includes sub-sections for Matrix Spike Analyzed and Matrix Spike Dup Analyzed.

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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: 4E26067 Extracted: 05/26/04</b>										
<b>Matrix Spike Dup Analyzed: 05/28/04 (4E26067-MSD1)</b>					<b>Source: INE1560-05</b>					
3,3-Dichlorobenzidine	1940	830	ug/kg	3330	ND	58	20-170	13	25	
2,4-Dichlorophenol	2250	330	ug/kg	3330	ND	68	40-120	3	20	
Diethyl phthalate	2800	330	ug/kg	3330	ND	84	55-120	14	20	
2,4-Dimethylphenol	2170	330	ug/kg	3330	ND	65	35-120	9	25	
Dimethyl phthalate	2560	330	ug/kg	3330	ND	77	50-120	10	20	
4,6-Dinitro-2-methylphenol	1820	420	ug/kg	3330	ND	55	40-120	7	20	
2,4-Dinitrophenol	1230	420	ug/kg	3330	ND	37	20-140	1	25	
2,4-Dinitrotoluene	2650	330	ug/kg	3330	ND	80	55-140	17	20	
2,6-Dinitrotoluene	2820	330	ug/kg	3330	ND	85	55-125	6	20	
Di-n-octyl phthalate	3110	330	ug/kg	3330	ND	93	45-140	10	20	
Fluoranthene	2560	330	ug/kg	3330	ND	77	45-130	15	20	
Fluorene	2530	330	ug/kg	3330	ND	76	55-120	12	20	
Hexachlorobenzene	2640	330	ug/kg	3330	ND	79	35-120	3	25	
Hexachlorobutadiene	2180	330	ug/kg	3330	ND	65	40-120	1	20	
Hexachlorocyclopentadiene	1830	830	ug/kg	3330	ND	55	30-145	3	30	
Hexachloroethane	2300	330	ug/kg	3330	ND	69	40-120	1	20	
Indeno(1,2,3-cd)pyrene	2170	330	ug/kg	3330	ND	65	25-150	9	25	
Isophorone	2520	330	ug/kg	3330	ND	76	40-120	6	20	
2-Methylnaphthalene	2370	330	ug/kg	3330	ND	71	40-120	7	20	
2-Methylphenol	2490	330	ug/kg	3330	ND	75	40-120	2	20	
4-Methylphenol	2650	330	ug/kg	3330	ND	80	40-120	4	20	
Naphthalene	2420	330	ug/kg	3330	ND	73	40-120	6	20	
2-Nitroaniline	3060	330	ug/kg	3330	ND	92	55-130	14	20	
3-Nitroaniline	2060	330	ug/kg	3330	ND	62	40-140	29	25	R
4-Nitroaniline	2320	830	ug/kg	3330	ND	70	40-160	21	20	R
Nitrobenzene	2630	330	ug/kg	3330	ND	79	45-120	2	20	
2-Nitrophenol	2290	330	ug/kg	3330	ND	69	40-120	3	20	
4-Nitrophenol	1990	830	ug/kg	3330	ND	60	35-135	32	25	R
n-Nitrosodiphenylamine	2790	330	ug/kg	3330	ND	84	55-120	5	20	
n-Nitroso-di-n-propylamine	2990	250	ug/kg	3330	ND	90	40-120	4	20	
Pentachlorophenol	1810	830	ug/kg	3330	ND	54	40-120	4	20	
Phenanthrene	2630	330	ug/kg	3330	ND	79	55-120	7	20	
Phenol	2400	330	ug/kg	3330	ND	72	40-120	6	20	
Pyrene	2750	330	ug/kg	3330	ND	83	50-120	4	20	
1,2,4-Trichlorobenzene	2030	330	ug/kg	3330	ND	61	45-120	5	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: 4E26067 Extracted: 05/26/04</b>										
<b>Matrix Spike Dup Analyzed: 05/28/04 (4E26067-MSD1)</b>					<b>Source: INE1560-05</b>					
2,4,5-Trichlorophenol	2380	330	ug/kg	3330	ND	71	55-120	11	20	
2,4,6-Trichlorophenol	2440	330	ug/kg	3330	ND	73	40-120	4	20	
1,2-Diphenylhydrazine/Azobenzene	4040	330	ug/kg	3330	ND	121	60-120	16	20	M7
Surrogate: 2-Fluorophenol	4550		ug/kg	6670		68	25-120			
Surrogate: Phenol-d6	5110		ug/kg	6670		77	30-120			
Surrogate: 2,4,6-Tribromophenol	5370		ug/kg	6670		81	35-120			
Surrogate: Nitrobenzene-d5	2540		ug/kg	3330		76	30-120			
Surrogate: 2-Fluorobiphenyl	2400		ug/kg	3330		72	35-120			
Surrogate: Terphenyl-d14	2850		ug/kg	3330		86	35-155			

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E25067 Extracted: 05/25/04</b>										
<b>Blank Analyzed: 05/25/04 (4E25067-BLK1)</b>										
Mercury	ND	0.020	mg/kg							
<b>LCS Analyzed: 05/25/04 (4E25067-BS1)</b>										
Mercury	0.795	0.020	mg/kg	0.800		99	85-120			
<b>Matrix Spike Analyzed: 05/25/04 (4E25067-MS1)</b>										
					<b>Source: INE1435-05</b>					
Mercury	0.893	0.020	mg/kg	0.800	0.068	103	65-135			
<b>Matrix Spike Dup Analyzed: 05/25/04 (4E25067-MSD1)</b>										
					<b>Source: INE1435-05</b>					
Mercury	0.903	0.020	mg/kg	0.800	0.068	104	65-135	1	20	
<b>Batch: 4E27084 Extracted: 05/27/04</b>										
<b>Blank Analyzed: 05/29/04 (4E27084-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							

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E27084 Extracted: 05/27/04</b>									
<b>LCS Analyzed: 05/29/04 (4E27084-BS1)</b>									
Antimony	48.9	10	mg/kg	50.0		98		80-120	
Arsenic	48.2	2.0	mg/kg	50.0		96		80-120	
Barium	49.2	1.0	mg/kg	50.0		98		80-120	
Beryllium	48.2	0.50	mg/kg	50.0		96		80-120	
Cadmium	47.7	0.50	mg/kg	50.0		95		80-120	
Chromium	48.5	1.0	mg/kg	50.0		97		80-120	
Cobalt	47.9	1.0	mg/kg	50.0		96		80-120	
Copper	48.9	2.0	mg/kg	50.0		98		80-120	
Lead	48.1	2.0	mg/kg	50.0		96		80-120	
Molybdenum	48.3	2.0	mg/kg	50.0		97		80-120	
Nickel	48.1	2.0	mg/kg	50.0		96		80-120	
Selenium	46.7	2.0	mg/kg	50.0		93		80-120	
Silver	25.0	1.0	mg/kg	25.0		100		80-120	
Thallium	45.8	10	mg/kg	50.0		92		80-120	
Vanadium	48.9	1.0	mg/kg	50.0		98		80-120	
Zinc	48.5	5.0	mg/kg	50.0		97		80-120	
<b>Matrix Spike Analyzed: 05/29/04 (4E27084-MS1)</b>									
					<b>Source: INE1538-02</b>				
Antimony	27.0	10	mg/kg	50.0	0.96	52		75-125	M2
Arsenic	48.4	2.0	mg/kg	50.0	2.0	93		75-125	
Barium	85.7	1.0	mg/kg	50.0	41	89		75-125	
Beryllium	47.1	0.50	mg/kg	50.0	0.28	94		75-125	
Cadmium	46.2	0.50	mg/kg	50.0	0.15	92		75-125	
Chromium	61.3	1.0	mg/kg	50.0	14	95		75-125	
Cobalt	48.1	1.0	mg/kg	50.0	1.7	93		75-125	
Copper	57.0	2.0	mg/kg	50.0	8.0	98		75-125	
Lead	119	2.0	mg/kg	50.0	95	48		75-125	M2
Molybdenum	45.8	2.0	mg/kg	50.0	0.48	91		75-125	
Nickel	52.9	2.0	mg/kg	50.0	4.8	96		75-125	
Selenium	44.0	2.0	mg/kg	50.0	ND	88		75-125	
Silver	24.6	1.0	mg/kg	25.0	ND	98		75-125	
Thallium	44.4	10	mg/kg	50.0	0.74	87		75-125	
Vanadium	66.9	1.0	mg/kg	50.0	19	96		75-125	
Zinc	66.3	5.0	mg/kg	50.0	21	91		75-125	

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**METHOD BLANK/QC DATA**

**METALS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4E27084 Extracted: 05/27/04</b>										
<b>Matrix Spike Dup Analyzed: 05/29/04 (4E27084-MSD1)</b>					<b>Source: INE1538-02</b>					
Antimony	30.2	10	mg/kg	50.0	0.96	58	75-125	11	20	M2
Arsenic	50.8	2.0	mg/kg	50.0	2.0	98	75-125	5	20	
Barium	92.4	1.0	mg/kg	50.0	41	103	75-125	8	20	
Beryllium	49.0	0.50	mg/kg	50.0	0.28	97	75-125	4	20	
Cadmium	48.0	0.50	mg/kg	50.0	0.15	96	75-125	4	20	
Chromium	72.8	1.0	mg/kg	50.0	14	118	75-125	17	20	
Cobalt	49.9	1.0	mg/kg	50.0	1.7	96	75-125	4	20	
Copper	59.5	2.0	mg/kg	50.0	8.0	103	75-125	4	20	
Lead	116	2.0	mg/kg	50.0	95	42	75-125	3	20	M2
Molybdenum	48.1	2.0	mg/kg	50.0	0.48	95	75-125	5	20	
Nickel	54.5	2.0	mg/kg	50.0	4.8	99	75-125	3	20	
Selenium	47.0	2.0	mg/kg	50.0	ND	94	75-125	7	20	
Silver	25.5	1.0	mg/kg	25.0	ND	102	75-125	4	20	
Thallium	47.2	10	mg/kg	50.0	0.74	93	75-125	6	20	
Vanadium	68.2	1.0	mg/kg	50.0	19	98	75-125	2	20	
Zinc	69.4	5.0	mg/kg	50.0	21	97	75-125	5	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: 4F01072 Extracted: 06/01/04</b>										
<b>Blank Analyzed: 06/02/04 (4F01072-BLK1)</b>										
Organic Lead	ND	25	ug/kg							
<b>LCS Analyzed: 06/02/04 (4F01072-BS1)</b>										
Organic Lead	108	25	ug/kg	100		108	80-120			
<b>Matrix Spike Analyzed: 06/02/04 (4F01072-MS1)</b>										
Organic Lead	271	120	ug/kg	100	260	11	80-120			M2
<b>Matrix Spike Dup Analyzed: 06/02/04 (4F01072-MSD1)</b>										
Organic Lead	439	120	ug/kg	100	260	179	80-120	47	20	MI, R-3

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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: 4E25053 Extracted: 05/25/04</b>										
<b>Duplicate Analyzed: 05/25/04 (4E25053-DUP1)</b>										
pH	7.92	NA	pH Units		7.91			0	5	
<b>Batch: 4E27077 Extracted: 05/27/04</b>										
<b>Blank Analyzed: 05/27/04 (4E27077-BLK1)</b>										
Chromium VI	ND	0.20	mg/kg							
<b>LCS Analyzed: 05/27/04 (4E27077-BS1)</b>										
Chromium VI	4.41	0.20	mg/kg	5.00		88	65-110			
<b>Matrix Spike Analyzed: 05/27/04 (4E27077-MS1)</b>										
Chromium VI	93.7	4.0	mg/kg	5.00	100	-126	55-110			M-HA
<b>Matrix Spike Dup Analyzed: 05/27/04 (4E27077-MSD1)</b>										
Chromium VI	93.3	4.0	mg/kg	5.00	100	-134	55-110	0	20	M-HA
<b>Batch: 4F01041 Extracted: 06/01/04</b>										
<b>Blank Analyzed: 06/01/04 (4F01041-BLK1)</b>										
Oil & Grease	ND	5.0	mg/kg							
<b>LCS Analyzed: 06/01/04 (4F01041-BS1)</b>										
Oil & Grease	15.0	5.0	mg/kg	20.0		75	55-130			
<b>Matrix Spike Analyzed: 06/01/04 (4F01041-MS1)</b>										
Oil & Grease	88600	1500	mg/kg	120	78000	8830	35-130			M-HA

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**METHOD BLANK/QC DATA**

**INORGANICS**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4F01041 Extracted: 06/01/04</b>										
<b>Matrix Spike Dup Analyzed: 06/01/04 (4F01041-MSD1)</b>					<b>Source: INE1627-03</b>					
Oil & Grease	95100	1500	mg/kg	120	78000	14200	35-130	7	25	M-HA

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### METHOD BLANK/QC DATA

#### Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4060037 Extracted: 06/02/04</b>										
<b>Blank Analyzed: 06/04/04 (4060037-BLK1)</b>										
Aldrin	ND	1.7	ug/kg							
alpha-BHC	ND	3.3	ug/kg							
beta-BHC	ND	3.3	ug/kg							
delta-BHC	ND	3.3	ug/kg							
gamma-BHC (Lindane)	ND	1.7	ug/kg							
Chlordane (tech)	ND	33	ug/kg							
4,4'-DDD	ND	3.3	ug/kg							
4,4'-DDE	ND	3.3	ug/kg							
4,4'-DDT	ND	3.3	ug/kg							
Dieldrin	ND	3.3	ug/kg							
Endosulfan I	ND	1.7	ug/kg							
Endosulfan II	ND	3.3	ug/kg							
Endosulfan sulfate	ND	3.3	ug/kg							
Endrin	ND	1.7	ug/kg							
Endrin aldehyde	ND	6.6	ug/kg							
Heptachlor	ND	1.7	ug/kg							
Heptachlor epoxide	ND	1.7	ug/kg							
Methoxychlor	ND	6.6	ug/kg							
Toxaphene	ND	66	ug/kg							
Surrogate: Tetrachloro-meta-xylene	41.5		ug/kg	66.7		62	44-108			
Surrogate: Decachlorobiphenyl	50.2		ug/kg	66.7		75	46-115			
<b>LCS Analyzed: 06/04/04 (4060037-BS1)</b>										
Aldrin	18.4	1.7	ug/kg	33.3		55	36-122			
gamma-BHC (Lindane)	19.1	1.7	ug/kg	33.3		57	57-123			
4,4'-DDT	34.3	3.3	ug/kg	33.3		103	67-122			
Dieldrin	24.0	3.3	ug/kg	33.3		72	62-107			
Endrin	25.3	1.7	ug/kg	33.3		76	56-120			
Heptachlor	20.3	1.7	ug/kg	33.3		61	43-110			
Surrogate: Tetrachloro-meta-xylene	32.7		ug/kg	66.7		49	44-108			
Surrogate: Decachlorobiphenyl	48.3		ug/kg	66.7		72	46-115			

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## METHOD BLANK/QC DATA

### Organochlorine Pesticides by EPA Method 8081A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4060037 Extracted: 06/02/04</b>										
<b>Matrix Spike Analyzed: 06/04/04 (4060037-MS1)</b>					<b>Source: P405480-04</b>					
Aldrin	26.2	1.7	ug/kg	33.3	ND	79	16-132			
gamma-BHC (Lindane)	19.1	1.7	ug/kg	33.3	ND	57	30-124			
4,4'-DDT	28.7	3.3	ug/kg	33.3	ND	86	14-146			
Dieldrin	24.2	3.3	ug/kg	33.3	ND	73	32-122			
Endrin	25.9	1.7	ug/kg	33.3	ND	78	18-151			
Heptachlor	24.7	1.7	ug/kg	33.3	ND	74	26-129			
Surrogate: Tetrachloro-meta-xylene	42.6		ug/kg	66.7		64	44-108			
Surrogate: Decachlorobiphenyl	43.0		ug/kg	66.7		64	46-115			
<b>Matrix Spike Dup Analyzed: 06/04/04 (4060037-MSD1)</b>					<b>Source: P405480-04</b>					
Aldrin	21.5	1.7	ug/kg	33.3	ND	65	16-132	20	35	
gamma-BHC (Lindane)	14.0	1.7	ug/kg	33.3	ND	42	30-124	31	35	
4,4'-DDT	22.6	3.3	ug/kg	33.3	ND	68	14-146	24	35	
Dieldrin	21.2	3.3	ug/kg	33.3	ND	64	32-122	13	35	
Endrin	23.0	1.7	ug/kg	33.3	ND	69	18-151	12	35	
Heptachlor	21.6	1.7	ug/kg	33.3	ND	65	26-129	13	35	
Surrogate: Tetrachloro-meta-xylene	36.5		ug/kg	66.7		55	44-108			
Surrogate: Decachlorobiphenyl	38.3		ug/kg	66.7		57	46-115			

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**METHOD BLANK/QC DATA**

**Polychlorinated Biphenyls by EPA Method 8082**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4050358 Extracted: 06/02/04</b>										
<b>Blank Analyzed: 06/02/04 (4050358-BLK2)</b>										
PCB-1016	ND	20	ug/kg							
PCB-1221	ND	20	ug/kg							
PCB-1232	ND	20	ug/kg							
PCB-1242	ND	20	ug/kg							
PCB-1248	ND	20	ug/kg							
PCB-1254	ND	20	ug/kg							
PCB-1260	ND	20	ug/kg							
Surrogate: Decachlorobiphenyl	29.6		ug/kg	33.3		89	50-150			
<b>LCS Analyzed: 06/02/04 (4050358-BS2)</b>										
PCB-1016	294	20	ug/kg	333		88	50-150			
PCB-1260	292	20	ug/kg	333		88	50-150			
Surrogate: Decachlorobiphenyl	28.4		ug/kg	33.3		85	50-150			

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Sampled: 05/24/04  
Received: 05/24/04

### DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- CF1** Primary and confirmation results varied by greater than 40% RPD. The results may still be useful for their intended purpose.
- L** Laboratory Control Sample recovery was above the method control limits. Analyte not detected, data not impacted.
- 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).
- M7** The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
- M8** The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- M-NR** No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- R-01** The Reporting Limit for this analyte has been raised to account for matrix interference.
- R-2** The RPD exceeded the method control limit.
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-2** Reporting limit raised due to high concentrations of hydrocarbons.
- S08** The surrogate recovery for this sample is not available due to sample dilution which was required by high analyte concentration and/or matrix interference.
- S09** The recovery of this surrogate is outside control limits due to sample dilution which was required by high analyte concentration in the sample and/or matrix interference.
- 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.

**Del Mar Analytical, Irvine**  
Amanda Cordova  
Project Manager



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

Project ID: Ascon - Soils  
 SB0202/31  
 Report Number: INE1447

Sampled: 05/24/04  
 Received: 05/24/04

## Certification Summary

### Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
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).*

### Subcontracted Laboratories

#### Sequoia Analytical-Petaluma CA ELAP Cert #2374

1455 N. McDowell Boulevard, Suite. D - Petaluma, CA 94954

Method Performed: EPA 8081A

Samples: INE1447-01, INE1447-02, INE1447-03

#### Sequoia Analytical-Sacramento CA ELAP Cert #1624

819 Striker Avenue, Suite 8 - Sacramento, CA 95834

Method Performed: EPA 8082

Samples: INE1447-01, INE1447-02, INE1447-03

### Del Mar Analytical, Irvine

Amanda Cordova

Project Manager



2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228  
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046  
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689  
 9850 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851  
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

# CHAIN OF CUSTODY FORM

Client Name/Address: GeoSyntec 2100 Main St. #150 Hercules CA 92648		P.O. #: S80202/31		Project: ASCOM LF		ANALYSIS REQUIRED		INE1447	
Project Manager/Phone Number: Mike Reardon (714) 969-0800		Phone Number: (714) 969-0800		Fax Number: (714) 969-0820		See Project List 9095			
Sampler: Gary Yoshida								Special Instructions 1 802 jar / 2 4oz jars	
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	X	X		
PNL-L5A	Soil	g/glass	3	5-27-04 0944	NONE	X	X		
PNL-L4B	Soil	g/glass	3	5-24-04 1055	NONE	X	X		
PNL-L4A	Soil	g/glass	3	5-24-04 1415	NONE	X	X		
<del>_____</del>									
Relinquished By Tommy Ojaya		Date/Time: 5/24/04 1643		Received By Mike Reardon		Date/Time: 5-24-04 1643		Turnaround Time: (check) Same Day _____ 72 Hours _____ 24 Hours _____ 5 days _____ 48 hours _____ normal _____ X Sample integrity: (Check) Intact _____ On Ice: _____	
Relinquished By Mike Reardon		Date/Time: 5-24-04 1710		Received By Van Bank		Date/Time: 5-24-04			

