



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: 05/18/04
Received: 05/19/04
Issued: 06/21/04 04:45

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.*

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 6°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: Laboratory unable to perform Organic Lead analysis on sample PNL-TP05-Stockpile (INE1120-02) due to insufficient sample volume.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.
ADDITIONAL INFORMATION: This report is comprised of all analytical results.

LABORATORY ID	CLIENT ID	MATRIX
INE1120-01	PNL-TP01-WASTE	Soil
INE1120-02	PNL-TP05-Stockpile	Soil
INE1120-03	PNL-TP06-Stockpile	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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Sampled: 05/18/04
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CORRECTIVE ACTION REPORT

Department: GCMS-Semivolatiles

Date: 05/27/2004

Method: EPA 8270C

Matrix: Soil

QC Batch: 4E21052

Identification and Definition of Problem:

The percent recoveries for Benzoic acid, 4,6-Dinitro-2-methylphenl, 2,4-Dinitrophenol, Hexachlorocyclopentadiene, and Pentachlorophenol in the LCS were below method acceptance limits.

Determination of the Cause of the Problem:

A definitive cause for the QC failure has not been determined.

Corrective Action Taken:

All results reported for these 5 compounds are potentially biased low and can be considered estimates only.

Quality Assurance Approval:

Dave Dawes

Date: 05/29/2004 12:08 PM

Del Mar Analytical, Irvine
Amanda Cordova
Project Manager



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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
Sample ID: INE1120-01 (PNL-TP01-WASTE - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4E20040	150	14000	5	5/20/2004	5/20/2004	
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4E20040	50	1500	10	5/20/2004	5/20/2004	
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4E20040	500	10000	100	5/20/2004	5/20/2004	

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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
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4E19092	30	ND	6	5/19/2004	5/25/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4E19092	30	640	6	5/19/2004	5/25/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4E19092	30	650	6	5/19/2004	5/25/2004	
<i>Surrogate: n-Octacosane (50-125%)</i>				<i>144 %</i>				<i>ZX</i>
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: mg/kg								
GRO (C6 - C12)	EPA 8015B MOD.	4E19092	1000	ND	200	5/19/2004	5/25/2004	
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4E19092	1000	19000	200	5/19/2004	5/25/2004	
EFH (C6 - C40)	EPA 8015B MOD.	4E19092	1000	20000	200	5/19/2004	5/25/2004	
<i>Surrogate: n-Octacosane (50-125%)</i>				<i>2160 %</i>				<i>Z3</i>

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-01 (PNL-TP01-WASTE - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4E21020	1000	5300	1000	5/21/2004	5/22/2004	
Bromobenzene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Bromochloromethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Bromodichloromethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Bromoform	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Bromomethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
n-Butylbenzene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
sec-Butylbenzene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
tert-Butylbenzene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Carbon tetrachloride	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Chlorobenzene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Chloroethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Chloroform	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Chloromethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
2-Chlorotoluene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
4-Chlorotoluene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Dibromochloromethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Dibromomethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,2-Dichlorobenzene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,3-Dichlorobenzene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,4-Dichlorobenzene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Dichlorodifluoromethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
1,1-Dichloroethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,2-Dichloroethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,1-Dichloroethene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
cis-1,2-Dichloroethene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
trans-1,2-Dichloroethene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,2-Dichloropropane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,3-Dichloropropane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
2,2-Dichloropropane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	C
1,1-Dichloropropene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
cis-1,3-Dichloropropene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
trans-1,3-Dichloropropene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Ethylbenzene	EPA 8260B	4E21020	1000	57000	1000	5/21/2004	5/22/2004	
Hexachlorobutadiene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
Isopropylbenzene	EPA 8260B	4E21020	1000	4900	1000	5/21/2004	5/22/2004	
p-Isopropyltoluene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Methylene chloride	EPA 8260B	4E21020	10000	ND	1000	5/21/2004	5/22/2004	
Naphthalene	EPA 8260B	4E21020	2500	23000	1000	5/21/2004	5/22/2004	

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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
Sample ID: INE1120-01 (PNL-TP01-WASTE - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4E21020	1000	21000	1000	5/21/2004	5/22/2004	
Styrene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Tetrachloroethene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Toluene	EPA 8260B	4E21020	1000	31000	1000	5/21/2004	5/22/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
1,1,1-Trichloroethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
1,1,2-Trichloroethane	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Trichloroethene	EPA 8260B	4E21020	1000	ND	1000	5/21/2004	5/22/2004	
Trichlorofluoromethane	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
1,2,3-Trichloropropane	EPA 8260B	4E21020	5000	ND	1000	5/21/2004	5/22/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4E21020	1000	120000	1000	5/21/2004	5/22/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4E21020	1000	45000	1000	5/21/2004	5/22/2004	
Vinyl chloride	EPA 8260B	4E21020	2500	ND	1000	5/21/2004	5/22/2004	
o-Xylene	EPA 8260B	4E21020	1000	65000	1000	5/21/2004	5/22/2004	
m,p-Xylenes	EPA 8260B	4E21020	1000	170000	1000	5/21/2004	5/22/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				92 %				Z3
<i>Surrogate: Toluene-d8 (60-160%)</i>				1000 %				Z3
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				134 %				Z3

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								RL-4
Reporting Units: ug/kg								
Benzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Bromobenzene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Bromochloromethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Bromodichloromethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Bromoform	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Bromomethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
n-Butylbenzene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
sec-Butylbenzene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
tert-Butylbenzene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Carbon tetrachloride	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Chlorobenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Chloroethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Chloroform	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Chloromethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
2-Chlorotoluene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
4-Chlorotoluene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Dibromochloromethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Dibromomethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,2-Dichlorobenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,3-Dichlorobenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,4-Dichlorobenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Dichlorodifluoromethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
1,1-Dichloroethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,2-Dichloroethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,1-Dichloroethene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
cis-1,2-Dichloroethene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
trans-1,2-Dichloroethene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,2-Dichloropropane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,3-Dichloropropane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
2,2-Dichloropropane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,1-Dichloropropene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
cis-1,3-Dichloropropene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
trans-1,3-Dichloropropene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Ethylbenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Hexachlorobutadiene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
Isopropylbenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
p-Isopropyltoluene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Methylene chloride	EPA 8260B	4E23003	200	ND	10	5/23/2004	5/23/2004	
Naphthalene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil) - cont.								RL-4
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Styrene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Tetrachloroethene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Toluene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
1,1,1-Trichloroethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,1,2-Trichloroethane	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Trichloroethene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Trichlorofluoromethane	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
1,2,3-Trichloropropane	EPA 8260B	4E23003	100	ND	10	5/23/2004	5/23/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
Vinyl chloride	EPA 8260B	4E23003	50	ND	10	5/23/2004	5/23/2004	
o-Xylene	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
m,p-Xylenes	EPA 8260B	4E23003	20	ND	10	5/23/2004	5/23/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				105 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				103 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				100 %				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Bromobenzene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Bromochloromethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Bromodichloromethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Bromoform	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Bromomethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
n-Butylbenzene	EPA 8260B	4E22016	250	640	100	5/22/2004	5/22/2004	
sec-Butylbenzene	EPA 8260B	4E22016	250	440	100	5/22/2004	5/22/2004	
tert-Butylbenzene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Carbon tetrachloride	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Chlorobenzene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Chloroethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Chloroform	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	M1
Chloromethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
2-Chlorotoluene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
4-Chlorotoluene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Dibromochloromethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	M1
1,2-Dibromoethane (EDB)	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Dibromomethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,2-Dichlorobenzene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,3-Dichlorobenzene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,4-Dichlorobenzene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Dichlorodifluoromethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
1,1-Dichloroethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,2-Dichloroethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,1-Dichloroethene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
cis-1,2-Dichloroethene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	M1
trans-1,2-Dichloroethene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,2-Dichloropropane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	M1
1,3-Dichloropropane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
2,2-Dichloropropane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,1-Dichloropropene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
cis-1,3-Dichloropropene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	M1
trans-1,3-Dichloropropene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Ethylbenzene	EPA 8260B	4E22016	100	320	100	5/22/2004	5/22/2004	
Hexachlorobutadiene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
Isopropylbenzene	EPA 8260B	4E22016	100	520	100	5/22/2004	5/22/2004	
p-Isopropyltoluene	EPA 8260B	4E22016	100	280	100	5/22/2004	5/22/2004	
Methylene chloride	EPA 8260B	4E22016	1000	ND	100	5/22/2004	5/22/2004	
Naphthalene	EPA 8260B	4E22016	250	1900	100	5/22/2004	5/22/2004	

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4E22016	100	820	100	5/22/2004	5/22/2004	
Styrene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Tetrachloroethene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Toluene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
1,1,1-Trichloroethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
1,1,2-Trichloroethane	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	M1
Trichloroethene	EPA 8260B	4E22016	100	ND	100	5/22/2004	5/22/2004	
Trichlorofluoromethane	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
1,2,3-Trichloropropane	EPA 8260B	4E22016	500	ND	100	5/22/2004	5/22/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4E22016	100	840	100	5/22/2004	5/22/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4E22016	100	230	100	5/22/2004	5/22/2004	
Vinyl chloride	EPA 8260B	4E22016	250	ND	100	5/22/2004	5/22/2004	
o-Xylene	EPA 8260B	4E22016	100	210	100	5/22/2004	5/22/2004	
m,p-Xylenes	EPA 8260B	4E22016	100	490	100	5/22/2004	5/22/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				<i>118 %</i>				
<i>Surrogate: Toluene-d8 (60-160%)</i>				<i>139 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				<i>138 %</i>				

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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
Sample ID: INE1120-01RE1 (PNL-TP01-WASTE - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4E25044	13000	87000	40	5/25/2004	5/27/2004	
Acenaphthylene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Aniline	EPA 8270C	4E25044	17000	ND	40	5/25/2004	5/27/2004	
Anthracene	EPA 8270C	4E25044	13000	46000	40	5/25/2004	5/27/2004	
Benzidine	EPA 8270C	4E25044	26000	ND	40	5/25/2004	5/27/2004	
Benzoic acid	EPA 8270C	4E25044	33000	ND	40	5/25/2004	5/27/2004	
Benzo(a)anthracene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Benzo(b)fluoranthene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Benzo(k)fluoranthene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Benzo(g,h,i)perylene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Benzo(a)pyrene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Benzyl alcohol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4E25044	6700	ND	40	5/25/2004	5/27/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	C
Bis(2-ethylhexyl)phthalate	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Butyl benzyl phthalate	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Chloroaniline	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2-Chloronaphthalene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Chloro-3-methylphenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2-Chlorophenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Chrysene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Dibenz(a,h)anthracene	EPA 8270C	4E25044	17000	ND	40	5/25/2004	5/27/2004	
Dibenzofuran	EPA 8270C	4E25044	13000	60000	40	5/25/2004	5/27/2004	
Di-n-butyl phthalate	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
1,3-Dichlorobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
1,4-Dichlorobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
1,2-Dichlorobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
3,3-Dichlorobenzidine	EPA 8270C	4E25044	33000	ND	40	5/25/2004	5/27/2004	
2,4-Dichlorophenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Diethyl phthalate	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2,4-Dimethylphenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Dimethyl phthalate	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4E25044	17000	ND	40	5/25/2004	5/27/2004	
2,4-Dinitrophenol	EPA 8270C	4E25044	17000	ND	40	5/25/2004	5/27/2004	
2,4-Dinitrotoluene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2,6-Dinitrotoluene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Di-n-octyl phthalate	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Fluoranthene	EPA 8270C	4E25044	13000	83000	40	5/25/2004	5/27/2004	

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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
Sample ID: INE1120-01RE1 (PNL-TP01-WASTE - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4E25044	13000	78000	40	5/25/2004	5/27/2004	
Hexachlorobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Hexachlorobutadiene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Hexachlorocyclopentadiene	EPA 8270C	4E25044	33000	ND	40	5/25/2004	5/27/2004	
Hexachloroethane	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4E25044	13000	19000	40	5/25/2004	5/27/2004	
Isophorone	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2-Methylnaphthalene	EPA 8270C	4E25044	13000	100000	40	5/25/2004	5/27/2004	
2-Methylphenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Methylphenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Naphthalene	EPA 8270C	4E25044	13000	290000	40	5/25/2004	5/27/2004	
2-Nitroaniline	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
3-Nitroaniline	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Nitroaniline	EPA 8270C	4E25044	33000	ND	40	5/25/2004	5/27/2004	
Nitrobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2-Nitrophenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
4-Nitrophenol	EPA 8270C	4E25044	33000	ND	40	5/25/2004	5/27/2004	
N-Nitrosodiphenylamine	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4E25044	10000	ND	40	5/25/2004	5/27/2004	
Pentachlorophenol	EPA 8270C	4E25044	33000	ND	40	5/25/2004	5/27/2004	
Phenanthrene	EPA 8270C	4E25044	13000	210000	40	5/25/2004	5/27/2004	
Phenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
Pyrene	EPA 8270C	4E25044	13000	54000	40	5/25/2004	5/27/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2,4,5-Trichlorophenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
2,4,6-Trichlorophenol	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4E25044	13000	ND	40	5/25/2004	5/27/2004	C, L
Surrogate: 2-Fluorophenol (25-120%)				74 %				Z3
Surrogate: Phenol-d6 (30-120%)				76 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				70 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				118 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				77 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				114 %				Z3

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								A-01a, RL-1
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Acenaphthylene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Aniline	EPA 8270C	4E21052	10000	ND	25	5/21/2004	5/24/2004	
Anthracene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Benzidine	EPA 8270C	4E21052	16000	ND	25	5/21/2004	5/24/2004	
Benzoic acid	EPA 8270C	4E21052	21000	ND	25	5/21/2004	5/24/2004	
Benzo(a)anthracene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Benzo(b)fluoranthene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Benzo(k)fluoranthene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Benzo(g,h,i)perylene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Benzo(a)pyrene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Benzyl alcohol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4E21052	4200	ND	25	5/21/2004	5/24/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Butyl benzyl phthalate	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Chloroaniline	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2-Chloronaphthalene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Chloro-3-methylphenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2-Chlorophenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Chrysene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Dibenz(a,h)anthracene	EPA 8270C	4E21052	10000	ND	25	5/21/2004	5/24/2004	
Dibenzofuran	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Di-n-butyl phthalate	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
1,3-Dichlorobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
1,4-Dichlorobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
1,2-Dichlorobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
3,3-Dichlorobenzidine	EPA 8270C	4E21052	21000	ND	25	5/21/2004	5/24/2004	
2,4-Dichlorophenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Diethyl phthalate	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2,4-Dimethylphenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Dimethyl phthalate	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4E21052	10000	ND	25	5/21/2004	5/24/2004	
2,4-Dinitrophenol	EPA 8270C	4E21052	10000	ND	25	5/21/2004	5/24/2004	
2,4-Dinitrotoluene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2,6-Dinitrotoluene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Di-n-octyl phthalate	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Fluoranthene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	

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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
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil) - cont.								A-01a, RL-1
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Hexachlorobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Hexachlorobutadiene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Hexachlorocyclopentadiene	EPA 8270C	4E21052	21000	ND	25	5/21/2004	5/24/2004	
Hexachloroethane	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Isophorone	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2-Methylnaphthalene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2-Methylphenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Methylphenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Naphthalene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2-Nitroaniline	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
3-Nitroaniline	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Nitroaniline	EPA 8270C	4E21052	21000	ND	25	5/21/2004	5/24/2004	
Nitrobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2-Nitrophenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
4-Nitrophenol	EPA 8270C	4E21052	21000	ND	25	5/21/2004	5/24/2004	
N-Nitrosodiphenylamine	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4E21052	6200	ND	25	5/21/2004	5/24/2004	
Pentachlorophenol	EPA 8270C	4E21052	21000	ND	25	5/21/2004	5/24/2004	
Phenanthrene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Phenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Pyrene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2,4,5-Trichlorophenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
2,4,6-Trichlorophenol	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4E21052	8300	ND	25	5/21/2004	5/24/2004	
Surrogate: 2-Fluorophenol (25-120%)				64 %				Z3
Surrogate: Phenol-d6 (30-120%)				61 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				18 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				63 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				62 %				Z3

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03RE1 (PNL-TP06-Stockpile - Soil)								RL-2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Acenaphthylene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Aniline	EPA 8270C	4E25044	13000	ND	30	5/25/2004	5/27/2004	
Anthracene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Benzidine	EPA 8270C	4E25044	20000	ND	30	5/25/2004	5/27/2004	
Benzoic acid	EPA 8270C	4E25044	25000	ND	30	5/25/2004	5/27/2004	
Benzo(a)anthracene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Benzo(b)fluoranthene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Benzo(k)fluoranthene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Benzo(g,h,i)perylene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Benzo(a)pyrene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Benzyl alcohol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4E25044	5000	ND	30	5/25/2004	5/27/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	C
Bis(2-ethylhexyl)phthalate	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Butyl benzyl phthalate	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Chloroaniline	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2-Chloronaphthalene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Chloro-3-methylphenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2-Chlorophenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Chrysene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Dibenz(a,h)anthracene	EPA 8270C	4E25044	13000	ND	30	5/25/2004	5/27/2004	
Dibenzofuran	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Di-n-butyl phthalate	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
1,3-Dichlorobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
1,4-Dichlorobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
1,2-Dichlorobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
3,3-Dichlorobenzidine	EPA 8270C	4E25044	25000	ND	30	5/25/2004	5/27/2004	
2,4-Dichlorophenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Diethyl phthalate	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2,4-Dimethylphenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Dimethyl phthalate	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4E25044	13000	ND	30	5/25/2004	5/27/2004	
2,4-Dinitrophenol	EPA 8270C	4E25044	13000	ND	30	5/25/2004	5/27/2004	
2,4-Dinitrotoluene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2,6-Dinitrotoluene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Di-n-octyl phthalate	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Fluoranthene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	

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Report Number: INE1120

Sampled: 05/18/04
Received: 05/19/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03RE1 (PNL-TP06-Stockpile - Soil) - cont.								RL-2
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Hexachlorobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Hexachlorobutadiene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Hexachlorocyclopentadiene	EPA 8270C	4E25044	25000	ND	30	5/25/2004	5/27/2004	
Hexachloroethane	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Isophorone	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2-Methylnaphthalene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2-Methylphenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Methylphenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Naphthalene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2-Nitroaniline	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
3-Nitroaniline	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Nitroaniline	EPA 8270C	4E25044	25000	ND	30	5/25/2004	5/27/2004	
Nitrobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2-Nitrophenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
4-Nitrophenol	EPA 8270C	4E25044	25000	ND	30	5/25/2004	5/27/2004	
N-Nitrosodiphenylamine	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4E25044	7500	ND	30	5/25/2004	5/27/2004	
Pentachlorophenol	EPA 8270C	4E25044	25000	ND	30	5/25/2004	5/27/2004	
Phenanthrene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Phenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
Pyrene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2,4,5-Trichlorophenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
2,4,6-Trichlorophenol	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4E25044	10000	ND	30	5/25/2004	5/27/2004	C, L
Surrogate: 2-Fluorophenol (25-120%)				80 %				Z3
Surrogate: Phenol-d6 (30-120%)				81 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				98 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				103 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				74 %				Z3
Surrogate: Terphenyl-d14 (35-155%)				92 %				Z3

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
alpha-BHC	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
beta-BHC	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
delta-BHC	EPA 3545/8081A	4F10096	62	ND	6.25	5/24/2004	6/12/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
Chlordane	EPA 3545/8081A	4F10096	310	ND	6.25	5/24/2004	6/12/2004	
4,4'-DDD	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	C-1
4,4'-DDE	EPA 3545/8081A	4F10096	31	34	6.25	5/24/2004	6/12/2004	
4,4'-DDT	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	C-2
Dieldrin	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
Endosulfan I	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
Endosulfan II	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
Endosulfan sulfate	EPA 3545/8081A	4F10096	62	ND	6.25	5/24/2004	6/12/2004	C-2
Endrin	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	C-2
Endrin aldehyde	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
Endrin ketone	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	C-2
Heptachlor	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	C-2
Heptachlor epoxide	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	
Methoxychlor	EPA 3545/8081A	4F10096	31	ND	6.25	5/24/2004	6/12/2004	C-2
Toxaphene	EPA 3545/8081A	4F10096	1200	ND	6.25	5/24/2004	6/12/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				838 %				ZX
<i>Surrogate: Decachlorobiphenyl (45-125%)</i>				34 %				Z3

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SB0202/31
Report Number: INE1120

Sampled: 05/18/04
Received: 05/19/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								RL-1
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
alpha-BHC	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
beta-BHC	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
delta-BHC	EPA 3545/8081A	4F10096	120	ND	12.5	5/24/2004	6/12/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
Chlordane	EPA 3545/8081A	4F10096	620	ND	12.5	5/24/2004	6/12/2004	
4,4'-DDD	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	C-1
4,4'-DDE	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
4,4'-DDT	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	C-2
Dieldrin	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
Endosulfan I	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
Endosulfan II	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
Endosulfan sulfate	EPA 3545/8081A	4F10096	120	ND	12.5	5/24/2004	6/12/2004	C-2
Endrin	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	C-2
Endrin aldehyde	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
Endrin ketone	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	C-2
Heptachlor	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	C-2
Heptachlor epoxide	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	
Methoxychlor	EPA 3545/8081A	4F10096	62	ND	12.5	5/24/2004	6/12/2004	C-2
Toxaphene	EPA 3545/8081A	4F10096	2500	ND	12.5	5/24/2004	6/12/2004	
Surrogate: Tetrachloro-m-xylene (35-115%)				1320 %				ZX
Surrogate: Decachlorobiphenyl (45-125%)				*				Z3

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-01 (PNL-TP01-WASTE - Soil)								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4E20076	10	ND	1	5/20/2004	5/21/2004	
Arsenic	EPA 6010B	4E20076	2.0	6.8	1	5/20/2004	5/21/2004	
Barium	EPA 6010B	4E20076	1.0	200	1	5/20/2004	5/21/2004	
Beryllium	EPA 6010B	4E20076	0.50	ND	1	5/20/2004	5/21/2004	
Cadmium	EPA 6010B	4E20076	0.50	0.54	1	5/20/2004	5/21/2004	
Chromium	EPA 6010B	4E20076	1.0	59	1	5/20/2004	5/21/2004	
Cobalt	EPA 6010B	4E20076	1.0	4.9	1	5/20/2004	5/21/2004	
Copper	EPA 6010B	4E20076	2.0	22	1	5/20/2004	5/21/2004	
Lead	EPA 6010B	4E20076	2.0	15	1	5/20/2004	5/21/2004	
Mercury	EPA 7471A	4E20115	0.020	0.089	1	5/20/2004	5/20/2004	
Molybdenum	EPA 6010B	4E20076	2.0	ND	1	5/20/2004	5/21/2004	
Nickel	EPA 6010B	4E20076	2.0	22	1	5/20/2004	5/21/2004	
Selenium	EPA 6010B	4E20076	2.0	ND	1	5/20/2004	5/21/2004	
Silver	EPA 6010B	4E20076	1.0	ND	1	5/20/2004	5/21/2004	
Thallium	EPA 6010B	4E20076	10	ND	1	5/20/2004	5/21/2004	
Vanadium	EPA 6010B	4E20076	1.0	29	1	5/20/2004	5/21/2004	
Zinc	EPA 6010B	4E20076	5.0	190	1	5/20/2004	5/21/2004	

Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4E20090	10	ND	1	5/20/2004	5/21/2004	
Arsenic	EPA 6010B	4E20090	2.0	11	1	5/20/2004	5/21/2004	
Barium	EPA 6010B	4E20090	1.0	550	1	5/20/2004	5/21/2004	
Beryllium	EPA 6010B	4E20090	0.50	ND	1	5/20/2004	5/21/2004	
Cadmium	EPA 6010B	4E20090	0.50	1.1	1	5/20/2004	5/21/2004	
Chromium	EPA 6010B	4E20090	1.0	20	1	5/20/2004	5/21/2004	
Cobalt	EPA 6010B	4E20090	1.0	5.0	1	5/20/2004	5/21/2004	
Copper	EPA 6010B	4E20090	2.0	19	1	5/20/2004	5/21/2004	
Lead	EPA 6010B	4E20090	2.0	41	1	5/20/2004	5/21/2004	
Mercury	EPA 7471A	4E20115	0.020	0.23	1	5/20/2004	5/20/2004	
Molybdenum	EPA 6010B	4E20090	2.0	ND	1	5/20/2004	5/21/2004	
Nickel	EPA 6010B	4E20090	2.0	14	1	5/20/2004	5/21/2004	
Selenium	EPA 6010B	4E20090	2.0	ND	1	5/20/2004	5/21/2004	
Silver	EPA 6010B	4E20090	1.0	ND	1	5/20/2004	5/21/2004	
Thallium	EPA 6010B	4E20090	10	ND	1	5/20/2004	5/21/2004	
Vanadium	EPA 6010B	4E20090	1.0	30	1	5/20/2004	5/21/2004	
Zinc	EPA 6010B	4E20090	5.0	91	1	5/20/2004	5/21/2004	

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4E20090	10	ND	1	5/20/2004	5/21/2004	
Arsenic	EPA 6010B	4E20090	2.0	8.2	1	5/20/2004	5/21/2004	
Barium	EPA 6010B	4E20090	1.0	1000	1	5/20/2004	5/21/2004	
Beryllium	EPA 6010B	4E20090	0.50	ND	1	5/20/2004	5/21/2004	
Cadmium	EPA 6010B	4E20090	0.50	0.86	1	5/20/2004	5/21/2004	
Chromium	EPA 6010B	4E20090	1.0	27	1	5/20/2004	5/21/2004	
Cobalt	EPA 6010B	4E20090	1.0	5.0	1	5/20/2004	5/21/2004	
Copper	EPA 6010B	4E20090	2.0	27	1	5/20/2004	5/21/2004	
Lead	EPA 6010B	4E20090	2.0	78	1	5/20/2004	5/21/2004	
Mercury	EPA 7471A	4E20115	0.020	0.55	1	5/20/2004	5/20/2004	
Molybdenum	EPA 6010B	4E20090	2.0	ND	1	5/20/2004	5/21/2004	
Nickel	EPA 6010B	4E20090	2.0	20	1	5/20/2004	5/21/2004	
Selenium	EPA 6010B	4E20090	2.0	ND	1	5/20/2004	5/21/2004	
Silver	EPA 6010B	4E20090	1.0	ND	1	5/20/2004	5/21/2004	
Thallium	EPA 6010B	4E20090	10	ND	1	5/20/2004	5/21/2004	
Vanadium	EPA 6010B	4E20090	1.0	33	1	5/20/2004	5/21/2004	
Zinc	EPA 6010B	4E20090	5.0	140	1	5/20/2004	5/21/2004	

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SB0202/31
Report Number: INE1120

Sampled: 05/18/04
Received: 05/19/04

ORGANIC LEAD BY GFAA (HML 939-M)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4F01072	120	590	5	6/1/2004	6/2/2004	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4E24056	0.20	ND	1	5/24/2004	5/24/2004	
Oil & Grease	EPA 413.2 MOD.	4E19094	25	1600	5	5/19/2004	5/19/2004	M-HA
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4E21107	NA	Not Ignitable	1	5/21/2004	5/21/2004	
Reactivity with water	SW846 7.3.2.1	4E21110	1.0	ND	1	5/21/2004	5/21/2004	
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4E20057	NA	8.00	1	5/20/2004	5/20/2004	
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4E24056	0.20	ND	1	5/24/2004	5/24/2004	M2
Oil & Grease	EPA 413.2 MOD.	4E19094	100	7400	20	5/19/2004	5/19/2004	
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4E21107	NA	Not Ignitable	1	5/21/2004	5/21/2004	
Reactivity with water	SW846 7.3.2.1	4E21110	1.0	ND	1	5/21/2004	5/21/2004	
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4E20057	NA	8.23	1	5/20/2004	5/20/2004	

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Polychlorinated Biphenyls (as Aroclors) by EPA Method 8082

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INE1120-02 (PNL-TP05-Stockpile - Soil)								C-06, R-05
Reporting Units: ug/kg								
PCB-1016	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1221	EPA 8082	4E24018	8000	ND	100	5/24/2004	5/26/2004	
PCB-1232	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1242	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1248	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1254	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1260	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1268	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
Surrogate: Tetrachloro-m-xylene (23-151%)				93.4 %				S08
Surrogate: Decachlorobiphenyl (26-142%)				1460 %				S08
Sample ID: INE1120-03 (PNL-TP06-Stockpile - Soil)								C-06, R-05
Reporting Units: ug/kg								
PCB-1016	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1221	EPA 8082	4E24018	8000	ND	100	5/24/2004	5/26/2004	
PCB-1232	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1242	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1248	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1254	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1260	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
PCB-1268	EPA 8082	4E24018	2000	ND	100	5/24/2004	5/26/2004	
Surrogate: Tetrachloro-m-xylene (23-151%)				117 %				S08
Surrogate: Decachlorobiphenyl (26-142%)				58.6 %				S08

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SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PNL-TP05-Stockpile (INE1120-02) - Soil					
EPA 9045C	1	05/18/2004 09:30	05/19/2004 11:30	05/20/2004 07:00	05/20/2004 09:00
Sample ID: PNL-TP06-Stockpile (INE1120-03) - Soil					
EPA 9045C	1	05/18/2004 13:45	05/19/2004 11:30	05/20/2004 07:00	05/20/2004 09:00

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METHOD BLANK/QC DATA

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E20040 Extracted: 05/20/04										
Blank Analyzed: 05/20/04 (4E20040-BLK1)										
Total Recoverable Hydrocarbons	ND	5.0	mg/kg							
LCS Analyzed: 05/20/04 (4E20040-BS1)										
Total Recoverable Hydrocarbons	16.1	5.0	mg/kg	20.0		80	55-130			
Matrix Spike Analyzed: 05/20/04 (4E20040-MS1)										
Total Recoverable Hydrocarbons	57.1	5.0	mg/kg	20.0	29	140	35-130			MI
Matrix Spike Dup Analyzed: 05/20/04 (4E20040-MSD1)										
Total Recoverable Hydrocarbons	42.8	5.0	mg/kg	20.0	29	69	35-130	29	25	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
Batch: 4E19092 Extracted: 05/19/04										
Blank Analyzed: 05/20/04 (4E19092-BLK1)										
GRO (C6 - C12)	ND	5.0	mg/kg							
DRO/ORO (C13 - C40)	ND	5.0	mg/kg							
EFH (C6 - C40)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	4.23		mg/kg	6.67		63	50-125			
LCS Analyzed: 05/20/04 (4E19092-BS1)										
EFH (C6 - C40)	20.4	5.0	mg/kg	33.3		61	45-115			
Surrogate: n-Octacosane	3.74		mg/kg	6.67		56	50-125			
Matrix Spike Analyzed: 05/20/04 (4E19092-MS1)					Source: INE1131-01					
EFH (C6 - C40)	22.7	5.0	mg/kg	33.3	3.6	57	35-115			
Surrogate: n-Octacosane	4.44		mg/kg	6.67		67	50-125			
Matrix Spike Dup Analyzed: 05/20/04 (4E19092-MSD1)					Source: INE1131-01					
EFH (C6 - C40)	28.0	5.0	mg/kg	33.3	3.6	73	35-115	21	30	
Surrogate: n-Octacosane	4.33		mg/kg	6.67		65	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
Batch: 4E21020 Extracted: 05/21/04										
Blank Analyzed: 05/22/04 (4E21020-BLK1)										
Benzene	ND	100	ug/kg							
Bromobenzene	ND	250	ug/kg							
Bromochloromethane	ND	250	ug/kg							
Bromodichloromethane	ND	100	ug/kg							
Bromoform	ND	250	ug/kg							
Bromomethane	ND	250	ug/kg							
n-Butylbenzene	ND	250	ug/kg							
sec-Butylbenzene	ND	250	ug/kg							
tert-Butylbenzene	ND	250	ug/kg							
Carbon tetrachloride	ND	250	ug/kg							
Chlorobenzene	ND	100	ug/kg							
Chloroethane	ND	250	ug/kg							
Chloroform	ND	100	ug/kg							
Chloromethane	ND	250	ug/kg							
2-Chlorotoluene	ND	250	ug/kg							
4-Chlorotoluene	ND	250	ug/kg							
Dibromochloromethane	ND	100	ug/kg							
1,2-Dibromo-3-chloropropane	ND	250	ug/kg							
1,2-Dibromoethane (EDB)	ND	100	ug/kg							
Dibromomethane	ND	100	ug/kg							
1,2-Dichlorobenzene	ND	100	ug/kg							
1,3-Dichlorobenzene	ND	100	ug/kg							
1,4-Dichlorobenzene	ND	100	ug/kg							
Dichlorodifluoromethane	ND	250	ug/kg							
1,1-Dichloroethane	ND	100	ug/kg							
1,2-Dichloroethane	ND	100	ug/kg							
1,1-Dichloroethene	ND	250	ug/kg							
cis-1,2-Dichloroethene	ND	100	ug/kg							
trans-1,2-Dichloroethene	ND	100	ug/kg							
1,2-Dichloropropane	ND	100	ug/kg							
1,3-Dichloropropane	ND	100	ug/kg							
2,2-Dichloropropane	ND	100	ug/kg							
1,1-Dichloropropene	ND	100	ug/kg							
cis-1,3-Dichloropropene	ND	100	ug/kg							
trans-1,3-Dichloropropene	ND	100	ug/kg							

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21020 Extracted: 05/21/04										
Blank Analyzed: 05/22/04 (4E21020-BLK1)										
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	2730		ug/kg	2500		109	50-160			
Surrogate: Toluene-d8	2740		ug/kg	2500		110	60-160			
Surrogate: 4-Bromofluorobenzene	2720		ug/kg	2500		109	60-150			

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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
Batch: 4E21020 Extracted: 05/21/04										
LCS Analyzed: 05/22/04 (4E21020-BS1)										
Benzene	2700	100	ug/kg	2500		108	75-125			
Bromobenzene	2640	250	ug/kg	2500		106	80-120			
Bromochloromethane	2780	250	ug/kg	2500		111	65-140			
Bromodichloromethane	2690	100	ug/kg	2500		108	70-140			
Bromoform	2570	250	ug/kg	2500		103	60-130			
Bromomethane	2130	250	ug/kg	2500		85	35-140			
n-Butylbenzene	2640	250	ug/kg	2500		106	80-130			
sec-Butylbenzene	2570	250	ug/kg	2500		103	75-125			
tert-Butylbenzene	2730	250	ug/kg	2500		109	80-125			
Carbon tetrachloride	2580	250	ug/kg	2500		103	70-140			
Chlorobenzene	2600	100	ug/kg	2500		104	80-125			
Chloroethane	2200	250	ug/kg	2500		88	40-145			
Chloroform	2650	100	ug/kg	2500		106	75-130			
Chloromethane	2140	250	ug/kg	2500		86	30-145			
2-Chlorotoluene	2680	250	ug/kg	2500		107	75-125			
4-Chlorotoluene	2720	250	ug/kg	2500		109	80-125			
Dibromochloromethane	2500	100	ug/kg	2500		100	65-145			
1,2-Dibromo-3-chloropropane	2640	250	ug/kg	2500		106	45-135			
1,2-Dibromoethane (EDB)	2620	100	ug/kg	2500		105	75-130			
Dibromomethane	2620	100	ug/kg	2500		105	75-135			
1,2-Dichlorobenzene	2650	100	ug/kg	2500		106	80-120			
1,3-Dichlorobenzene	2570	100	ug/kg	2500		103	80-120			
1,4-Dichlorobenzene	2650	100	ug/kg	2500		106	80-120			
Dichlorodifluoromethane	1880	250	ug/kg	2500		75	10-160			
1,1-Dichloroethane	2640	100	ug/kg	2500		106	70-135			
1,2-Dichloroethane	2560	100	ug/kg	2500		102	60-150			
1,1-Dichloroethene	2720	250	ug/kg	2500		109	80-145			
cis-1,2-Dichloroethene	2700	100	ug/kg	2500		108	70-135			
trans-1,2-Dichloroethene	2740	100	ug/kg	2500		110	70-135			
1,2-Dichloropropane	2660	100	ug/kg	2500		106	75-125			
1,3-Dichloropropane	2520	100	ug/kg	2500		101	75-130			
2,2-Dichloropropane	2970	100	ug/kg	2500		119	70-150			
1,1-Dichloropropene	2660	100	ug/kg	2500		106	75-130			
cis-1,3-Dichloropropene	2720	100	ug/kg	2500		109	75-130			
trans-1,3-Dichloropropene	2820	100	ug/kg	2500		113	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 Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21020 Extracted: 05/21/04										
LCS Analyzed: 05/22/04 (4E21020-BS1)										
Ethylbenzene	2720	100	ug/kg	2500		109	80-120			
Hexachlorobutadiene	2570	250	ug/kg	2500		103	75-140			
Isopropylbenzene	2810	100	ug/kg	2500		112	75-125			
p-Isopropyltoluene	2580	100	ug/kg	2500		103	80-125			
Methylene chloride	2700	1000	ug/kg	2500		108	60-145			
Naphthalene	2700	250	ug/kg	2500		108	50-145			
n-Propylbenzene	2800	100	ug/kg	2500		112	75-130			
Styrene	2760	100	ug/kg	2500		110	80-135			
1,1,1,2-Tetrachloroethane	2570	250	ug/kg	2500		103	70-145			
1,1,2,2-Tetrachloroethane	2530	100	ug/kg	2500		101	60-135			
Tetrachloroethene	2580	100	ug/kg	2500		103	80-125			
Toluene	2710	100	ug/kg	2500		108	80-125			
1,2,3-Trichlorobenzene	2630	250	ug/kg	2500		105	65-135			
1,2,4-Trichlorobenzene	2700	250	ug/kg	2500		108	70-140			
1,1,1-Trichloroethane	2660	100	ug/kg	2500		106	75-140			
1,1,2-Trichloroethane	2690	100	ug/kg	2500		108	70-130			
Trichloroethene	2770	100	ug/kg	2500		111	80-130			
Trichlorofluoromethane	2450	250	ug/kg	2500		98	55-145			
1,2,3-Trichloropropane	2600	500	ug/kg	2500		104	60-130			
1,2,4-Trimethylbenzene	2720	100	ug/kg	2500		109	80-125			
1,3,5-Trimethylbenzene	2820	100	ug/kg	2500		113	80-125			
Vinyl chloride	808	250	ug/kg	2500		32	10-120			
o-Xylene	2610	100	ug/kg	2500		104	80-125			
m,p-Xylenes	5260	100	ug/kg	5000		105	80-120			
Surrogate: Dibromofluoromethane	2610		ug/kg	2500		104	50-160			
Surrogate: Toluene-d8	2770		ug/kg	2500		111	60-160			
Surrogate: 4-Bromofluorobenzene	2670		ug/kg	2500		107	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
Batch: 4E21020 Extracted: 05/21/04										
LCS Dup Analyzed: 05/22/04 (4E21020-BSD1)										
Benzene	2770	100	ug/kg	2500		111	75-125	3	20	
Bromobenzene	2700	250	ug/kg	2500		108	80-120	2	20	
Bromochloromethane	2870	250	ug/kg	2500		115	65-140	3	20	
Bromodichloromethane	2730	100	ug/kg	2500		109	70-140	1	20	
Bromoform	2650	250	ug/kg	2500		106	60-130	3	25	
Bromomethane	2080	250	ug/kg	2500		83	35-140	2	30	
n-Butylbenzene	2690	250	ug/kg	2500		108	80-130	2	20	
sec-Butylbenzene	2670	250	ug/kg	2500		107	75-125	4	20	
tert-Butylbenzene	2790	250	ug/kg	2500		112	80-125	2	20	
Carbon tetrachloride	2600	250	ug/kg	2500		104	70-140	1	20	
Chlorobenzene	2670	100	ug/kg	2500		107	80-125	3	20	
Chloroethane	2170	250	ug/kg	2500		87	40-145	1	25	
Chloroform	2720	100	ug/kg	2500		109	75-130	3	20	
Chloromethane	2140	250	ug/kg	2500		86	30-145	0	25	
2-Chlorotoluene	2750	250	ug/kg	2500		110	75-125	3	20	
4-Chlorotoluene	2780	250	ug/kg	2500		111	80-125	2	20	
Dibromochloromethane	2600	100	ug/kg	2500		104	65-145	4	20	
1,2-Dibromo-3-chloropropane	2680	250	ug/kg	2500		107	45-135	2	25	
1,2-Dibromoethane (EDB)	2710	100	ug/kg	2500		108	75-130	3	20	
Dibromomethane	2700	100	ug/kg	2500		108	75-135	3	20	
1,2-Dichlorobenzene	2750	100	ug/kg	2500		110	80-120	4	20	
1,3-Dichlorobenzene	2660	100	ug/kg	2500		106	80-120	3	20	
1,4-Dichlorobenzene	2730	100	ug/kg	2500		109	80-120	3	20	
Dichlorodifluoromethane	1830	250	ug/kg	2500		73	10-160	3	30	
1,1-Dichloroethane	2700	100	ug/kg	2500		108	70-135	2	20	
1,2-Dichloroethane	2650	100	ug/kg	2500		106	60-150	3	25	
1,1-Dichloroethene	2770	250	ug/kg	2500		111	80-145	2	20	
cis-1,2-Dichloroethene	2800	100	ug/kg	2500		112	70-135	4	20	
trans-1,2-Dichloroethene	2820	100	ug/kg	2500		113	70-135	3	20	
1,2-Dichloropropane	2760	100	ug/kg	2500		110	75-125	4	20	
1,3-Dichloropropane	2590	100	ug/kg	2500		104	75-130	3	20	
2,2-Dichloropropane	2990	100	ug/kg	2500		120	70-150	1	20	
1,1-Dichloropropene	2700	100	ug/kg	2500		108	75-130	1	20	
cis-1,3-Dichloropropene	2800	100	ug/kg	2500		112	75-130	3	20	
trans-1,3-Dichloropropene	2930	100	ug/kg	2500		117	75-135	4	20	

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 Project ID: Ascon - Soils
 SB0202/31
 Report Number: INE1120

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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
Batch: 4E21020 Extracted: 05/21/04										
LCS Dup Analyzed: 05/22/04 (4E21020-BSD1)										
Ethylbenzene	2790	100	ug/kg	2500		112	80-120	3	20	
Hexachlorobutadiene	2640	250	ug/kg	2500		106	75-140	3	20	
Isopropylbenzene	2860	100	ug/kg	2500		114	75-125	2	20	
p-Isopropyltoluene	2660	100	ug/kg	2500		106	80-125	3	20	
Methylene chloride	2740	1000	ug/kg	2500		110	60-145	1	20	
Naphthalene	2830	250	ug/kg	2500		113	50-145	5	25	
n-Propylbenzene	2860	100	ug/kg	2500		114	75-130	2	20	
Styrene	2960	100	ug/kg	2500		118	80-135	7	20	
1,1,1,2-Tetrachloroethane	2690	250	ug/kg	2500		108	70-145	5	20	
1,1,2,2-Tetrachloroethane	2570	100	ug/kg	2500		103	60-135	2	25	
Tetrachloroethene	2630	100	ug/kg	2500		105	80-125	2	20	
Toluene	2790	100	ug/kg	2500		112	80-125	3	20	
1,2,3-Trichlorobenzene	2740	250	ug/kg	2500		110	65-135	4	20	
1,2,4-Trichlorobenzene	2800	250	ug/kg	2500		112	70-140	4	20	
1,1,1-Trichloroethane	2710	100	ug/kg	2500		108	75-140	2	20	
1,1,2-Trichloroethane	2800	100	ug/kg	2500		112	70-130	4	20	
Trichloroethene	2830	100	ug/kg	2500		113	80-130	2	20	
Trichlorofluoromethane	2440	250	ug/kg	2500		98	55-145	0	25	
1,2,3-Trichloropropane	2660	500	ug/kg	2500		106	60-130	2	20	
1,2,4-Trimethylbenzene	2780	100	ug/kg	2500		111	80-125	2	20	
1,3,5-Trimethylbenzene	2870	100	ug/kg	2500		115	80-125	2	20	
Vinyl chloride	794	250	ug/kg	2500		32	10-120	2	30	
o-Xylene	2690	100	ug/kg	2500		108	80-125	3	20	
m,p-Xylenes	5440	100	ug/kg	5000		109	80-120	3	20	
Surrogate: Dibromofluoromethane	2650		ug/kg	2500		106	50-160			
Surrogate: Toluene-d8	2830		ug/kg	2500		113	60-160			
Surrogate: 4-Bromofluorobenzene	2710		ug/kg	2500		108	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 Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21020 Extracted: 05/21/04										
Matrix Spike Analyzed: 05/22/04 (4E21020-MS1)					Source: INE1148-03					
Benzene	3140	100	ug/kg	2500	730	96	60-140			
Bromobenzene	1440	250	ug/kg	2500	ND	58	65-130			M2
Bromochloromethane	2120	250	ug/kg	2500	ND	85	60-145			
Bromodichloromethane	1540	100	ug/kg	2500	ND	62	65-150			M2
Bromoform	1310	250	ug/kg	2500	ND	52	55-150			M2
Bromomethane	562	250	ug/kg	2500	ND	22	30-160			M2
n-Butylbenzene	2280	250	ug/kg	2500	ND	91	60-150			
sec-Butylbenzene	1840	250	ug/kg	2500	730	44	65-145			M2
tert-Butylbenzene	1090	250	ug/kg	2500	ND	44	60-150			M2
Carbon tetrachloride	1010	250	ug/kg	2500	ND	40	70-140			M2
Chlorobenzene	1740	100	ug/kg	2500	ND	70	70-140			
Chloroethane	1520	250	ug/kg	2500	ND	61	30-170			
Chloroform	1960	100	ug/kg	2500	ND	78	60-140			
Chloromethane	1450	250	ug/kg	2500	ND	58	30-160			
2-Chlorotoluene	1860	250	ug/kg	2500	ND	74	60-140			
4-Chlorotoluene	1610	250	ug/kg	2500	ND	64	70-135			M2
Dibromochloromethane	1360	100	ug/kg	2500	ND	54	60-150			M2
1,2-Dibromo-3-chloropropane	2230	250	ug/kg	2500	ND	89	40-150			
1,2-Dibromoethane (EDB)	1800	100	ug/kg	2500	ND	72	65-140			
Dibromomethane	2130	100	ug/kg	2500	ND	85	65-140			
1,2-Dichlorobenzene	1330	100	ug/kg	2500	ND	53	70-130			M2
1,3-Dichlorobenzene	1180	100	ug/kg	2500	ND	47	60-155			M2
1,4-Dichlorobenzene	1240	100	ug/kg	2500	ND	50	55-150			M2
Dichlorodifluoromethane	758	250	ug/kg	2500	ND	30	10-160			
1,1-Dichloroethane	1970	100	ug/kg	2500	ND	79	60-155			
1,2-Dichloroethane	2110	100	ug/kg	2500	ND	84	55-150			
1,1-Dichloroethene	1930	250	ug/kg	2500	ND	77	60-165			
cis-1,2-Dichloroethene	1960	100	ug/kg	2500	ND	78	60-135			
trans-1,2-Dichloroethene	1800	100	ug/kg	2500	ND	72	50-155			
1,2-Dichloropropane	1890	100	ug/kg	2500	ND	76	65-135			
1,3-Dichloropropane	1860	100	ug/kg	2500	ND	74	65-135			
2,2-Dichloropropane	1600	100	ug/kg	2500	ND	64	60-150			
1,1-Dichloropropene	1560	100	ug/kg	2500	ND	62	60-140			
cis-1,3-Dichloropropene	1330	100	ug/kg	2500	ND	53	60-135			M2
trans-1,3-Dichloropropene	1540	100	ug/kg	2500	ND	62	55-155			

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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
Batch: 4E21020 Extracted: 05/21/04										
Matrix Spike Analyzed: 05/22/04 (4E21020-MS1)					Source: INE1148-03					
Ethylbenzene	5580	100	ug/kg	2500	2800	111	60-140			
Hexachlorobutadiene	721	250	ug/kg	2500	ND	29	65-145			M2
Isopropylbenzene	2700	100	ug/kg	2500	1200	60	60-140			
p-Isopropyltoluene	2580	100	ug/kg	2500	1400	47	60-145			M2
Methylene chloride	1910	1000	ug/kg	2500	ND	76	50-155			
Naphthalene	5860	250	ug/kg	2500	3500	94	30-165			
n-Propylbenzene	3280	100	ug/kg	2500	1700	63	60-145			
Styrene	1550	100	ug/kg	2500	ND	62	60-145			
1,1,1,2-Tetrachloroethane	1360	250	ug/kg	2500	ND	54	65-145			M2
1,1,2,2-Tetrachloroethane	261	100	ug/kg	2500	ND	10	60-150			M2
Tetrachloroethene	1150	100	ug/kg	2500	ND	46	65-145			M2
Toluene	4730	100	ug/kg	2500	1900	113	60-145			
1,2,3-Trichlorobenzene	1080	250	ug/kg	2500	ND	43	45-145			M2
1,2,4-Trichlorobenzene	948	250	ug/kg	2500	ND	38	60-140			M2
1,1,1-Trichloroethane	1680	100	ug/kg	2500	ND	67	65-140			
1,1,2-Trichloroethane	2420	100	ug/kg	2500	ND	97	60-140			
Trichloroethene	2830	100	ug/kg	2500	ND	113	70-150			
Trichlorofluoromethane	1410	250	ug/kg	2500	ND	56	35-165			
1,2,3-Trichloropropane	1910	500	ug/kg	2500	ND	76	50-150			
1,2,4-Trimethylbenzene	8520	100	ug/kg	2500	6100	97	70-135			
1,3,5-Trimethylbenzene	3370	100	ug/kg	2500	1700	67	70-135			M2
Vinyl chloride	1030	250	ug/kg	2500	ND	41	10-120			
o-Xylene	6420	100	ug/kg	2500	3100	133	60-145			
m,p-Xylenes	12500	100	ug/kg	5000	6400	122	60-140			
Surrogate: Dibromofluoromethane	1770		ug/kg	2500		71	50-160			
Surrogate: Toluene-d8	1730		ug/kg	2500		69	60-160			
Surrogate: 4-Bromofluorobenzene	1690		ug/kg	2500		68	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 Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21020 Extracted: 05/21/04										
Matrix Spike Dup Analyzed: 05/22/04 (4E21020-MSD1)					Source: INE1148-03					
Benzene	2860	100	ug/kg	2500	730	85	60-140	9	25	
Bromobenzene	1890	250	ug/kg	2500	ND	76	65-130	27	25	R-3
Bromochloromethane	2240	250	ug/kg	2500	ND	90	60-145	6	25	
Bromodichloromethane	1970	100	ug/kg	2500	ND	79	65-150	25	25	
Bromoform	2070	250	ug/kg	2500	ND	83	55-150	45	30	R-3
Bromomethane	1110	250	ug/kg	2500	ND	44	30-160	66	30	R-3
n-Butylbenzene	2630	250	ug/kg	2500	ND	105	60-150	14	25	
sec-Butylbenzene	2340	250	ug/kg	2500	730	64	65-145	24	25	M2
tert-Butylbenzene	1700	250	ug/kg	2500	ND	68	60-150	44	20	R-3
Carbon tetrachloride	1740	250	ug/kg	2500	ND	70	70-140	53	20	R-3
Chlorobenzene	2110	100	ug/kg	2500	ND	84	70-140	19	25	
Chloroethane	1620	250	ug/kg	2500	ND	65	30-170	6	35	
Chloroform	2050	100	ug/kg	2500	ND	82	60-140	4	25	
Chloromethane	1490	250	ug/kg	2500	ND	60	30-160	3	30	
2-Chlorotoluene	2180	250	ug/kg	2500	ND	87	60-140	16	25	
4-Chlorotoluene	2000	250	ug/kg	2500	ND	80	70-135	22	20	R-3
Dibromochloromethane	2940	100	ug/kg	2500	ND	118	60-150	73	25	R-3
1,2-Dibromo-3-chloropropane	2950	250	ug/kg	2500	ND	118	40-150	28	30	
1,2-Dibromoethane (EDB)	2230	100	ug/kg	2500	ND	89	65-140	21	25	
Dibromomethane	2270	100	ug/kg	2500	ND	91	65-140	6	20	
1,2-Dichlorobenzene	1770	100	ug/kg	2500	ND	71	70-130	28	20	R-3
1,3-Dichlorobenzene	1720	100	ug/kg	2500	ND	69	60-155	37	25	R-3
1,4-Dichlorobenzene	1760	100	ug/kg	2500	ND	70	55-150	35	25	R-3
Dichlorodifluoromethane	852	250	ug/kg	2500	ND	34	10-160	12	35	
1,1-Dichloroethane	2120	100	ug/kg	2500	ND	85	60-155	7	25	
1,2-Dichloroethane	2140	100	ug/kg	2500	ND	86	55-150	1	30	
1,1-Dichloroethene	2070	250	ug/kg	2500	ND	83	60-165	7	25	
cis-1,2-Dichloroethene	2090	100	ug/kg	2500	ND	84	60-135	6	25	
trans-1,2-Dichloroethene	1970	100	ug/kg	2500	ND	79	50-155	9	25	
1,2-Dichloropropane	2230	100	ug/kg	2500	ND	89	65-135	17	20	
1,3-Dichloropropane	2040	100	ug/kg	2500	ND	82	65-135	9	20	
2,2-Dichloropropane	1760	100	ug/kg	2500	ND	70	60-150	10	20	
1,1-Dichloropropene	1790	100	ug/kg	2500	ND	72	60-140	14	20	
cis-1,3-Dichloropropene	1800	100	ug/kg	2500	ND	72	60-135	30	25	R-3
trans-1,3-Dichloropropene	2020	100	ug/kg	2500	ND	81	55-155	27	25	R

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 SB0202/31
 Report Number: INE1120

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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
Batch: 4E21020 Extracted: 05/21/04										
Matrix Spike Dup Analyzed: 05/22/04 (4E21020-MSD1)					Source: INE1148-03					
Ethylbenzene	4940	100	ug/kg	2500	2800	86	60-140	12	25	
Hexachlorobutadiene	1360	250	ug/kg	2500	ND	54	65-145	61	25	M2, R-3
Isopropylbenzene	2950	100	ug/kg	2500	1200	70	60-140	9	25	
p-Isopropyltoluene	2890	100	ug/kg	2500	1400	60	60-145	11	25	
Methylene chloride	1950	1000	ug/kg	2500	ND	78	50-155	2	25	
Naphthalene	5200	250	ug/kg	2500	3500	68	30-165	12	30	
n-Propylbenzene	3520	100	ug/kg	2500	1700	73	60-145	7	25	
Styrene	1980	100	ug/kg	2500	ND	79	60-145	24	20	R
1,1,1,2-Tetrachloroethane	2110	250	ug/kg	2500	ND	84	65-145	43	20	R-3
1,1,2,2-Tetrachloroethane	579	100	ug/kg	2500	ND	23	60-150	76	20	M2, R-3
Tetrachloroethene	1590	100	ug/kg	2500	ND	64	65-145	32	25	M2, R-3
Toluene	4180	100	ug/kg	2500	1900	91	60-145	12	25	
1,2,3-Trichlorobenzene	1760	250	ug/kg	2500	ND	70	45-145	48	30	R-3
1,2,4-Trichlorobenzene	1600	250	ug/kg	2500	ND	64	60-140	51	25	R-3
1,1,1-Trichloroethane	1970	100	ug/kg	2500	ND	79	65-140	16	25	
1,1,2-Trichloroethane	2700	100	ug/kg	2500	ND	108	60-140	11	20	
Trichloroethene	3180	100	ug/kg	2500	ND	127	70-150	12	25	
Trichlorofluoromethane	1670	250	ug/kg	2500	ND	67	35-165	17	30	
1,2,3-Trichloropropane	2470	500	ug/kg	2500	ND	99	50-150	26	20	R
1,2,4-Trimethylbenzene	7470	100	ug/kg	2500	6100	55	70-135	13	20	M2
1,3,5-Trimethylbenzene	3350	100	ug/kg	2500	1700	66	70-135	1	25	M2
Vinyl chloride	1270	250	ug/kg	2500	ND	51	10-120	21	35	
o-Xylene	5450	100	ug/kg	2500	3100	94	60-145	16	25	
m,p-Xylenes	10700	100	ug/kg	5000	6400	86	60-140	16	25	
Surrogate: Dibromofluoromethane	1890		ug/kg	2500		76	50-160			
Surrogate: Toluene-d8	1920		ug/kg	2500		77	60-160			
Surrogate: 4-Bromofluorobenzene	2060		ug/kg	2500		82	60-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4E22016 Extracted: 05/22/04										
Blank Analyzed: 05/22/04 (4E22016-BLK1)										
Benzene	ND	100	ug/kg							
Bromobenzene	ND	250	ug/kg							
Bromochloromethane	ND	250	ug/kg							
Bromodichloromethane	ND	100	ug/kg							
Bromoform	ND	250	ug/kg							
Bromomethane	ND	250	ug/kg							
n-Butylbenzene	ND	250	ug/kg							
sec-Butylbenzene	ND	250	ug/kg							
tert-Butylbenzene	ND	250	ug/kg							
Carbon tetrachloride	ND	250	ug/kg							
Chlorobenzene	ND	100	ug/kg							
Chloroethane	ND	250	ug/kg							
Chloroform	ND	100	ug/kg							
Chloromethane	ND	250	ug/kg							
2-Chlorotoluene	ND	250	ug/kg							
4-Chlorotoluene	ND	250	ug/kg							
Dibromochloromethane	ND	100	ug/kg							
1,2-Dibromo-3-chloropropane	ND	250	ug/kg							
1,2-Dibromoethane (EDB)	ND	100	ug/kg							
Dibromomethane	ND	100	ug/kg							
1,2-Dichlorobenzene	ND	100	ug/kg							
1,3-Dichlorobenzene	ND	100	ug/kg							
1,4-Dichlorobenzene	ND	100	ug/kg							
Dichlorodifluoromethane	ND	250	ug/kg							
1,1-Dichloroethane	ND	100	ug/kg							
1,2-Dichloroethane	ND	100	ug/kg							
1,1-Dichloroethene	ND	250	ug/kg							
cis-1,2-Dichloroethene	ND	100	ug/kg							
trans-1,2-Dichloroethene	ND	100	ug/kg							
1,2-Dichloropropane	ND	100	ug/kg							
1,3-Dichloropropane	ND	100	ug/kg							
2,2-Dichloropropane	ND	100	ug/kg							
1,1-Dichloropropene	ND	100	ug/kg							
cis-1,3-Dichloropropene	ND	100	ug/kg							
trans-1,3-Dichloropropene	ND	100	ug/kg							

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E22016 Extracted: 05/22/04										
Blank Analyzed: 05/22/04 (4E22016-BLK1)										
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	3100		ug/kg	2500		124	50-160			
Surrogate: Toluene-d8	2960		ug/kg	2500		118	60-160			
Surrogate: 4-Bromofluorobenzene	2920		ug/kg	2500		117	60-150			

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 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: INE1120

Sampled: 05/18/04
Received: 05/19/04

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
Batch: 4E22016 Extracted: 05/22/04										
LCS Analyzed: 05/23/04 (4E22016-BS1)										
Benzene	2830	100	ug/kg	2500		113	75-125			
Bromobenzene	2600	250	ug/kg	2500		104	80-120			
Bromochloromethane	2930	250	ug/kg	2500		117	65-140			
Bromodichloromethane	2900	100	ug/kg	2500		116	70-140			
Bromoform	2760	250	ug/kg	2500		110	60-130			
Bromomethane	2060	250	ug/kg	2500		82	35-140			
n-Butylbenzene	2700	250	ug/kg	2500		108	80-130			
sec-Butylbenzene	2600	250	ug/kg	2500		104	75-125			
tert-Butylbenzene	2560	250	ug/kg	2500		102	80-125			
Carbon tetrachloride	2680	250	ug/kg	2500		107	70-140			
Chlorobenzene	2660	100	ug/kg	2500		106	80-125			
Chloroethane	2170	250	ug/kg	2500		87	40-145			
Chloroform	3060	100	ug/kg	2500		122	75-130			
Chloromethane	2330	250	ug/kg	2500		93	30-145			
2-Chlorotoluene	2640	250	ug/kg	2500		106	75-125			
4-Chlorotoluene	2670	250	ug/kg	2500		107	80-125			
Dibromochloromethane	2850	100	ug/kg	2500		114	65-145			
1,2-Dibromo-3-chloropropane	2630	250	ug/kg	2500		105	45-135			
1,2-Dibromoethane (EDB)	2820	100	ug/kg	2500		113	75-130			
Dibromomethane	2820	100	ug/kg	2500		113	75-135			
1,2-Dichlorobenzene	2550	100	ug/kg	2500		102	80-120			
1,3-Dichlorobenzene	2480	100	ug/kg	2500		99	80-120			
1,4-Dichlorobenzene	2520	100	ug/kg	2500		101	80-120			
Dichlorodifluoromethane	1990	250	ug/kg	2500		80	10-160			
1,1-Dichloroethane	2940	100	ug/kg	2500		118	70-135			
1,2-Dichloroethane	2740	100	ug/kg	2500		110	60-150			
1,1-Dichloroethene	3050	250	ug/kg	2500		122	80-145			
cis-1,2-Dichloroethene	3000	100	ug/kg	2500		120	70-135			
trans-1,2-Dichloroethene	3170	100	ug/kg	2500		127	70-135			
1,2-Dichloropropane	2890	100	ug/kg	2500		116	75-125			
1,3-Dichloropropane	2810	100	ug/kg	2500		112	75-130			
2,2-Dichloropropane	2860	100	ug/kg	2500		114	70-150			
1,1-Dichloropropene	2830	100	ug/kg	2500		113	75-130			
cis-1,3-Dichloropropene	2820	100	ug/kg	2500		113	75-130			
trans-1,3-Dichloropropene	2760	100	ug/kg	2500		110	75-135			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E22016 Extracted: 05/22/04										
LCS Analyzed: 05/23/04 (4E22016-BS1)										
Ethylbenzene	2690	100	ug/kg	2500		108	80-120			
Hexachlorobutadiene	2530	250	ug/kg	2500		101	75-140			
Isopropylbenzene	2640	100	ug/kg	2500		106	75-125			
p-Isopropyltoluene	2540	100	ug/kg	2500		102	80-125			
Methylene chloride	3210	1000	ug/kg	2500		128	60-145			
Naphthalene	2480	250	ug/kg	2500		99	50-145			
n-Propylbenzene	2700	100	ug/kg	2500		108	75-130			
Styrene	2820	100	ug/kg	2500		113	80-135			
1,1,1,2-Tetrachloroethane	2620	250	ug/kg	2500		105	70-145			
1,1,2,2-Tetrachloroethane	2850	100	ug/kg	2500		114	60-135			
Tetrachloroethene	2590	100	ug/kg	2500		104	80-125			
Toluene	2710	100	ug/kg	2500		108	80-125			
1,2,3-Trichlorobenzene	2540	250	ug/kg	2500		102	65-135			
1,2,4-Trichlorobenzene	2480	250	ug/kg	2500		99	70-140			
1,1,1-Trichloroethane	2690	100	ug/kg	2500		108	75-140			
1,1,2-Trichloroethane	2820	100	ug/kg	2500		113	70-130			
Trichloroethene	2610	100	ug/kg	2500		104	80-130			
Trichlorofluoromethane	2770	250	ug/kg	2500		111	55-145			
1,2,3-Trichloropropane	2760	500	ug/kg	2500		110	60-130			
1,2,4-Trimethylbenzene	2600	100	ug/kg	2500		104	80-125			
1,3,5-Trimethylbenzene	2640	100	ug/kg	2500		106	80-125			
Vinyl chloride	1190	250	ug/kg	2500		48	10-120			
o-Xylene	2600	100	ug/kg	2500		104	80-125			
m,p-Xylenes	5360	100	ug/kg	5000		107	80-120			
Surrogate: Dibromofluoromethane	2820		ug/kg	2500		113	50-160			
Surrogate: Toluene-d8	2610		ug/kg	2500		104	60-160			
Surrogate: 4-Bromofluorobenzene	2670		ug/kg	2500		107	60-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E22016 Extracted: 05/22/04										
LCS Dup Analyzed: 05/23/04 (4E22016-BSD1)										
Benzene	2770	100	ug/kg	2500		111	75-125	2	20	
Bromobenzene	2630	250	ug/kg	2500		105	80-120	1	20	
Bromochloromethane	2760	250	ug/kg	2500		110	65-140	6	20	
Bromodichloromethane	2890	100	ug/kg	2500		116	70-140	0	20	
Bromoform	2480	250	ug/kg	2500		99	60-130	11	25	
Bromomethane	2090	250	ug/kg	2500		84	35-140	1	30	
n-Butylbenzene	2740	250	ug/kg	2500		110	80-130	1	20	
sec-Butylbenzene	2660	250	ug/kg	2500		106	75-125	2	20	
tert-Butylbenzene	2630	250	ug/kg	2500		105	80-125	3	20	
Carbon tetrachloride	2730	250	ug/kg	2500		109	70-140	2	20	
Chlorobenzene	2690	100	ug/kg	2500		108	80-125	1	20	
Chloroethane	2100	250	ug/kg	2500		84	40-145	3	25	
Chloroform	2910	100	ug/kg	2500		116	75-130	5	20	
Chloromethane	2140	250	ug/kg	2500		86	30-145	9	25	
2-Chlorotoluene	2730	250	ug/kg	2500		109	75-125	3	20	
4-Chlorotoluene	2720	250	ug/kg	2500		109	80-125	2	20	
Dibromochloromethane	2680	100	ug/kg	2500		107	65-145	6	20	
1,2-Dibromo-3-chloropropane	2240	250	ug/kg	2500		90	45-135	16	25	
1,2-Dibromoethane (EDB)	2580	100	ug/kg	2500		103	75-130	9	20	
Dibromomethane	2620	100	ug/kg	2500		105	75-135	7	20	
1,2-Dichlorobenzene	2560	100	ug/kg	2500		102	80-120	0	20	
1,3-Dichlorobenzene	2550	100	ug/kg	2500		102	80-120	3	20	
1,4-Dichlorobenzene	2560	100	ug/kg	2500		102	80-120	2	20	
Dichlorodifluoromethane	1850	250	ug/kg	2500		74	10-160	7	30	
1,1-Dichloroethane	2860	100	ug/kg	2500		114	70-135	3	20	
1,2-Dichloroethane	2650	100	ug/kg	2500		106	60-150	3	25	
1,1-Dichloroethene	3000	250	ug/kg	2500		120	80-145	2	20	
cis-1,2-Dichloroethene	2950	100	ug/kg	2500		118	70-135	2	20	
trans-1,2-Dichloroethene	3040	100	ug/kg	2500		122	70-135	4	20	
1,2-Dichloropropane	2820	100	ug/kg	2500		113	75-125	2	20	
1,3-Dichloropropane	2610	100	ug/kg	2500		104	75-130	7	20	
2,2-Dichloropropane	2790	100	ug/kg	2500		112	70-150	2	20	
1,1-Dichloropropene	2820	100	ug/kg	2500		113	75-130	0	20	
cis-1,3-Dichloropropene	2780	100	ug/kg	2500		111	75-130	1	20	
trans-1,3-Dichloropropene	2640	100	ug/kg	2500		106	75-135	4	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
Batch: 4E22016 Extracted: 05/22/04										
LCS Dup Analyzed: 05/23/04 (4E22016-BSD1)										
Ethylbenzene	2670	100	ug/kg	2500		107	80-120	1	20	
Hexachlorobutadiene	2560	250	ug/kg	2500		102	75-140	1	20	
Isopropylbenzene	2710	100	ug/kg	2500		108	75-125	3	20	
p-Isopropyltoluene	2580	100	ug/kg	2500		103	80-125	2	20	
Methylene chloride	3000	1000	ug/kg	2500		120	60-145	7	20	
Naphthalene	2250	250	ug/kg	2500		90	50-145	10	25	
n-Propylbenzene	2780	100	ug/kg	2500		111	75-130	3	20	
Styrene	2760	100	ug/kg	2500		110	80-135	2	20	
1,1,1,2-Tetrachloroethane	2630	250	ug/kg	2500		105	70-145	0	20	
1,1,2,2-Tetrachloroethane	2480	100	ug/kg	2500		99	60-135	14	25	
Tetrachloroethene	2610	100	ug/kg	2500		104	80-125	1	20	
Toluene	2670	100	ug/kg	2500		107	80-125	1	20	
1,2,3-Trichlorobenzene	2490	250	ug/kg	2500		100	65-135	2	20	
1,2,4-Trichlorobenzene	2500	250	ug/kg	2500		100	70-140	1	20	
1,1,1-Trichloroethane	2650	100	ug/kg	2500		106	75-140	1	20	
1,1,2-Trichloroethane	2640	100	ug/kg	2500		106	70-130	7	20	
Trichloroethene	2630	100	ug/kg	2500		105	80-130	1	20	
Trichlorofluoromethane	2750	250	ug/kg	2500		110	55-145	1	25	
1,2,3-Trichloropropane	2420	500	ug/kg	2500		97	60-130	13	20	
1,2,4-Trimethylbenzene	2650	100	ug/kg	2500		106	80-125	2	20	
1,3,5-Trimethylbenzene	2710	100	ug/kg	2500		108	80-125	3	20	
Vinyl chloride	1130	250	ug/kg	2500		45	10-120	5	30	
o-Xylene	2570	100	ug/kg	2500		103	80-125	1	20	
m,p-Xylenes	5290	100	ug/kg	5000		106	80-120	1	20	
Surrogate: Dibromofluoromethane	2700		ug/kg	2500		108	50-160			
Surrogate: Toluene-d8	2580		ug/kg	2500		103	60-160			
Surrogate: 4-Bromofluorobenzene	2550		ug/kg	2500		102	60-150			

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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
Batch: 4E22016 Extracted: 05/22/04										
Matrix Spike Analyzed: 05/23/04 (4E22016-MS1)					Source: INE1120-03					
Benzene	3320	100	ug/kg	2500	ND	133	60-140			
Bromobenzene	3130	250	ug/kg	2500	ND	125	65-130			
Bromochloromethane	3520	250	ug/kg	2500	ND	141	60-145			
Bromodichloromethane	3610	100	ug/kg	2500	ND	144	65-150			
Bromoform	3620	250	ug/kg	2500	ND	145	55-150			
Bromomethane	2430	250	ug/kg	2500	ND	97	30-160			
n-Butylbenzene	3740	250	ug/kg	2500	640	124	60-150			
sec-Butylbenzene	3510	250	ug/kg	2500	440	123	65-145			
tert-Butylbenzene	3170	250	ug/kg	2500	ND	127	60-150			
Carbon tetrachloride	3310	250	ug/kg	2500	ND	132	70-140			
Chlorobenzene	3360	100	ug/kg	2500	ND	134	70-140			
Chloroethane	2440	250	ug/kg	2500	ND	98	30-170			
Chloroform	3660	100	ug/kg	2500	ND	146	60-140			MI
Chloromethane	2280	250	ug/kg	2500	ND	91	30-160			
2-Chlorotoluene	3200	250	ug/kg	2500	ND	128	60-140			
4-Chlorotoluene	3020	250	ug/kg	2500	ND	121	70-135			
Dibromochloromethane	3460	100	ug/kg	2500	ND	138	60-150			
1,2-Dibromo-3-chloropropane	3960	250	ug/kg	2500	ND	158	40-150			MI
1,2-Dibromoethane (EDB)	3400	100	ug/kg	2500	ND	136	65-140			
Dibromomethane	3440	100	ug/kg	2500	ND	138	65-140			
1,2-Dichlorobenzene	3040	100	ug/kg	2500	ND	122	70-130			
1,3-Dichlorobenzene	2950	100	ug/kg	2500	ND	118	60-155			
1,4-Dichlorobenzene	2980	100	ug/kg	2500	ND	119	55-150			
Dichlorodifluoromethane	1760	250	ug/kg	2500	ND	70	10-160			
1,1-Dichloroethane	3430	100	ug/kg	2500	ND	137	60-155			
1,2-Dichloroethane	3370	100	ug/kg	2500	ND	135	55-150			
1,1-Dichloroethene	3560	250	ug/kg	2500	ND	142	60-165			
cis-1,2-Dichloroethene	3590	100	ug/kg	2500	ND	144	60-135			MI
trans-1,2-Dichloroethene	3660	100	ug/kg	2500	ND	146	50-155			
1,2-Dichloropropane	3520	100	ug/kg	2500	ND	141	65-135			MI
1,3-Dichloropropane	3350	100	ug/kg	2500	ND	134	65-135			
2,2-Dichloropropane	3140	100	ug/kg	2500	ND	126	60-150			
1,1-Dichloropropene	3390	100	ug/kg	2500	ND	136	60-140			
cis-1,3-Dichloropropene	3420	100	ug/kg	2500	ND	137	60-135			MI
trans-1,3-Dichloropropene	3410	100	ug/kg	2500	ND	136	55-155			

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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
Batch: 4E22016 Extracted: 05/22/04										
Matrix Spike Analyzed: 05/23/04 (4E22016-MS1)					Source: INE1120-03					
Ethylbenzene	3480	100	ug/kg	2500	320	126	60-140			
Hexachlorobutadiene	2960	250	ug/kg	2500	ND	118	65-145			
Isopropylbenzene	3650	100	ug/kg	2500	520	125	60-140			
p-Isopropyltoluene	3240	100	ug/kg	2500	280	118	60-145			
Methylene chloride	3590	1000	ug/kg	2500	ND	144	50-155			
Naphthalene	5290	250	ug/kg	2500	1900	136	30-165			
n-Propylbenzene	3960	100	ug/kg	2500	820	126	60-145			
Styrene	3270	100	ug/kg	2500	ND	131	60-145			
1,1,1,2-Tetrachloroethane	3260	250	ug/kg	2500	ND	130	65-145			
1,1,2,2-Tetrachloroethane	3650	100	ug/kg	2500	ND	146	60-150			
Tetrachloroethene	3090	100	ug/kg	2500	ND	124	65-145			
Toluene	3300	100	ug/kg	2500	ND	132	60-145			
1,2,3-Trichlorobenzene	3110	250	ug/kg	2500	ND	124	45-145			
1,2,4-Trichlorobenzene	2880	250	ug/kg	2500	ND	115	60-140			
1,1,1-Trichloroethane	3220	100	ug/kg	2500	ND	129	65-140			
1,1,2-Trichloroethane	3680	100	ug/kg	2500	ND	147	60-140			MI
Trichloroethene	3310	100	ug/kg	2500	ND	132	70-150			
Trichlorofluoromethane	3200	250	ug/kg	2500	ND	128	35-165			
1,2,3-Trichloropropane	3500	500	ug/kg	2500	ND	140	50-150			
1,2,4-Trimethylbenzene	3720	100	ug/kg	2500	840	115	70-135			
1,3,5-Trimethylbenzene	3320	100	ug/kg	2500	230	124	70-135			
Vinyl chloride	1250	250	ug/kg	2500	ND	50	10-120			
o-Xylene	3240	100	ug/kg	2500	210	121	60-145			
m,p-Xylenes	6660	100	ug/kg	5000	490	123	60-140			
Surrogate: Dibromofluoromethane	3220		ug/kg	2500		129	50-160			
Surrogate: Toluene-d8	3010		ug/kg	2500		120	60-160			
Surrogate: 4-Bromofluorobenzene	2960		ug/kg	2500		118	60-150			

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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
Batch: 4E22016 Extracted: 05/22/04										
Matrix Spike Dup Analyzed: 05/23/04 (4E22016-MSD1)					Source: INE1120-03					
Benzene	2880	100	ug/kg	2500	ND	115	60-140	14	25	
Bromobenzene	2930	250	ug/kg	2500	ND	117	65-130	7	25	
Bromochloromethane	3450	250	ug/kg	2500	ND	138	60-145	2	25	
Bromodichloromethane	3190	100	ug/kg	2500	ND	128	65-150	12	25	
Bromoform	3630	250	ug/kg	2500	ND	145	55-150	0	30	
Bromomethane	2230	250	ug/kg	2500	ND	89	30-160	9	30	
n-Butylbenzene	3330	250	ug/kg	2500	640	108	60-150	12	25	
sec-Butylbenzene	3200	250	ug/kg	2500	440	110	65-145	9	25	
tert-Butylbenzene	2990	250	ug/kg	2500	ND	120	60-150	6	20	
Carbon tetrachloride	2830	250	ug/kg	2500	ND	113	70-140	16	20	
Chlorobenzene	3100	100	ug/kg	2500	ND	124	70-140	8	25	
Chloroethane	2230	250	ug/kg	2500	ND	89	30-170	9	35	
Chloroform	3110	100	ug/kg	2500	ND	124	60-140	16	25	
Chloromethane	1920	250	ug/kg	2500	ND	77	30-160	17	30	
2-Chlorotoluene	2910	250	ug/kg	2500	ND	116	60-140	9	25	
4-Chlorotoluene	2780	250	ug/kg	2500	ND	111	70-135	8	20	
Dibromochloromethane	3300	100	ug/kg	2500	ND	132	60-150	5	25	
1,2-Dibromo-3-chloropropane	3530	250	ug/kg	2500	ND	141	40-150	11	30	
1,2-Dibromoethane (EDB)	3070	100	ug/kg	2500	ND	123	65-140	10	25	
Dibromomethane	3000	100	ug/kg	2500	ND	120	65-140	14	20	
1,2-Dichlorobenzene	2850	100	ug/kg	2500	ND	114	70-130	6	20	
1,3-Dichlorobenzene	2740	100	ug/kg	2500	ND	110	60-155	7	25	
1,4-Dichlorobenzene	2720	100	ug/kg	2500	ND	109	55-150	9	25	
Dichlorodifluoromethane	1480	250	ug/kg	2500	ND	59	10-160	17	35	
1,1-Dichloroethane	2920	100	ug/kg	2500	ND	117	60-155	16	25	
1,2-Dichloroethane	2960	100	ug/kg	2500	ND	118	55-150	13	30	
1,1-Dichloroethene	3030	250	ug/kg	2500	ND	121	60-165	16	25	
cis-1,2-Dichloroethene	3020	100	ug/kg	2500	ND	121	60-135	17	25	
trans-1,2-Dichloroethene	3030	100	ug/kg	2500	ND	121	50-155	19	25	
1,2-Dichloropropane	3110	100	ug/kg	2500	ND	124	65-135	12	20	
1,3-Dichloropropane	2920	100	ug/kg	2500	ND	117	65-135	14	20	
2,2-Dichloropropane	2910	100	ug/kg	2500	ND	116	60-150	8	20	
1,1-Dichloropropene	2950	100	ug/kg	2500	ND	118	60-140	14	20	
cis-1,3-Dichloropropene	2980	100	ug/kg	2500	ND	119	60-135	14	25	
trans-1,3-Dichloropropene	3120	100	ug/kg	2500	ND	125	55-155	9	25	

Del Mar Analytical, Irvine
Amanda Cordova
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Geosyntec Consultants/Project Navigator - Ascon
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Attention: Mike Reardon

Project ID: Ascon - Soils
SB0202/31
Report Number: INE1120

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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
Batch: 4E22016 Extracted: 05/22/04										
Matrix Spike Dup Analyzed: 05/23/04 (4E22016-MSD1)					Source: INE1120-03					
Ethylbenzene	3130	100	ug/kg	2500	320	112	60-140	11	25	
Hexachlorobutadiene	2830	250	ug/kg	2500	ND	113	65-145	4	25	
Isopropylbenzene	3340	100	ug/kg	2500	520	113	60-140	9	25	
p-Isopropyltoluene	2980	100	ug/kg	2500	280	108	60-145	8	25	
Methylene chloride	2980	1000	ug/kg	2500	ND	119	50-155	19	25	
Naphthalene	4460	250	ug/kg	2500	1900	102	30-165	17	30	
n-Propylbenzene	3520	100	ug/kg	2500	820	108	60-145	12	25	
Styrene	3060	100	ug/kg	2500	ND	122	60-145	7	20	
1,1,1,2-Tetrachloroethane	3100	250	ug/kg	2500	ND	124	65-145	5	20	
1,1,2,2-Tetrachloroethane	3170	100	ug/kg	2500	ND	127	60-150	14	20	
Tetrachloroethene	2880	100	ug/kg	2500	ND	115	65-145	7	25	
Toluene	2920	100	ug/kg	2500	ND	117	60-145	12	25	
1,2,3-Trichlorobenzene	2900	250	ug/kg	2500	ND	116	45-145	7	30	
1,2,4-Trichlorobenzene	2660	250	ug/kg	2500	ND	106	60-140	8	25	
1,1,1-Trichloroethane	2810	100	ug/kg	2500	ND	112	65-140	14	25	
1,1,2-Trichloroethane	3160	100	ug/kg	2500	ND	126	60-140	15	20	
Trichloroethene	3180	100	ug/kg	2500	ND	127	70-150	4	25	
Trichlorofluoromethane	2750	250	ug/kg	2500	ND	110	35-165	15	30	
1,2,3-Trichloropropane	3110	500	ug/kg	2500	ND	124	50-150	12	20	
1,2,4-Trimethylbenzene	3260	100	ug/kg	2500	840	97	70-135	13	20	
1,3,5-Trimethylbenzene	3030	100	ug/kg	2500	230	112	70-135	9	25	
Vinyl chloride	1230	250	ug/kg	2500	ND	49	10-120	2	35	
o-Xylene	2980	100	ug/kg	2500	210	111	60-145	8	25	
m,p-Xylenes	6030	100	ug/kg	5000	490	111	60-140	10	25	
Surrogate: Dibromofluoromethane	2830		ug/kg	2500		113	50-160			
Surrogate: Toluene-d8	2730		ug/kg	2500		109	60-160			
Surrogate: 4-Bromofluorobenzene	2820		ug/kg	2500		113	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	RPD Limit	Data Qualifiers
Batch: 4E23003 Extracted: 05/23/04										
Blank Analyzed: 05/23/04 (4E23003-BLK1)										
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
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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Amanda Cordova
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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4E23003 Extracted: 05/23/04										
Blank Analyzed: 05/23/04 (4E23003-BLK1)										
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	51.9		ug/kg	50.0		104	80-125			
Surrogate: Toluene-d8	49.6		ug/kg	50.0		99	80-120			
Surrogate: 4-Bromofluorobenzene	49.7		ug/kg	50.0		99	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E23003 Extracted: 05/23/04										
LCS Analyzed: 05/23/04 (4E23003-BS1)										
Benzene	45.9	2.0	ug/kg	50.0		92	70-120			
Bromobenzene	44.8	5.0	ug/kg	50.0		90	80-120			
Bromochloromethane	48.0	5.0	ug/kg	50.0		96	65-135			
Bromodichloromethane	50.5	2.0	ug/kg	50.0		101	70-140			
Bromoform	52.3	5.0	ug/kg	50.0		105	60-140			
Bromomethane	54.5	5.0	ug/kg	50.0		109	60-140			
n-Butylbenzene	44.2	5.0	ug/kg	50.0		88	75-130			
sec-Butylbenzene	43.4	5.0	ug/kg	50.0		87	75-125			
tert-Butylbenzene	43.6	5.0	ug/kg	50.0		87	80-125			
Carbon tetrachloride	49.4	5.0	ug/kg	50.0		99	70-140			
Chlorobenzene	46.9	2.0	ug/kg	50.0		94	80-125			
Chloroethane	51.3	5.0	ug/kg	50.0		103	55-145			
Chloroform	49.3	2.0	ug/kg	50.0		99	75-120			
Chloromethane	47.3	5.0	ug/kg	50.0		95	35-145			
2-Chlorotoluene	44.7	5.0	ug/kg	50.0		89	75-125			
4-Chlorotoluene	44.3	5.0	ug/kg	50.0		89	80-125			
Dibromochloromethane	50.9	2.0	ug/kg	50.0		102	65-145			
1,2-Dibromo-3-chloropropane	48.3	5.0	ug/kg	50.0		97	50-150			
1,2-Dibromoethane (EDB)	49.4	2.0	ug/kg	50.0		99	70-130			
Dibromomethane	49.1	2.0	ug/kg	50.0		98	70-130			
1,2-Dichlorobenzene	43.4	2.0	ug/kg	50.0		87	80-125			
1,3-Dichlorobenzene	42.0	2.0	ug/kg	50.0		84	80-120			
1,4-Dichlorobenzene	42.4	2.0	ug/kg	50.0		85	80-120			
Dichlorodifluoromethane	56.4	5.0	ug/kg	50.0		113	10-160			
1,1-Dichloroethane	48.4	2.0	ug/kg	50.0		97	70-135			
1,2-Dichloroethane	48.8	2.0	ug/kg	50.0		98	60-150			
1,1-Dichloroethene	52.0	5.0	ug/kg	50.0		104	75-130			
cis-1,2-Dichloroethene	49.0	2.0	ug/kg	50.0		98	70-125			
trans-1,2-Dichloroethene	51.3	2.0	ug/kg	50.0		103	70-130			
1,2-Dichloropropane	47.8	2.0	ug/kg	50.0		96	70-120			
1,3-Dichloropropane	48.2	2.0	ug/kg	50.0		96	70-130			
2,2-Dichloropropane	47.9	2.0	ug/kg	50.0		96	70-150			
1,1-Dichloropropene	48.0	2.0	ug/kg	50.0		96	75-130			
cis-1,3-Dichloropropene	48.2	2.0	ug/kg	50.0		96	75-130			
trans-1,3-Dichloropropene	48.5	2.0	ug/kg	50.0		97	70-135			

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
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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 Limit	Data Qualifiers
Batch: 4E23003 Extracted: 05/23/04										
LCS Analyzed: 05/23/04 (4E23003-BS1)										
Ethylbenzene	46.2	2.0	ug/kg	50.0		92	75-125			
Hexachlorobutadiene	40.8	5.0	ug/kg	50.0		82	75-140			
Isopropylbenzene	44.5	2.0	ug/kg	50.0		89	75-125			
p-Isopropyltoluene	42.4	2.0	ug/kg	50.0		85	75-125			
Methylene chloride	49.5	20	ug/kg	50.0		99	60-135			
Naphthalene	43.6	5.0	ug/kg	50.0		87	50-145			
n-Propylbenzene	45.0	2.0	ug/kg	50.0		90	75-130			
Styrene	48.6	2.0	ug/kg	50.0		97	80-135			
1,1,1,2-Tetrachloroethane	47.6	5.0	ug/kg	50.0		95	70-145			
1,1,2,2-Tetrachloroethane	48.1	2.0	ug/kg	50.0		96	55-145			
Tetrachloroethene	46.2	2.0	ug/kg	50.0		92	80-125			
Toluene	46.3	2.0	ug/kg	50.0		93	75-120			
1,2,3-Trichlorobenzene	42.8	5.0	ug/kg	50.0		86	65-135			
1,2,4-Trichlorobenzene	41.7	5.0	ug/kg	50.0		83	70-140			
1,1,1-Trichloroethane	47.0	2.0	ug/kg	50.0		94	75-140			
1,1,2-Trichloroethane	48.3	2.0	ug/kg	50.0		97	65-130			
Trichloroethene	45.7	2.0	ug/kg	50.0		91	75-125			
Trichlorofluoromethane	51.9	5.0	ug/kg	50.0		104	50-145			
1,2,3-Trichloropropane	47.6	10	ug/kg	50.0		95	55-140			
1,2,4-Trimethylbenzene	43.6	2.0	ug/kg	50.0		87	75-125			
1,3,5-Trimethylbenzene	44.7	2.0	ug/kg	50.0		89	80-125			
Vinyl chloride	47.3	5.0	ug/kg	50.0		95	45-130			
o-Xylene	44.8	2.0	ug/kg	50.0		90	75-125			
m,p-Xylenes	91.6	2.0	ug/kg	100		92	75-125			
Surrogate: Dibromofluoromethane	52.0		ug/kg	50.0		104	80-125			
Surrogate: Toluene-d8	50.7		ug/kg	50.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	50.0		ug/kg	50.0		100	80-120			

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 Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E23003 Extracted: 05/23/04										
Matrix Spike Analyzed: 05/23/04 (4E23003-MS1)					Source: INE1269-01					
Benzene	49.3	2.0	ug/kg	50.0	ND	99	65-130			
Bromobenzene	50.2	5.0	ug/kg	50.0	ND	100	70-130			
Bromochloromethane	50.4	5.0	ug/kg	50.0	ND	101	60-145			
Bromodichloromethane	53.0	2.0	ug/kg	50.0	ND	106	70-145			
Bromoform	53.1	5.0	ug/kg	50.0	ND	106	60-145			
Bromomethane	58.5	5.0	ug/kg	50.0	ND	117	50-150			
n-Butylbenzene	50.0	5.0	ug/kg	50.0	ND	100	60-140			
sec-Butylbenzene	49.2	5.0	ug/kg	50.0	ND	98	65-135			
tert-Butylbenzene	49.3	5.0	ug/kg	50.0	ND	99	70-130			
Carbon tetrachloride	52.7	5.0	ug/kg	50.0	ND	105	70-140			
Chlorobenzene	49.4	2.0	ug/kg	50.0	ND	99	80-130			
Chloroethane	52.8	5.0	ug/kg	50.0	ND	106	50-150			
Chloroform	52.2	2.0	ug/kg	50.0	ND	104	70-130			
Chloromethane	50.9	5.0	ug/kg	50.0	ND	102	30-150			
2-Chlorotoluene	50.3	5.0	ug/kg	50.0	ND	101	70-130			
4-Chlorotoluene	50.2	5.0	ug/kg	50.0	ND	100	65-135			
Dibromochloromethane	52.2	2.0	ug/kg	50.0	ND	104	65-145			
1,2-Dibromo-3-chloropropane	50.1	5.0	ug/kg	50.0	ND	100	50-150			
1,2-Dibromoethane (EDB)	50.4	2.0	ug/kg	50.0	ND	101	65-135			
Dibromomethane	50.3	2.0	ug/kg	50.0	ND	101	65-135			
1,2-Dichlorobenzene	47.9	2.0	ug/kg	50.0	ND	96	75-130			
1,3-Dichlorobenzene	47.5	2.0	ug/kg	50.0	ND	95	70-125			
1,4-Dichlorobenzene	48.0	2.0	ug/kg	50.0	ND	96	75-130			
Dichlorodifluoromethane	57.3	5.0	ug/kg	50.0	ND	115	10-200			
1,1-Dichloroethane	51.1	2.0	ug/kg	50.0	ND	102	70-135			
1,2-Dichloroethane	50.5	2.0	ug/kg	50.0	ND	101	60-150			
1,1-Dichloroethene	55.3	5.0	ug/kg	50.0	ND	111	75-140			
cis-1,2-Dichloroethene	51.7	2.0	ug/kg	50.0	ND	103	60-135			
trans-1,2-Dichloroethene	54.5	2.0	ug/kg	50.0	ND	109	65-135			
1,2-Dichloropropane	50.5	2.0	ug/kg	50.0	ND	101	65-125			
1,3-Dichloropropane	48.5	2.0	ug/kg	50.0	ND	97	65-135			
2,2-Dichloropropane	52.3	2.0	ug/kg	50.0	ND	105	60-150			
1,1-Dichloropropene	51.6	2.0	ug/kg	50.0	ND	103	60-140			
cis-1,3-Dichloropropene	50.6	2.0	ug/kg	50.0	ND	101	65-135			
trans-1,3-Dichloropropene	50.0	2.0	ug/kg	50.0	ND	100	65-140			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E23003 Extracted: 05/23/04										
Matrix Spike Analyzed: 05/23/04 (4E23003-MS1)					Source: INE1269-01					
Ethylbenzene	48.8	2.0	ug/kg	50.0	ND	98	70-130			
Hexachlorobutadiene	43.3	5.0	ug/kg	50.0	ND	87	65-145			
Isopropylbenzene	51.0	2.0	ug/kg	50.0	ND	102	60-135			
p-Isopropyltoluene	48.3	2.0	ug/kg	50.0	ND	97	60-135			
Methylene chloride	52.3	20	ug/kg	50.0	ND	105	60-145			
Naphthalene	45.1	5.0	ug/kg	50.0	ND	90	40-160			
n-Propylbenzene	51.0	2.0	ug/kg	50.0	ND	102	60-140			
Styrene	51.1	2.0	ug/kg	50.0	ND	102	70-145			
1,1,1,2-Tetrachloroethane	49.5	5.0	ug/kg	50.0	ND	99	65-145			
1,1,2,2-Tetrachloroethane	49.7	2.0	ug/kg	50.0	ND	99	55-150			
Tetrachloroethene	49.7	2.0	ug/kg	50.0	ND	99	70-130			
Toluene	49.3	2.0	ug/kg	50.0	ND	99	70-125			
1,2,3-Trichlorobenzene	45.0	5.0	ug/kg	50.0	ND	90	60-135			
1,2,4-Trichlorobenzene	44.5	5.0	ug/kg	50.0	ND	89	65-140			
1,1,1-Trichloroethane	49.5	2.0	ug/kg	50.0	ND	99	65-140			
1,1,2-Trichloroethane	49.8	2.0	ug/kg	50.0	ND	100	60-140			
Trichloroethene	50.2	2.0	ug/kg	50.0	ND	100	70-140			
Trichlorofluoromethane	54.9	5.0	ug/kg	50.0	ND	110	40-160			
1,2,3-Trichloropropane	51.1	10	ug/kg	50.0	ND	102	55-140			
1,2,4-Trimethylbenzene	49.3	2.0	ug/kg	50.0	ND	99	65-130			
1,3,5-Trimethylbenzene	50.4	2.0	ug/kg	50.0	ND	101	70-130			
Vinyl chloride	48.7	5.0	ug/kg	50.0	ND	97	45-130			
o-Xylene	47.6	2.0	ug/kg	50.0	ND	95	70-125			
m,p-Xylenes	96.4	2.0	ug/kg	100	ND	96	70-125			
Surrogate: Dibromofluoromethane	52.1		ug/kg	50.0		104	80-125			
Surrogate: Toluene-d8	50.8		ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	49.8		ug/kg	50.0		100	80-120			

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Huntington Beach, CA 92648
Attention: Mike Reardon

Project ID: Ascon - Soils
SB0202/31
Report Number: INE1120

Sampled: 05/18/04
Received: 05/19/04

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
Batch: 4E23003 Extracted: 05/23/04										
Matrix Spike Dup Analyzed: 05/23/04 (4E23003-MSD1)					Source: INE1269-01					
Benzene	45.7	2.0	ug/kg	50.0	ND	91	65-130	8	20	
Bromobenzene	45.9	5.0	ug/kg	50.0	ND	92	70-130	9	20	
Bromochloromethane	47.4	5.0	ug/kg	50.0	ND	95	60-145	6	25	
Bromodichloromethane	49.4	2.0	ug/kg	50.0	ND	99	70-145	7	20	
Bromoform	49.6	5.0	ug/kg	50.0	ND	99	60-145	7	25	
Bromomethane	53.0	5.0	ug/kg	50.0	ND	106	50-150	10	25	
n-Butylbenzene	45.5	5.0	ug/kg	50.0	ND	91	60-140	9	25	
sec-Butylbenzene	44.9	5.0	ug/kg	50.0	ND	90	65-135	9	20	
tert-Butylbenzene	45.4	5.0	ug/kg	50.0	ND	91	70-130	8	20	
Carbon tetrachloride	48.2	5.0	ug/kg	50.0	ND	96	70-140	9	20	
Chlorobenzene	46.2	2.0	ug/kg	50.0	ND	92	80-130	7	20	
Chloroethane	50.2	5.0	ug/kg	50.0	ND	100	50-150	5	30	
Chloroform	48.8	2.0	ug/kg	50.0	ND	98	70-130	7	20	
Chloromethane	47.0	5.0	ug/kg	50.0	ND	94	30-150	8	30	
2-Chlorotoluene	45.7	5.0	ug/kg	50.0	ND	91	70-130	10	20	
4-Chlorotoluene	45.8	5.0	ug/kg	50.0	ND	92	65-135	9	20	
Dibromochloromethane	49.1	2.0	ug/kg	50.0	ND	98	65-145	6	25	
1,2-Dibromo-3-chloropropane	47.6	5.0	ug/kg	50.0	ND	95	50-150	5	30	
1,2-Dibromoethane (EDB)	47.4	2.0	ug/kg	50.0	ND	95	65-135	6	20	
Dibromomethane	47.8	2.0	ug/kg	50.0	ND	96	65-135	5	20	
1,2-Dichlorobenzene	44.1	2.0	ug/kg	50.0	ND	88	75-130	8	20	
1,3-Dichlorobenzene	43.8	2.0	ug/kg	50.0	ND	88	70-125	8	20	
1,4-Dichlorobenzene	43.8	2.0	ug/kg	50.0	ND	88	75-130	9	20	
Dichlorodifluoromethane	53.5	5.0	ug/kg	50.0	ND	107	10-200	7	35	
1,1-Dichloroethane	48.0	2.0	ug/kg	50.0	ND	96	70-135	6	20	
1,2-Dichloroethane	47.3	2.0	ug/kg	50.0	ND	95	60-150	7	25	
1,1-Dichloroethene	51.2	5.0	ug/kg	50.0	ND	102	75-140	8	20	
cis-1,2-Dichloroethene	48.2	2.0	ug/kg	50.0	ND	96	60-135	7	20	
trans-1,2-Dichloroethene	50.6	2.0	ug/kg	50.0	ND	101	65-135	7	20	
1,2-Dichloropropane	46.9	2.0	ug/kg	50.0	ND	94	65-125	7	20	
1,3-Dichloropropane	45.9	2.0	ug/kg	50.0	ND	92	65-135	6	20	
2,2-Dichloropropane	47.6	2.0	ug/kg	50.0	ND	95	60-150	9	20	
1,1-Dichloropropene	47.2	2.0	ug/kg	50.0	ND	94	60-140	9	20	
cis-1,3-Dichloropropene	47.6	2.0	ug/kg	50.0	ND	95	65-135	6	20	
trans-1,3-Dichloropropene	47.3	2.0	ug/kg	50.0	ND	95	65-140	6	20	

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
Batch: 4E23003 Extracted: 05/23/04										
Matrix Spike Dup Analyzed: 05/23/04 (4E23003-MSD1)					Source: INE1269-01					
Ethylbenzene	45.6	2.0	ug/kg	50.0	ND	91	70-130	7	20	
Hexachlorobutadiene	39.9	5.0	ug/kg	50.0	ND	80	65-145	8	20	
Isopropylbenzene	46.5	2.0	ug/kg	50.0	ND	93	60-135	9	25	
p-Isopropyltoluene	44.1	2.0	ug/kg	50.0	ND	88	60-135	9	20	
Methylene chloride	48.5	20	ug/kg	50.0	ND	97	60-145	8	25	
Naphthalene	42.9	5.0	ug/kg	50.0	ND	86	40-160	5	25	
n-Propylbenzene	46.9	2.0	ug/kg	50.0	ND	94	60-140	8	25	
Styrene	47.7	2.0	ug/kg	50.0	ND	95	70-145	7	20	
1,1,1,2-Tetrachloroethane	46.5	5.0	ug/kg	50.0	ND	93	65-145	6	20	
1,1,2,2-Tetrachloroethane	46.5	2.0	ug/kg	50.0	ND	93	55-150	7	25	
Tetrachloroethene	46.2	2.0	ug/kg	50.0	ND	92	70-130	7	20	
Toluene	45.6	2.0	ug/kg	50.0	ND	91	70-125	8	20	
1,2,3-Trichlorobenzene	41.2	5.0	ug/kg	50.0	ND	82	60-135	9	20	
1,2,4-Trichlorobenzene	41.1	5.0	ug/kg	50.0	ND	82	65-140	8	25	
1,1,1-Trichloroethane	46.3	2.0	ug/kg	50.0	ND	93	65-140	7	20	
1,1,2-Trichloroethane	46.8	2.0	ug/kg	50.0	ND	94	60-140	6	20	
Trichloroethene	47.1	2.0	ug/kg	50.0	ND	94	70-140	6	20	
Trichlorofluoromethane	50.5	5.0	ug/kg	50.0	ND	101	40-160	8	30	
1,2,3-Trichloropropane	48.1	10	ug/kg	50.0	ND	96	55-140	6	25	
1,2,4-Trimethylbenzene	45.1	2.0	ug/kg	50.0	ND	90	65-130	9	20	
1,3,5-Trimethylbenzene	45.9	2.0	ug/kg	50.0	ND	92	70-130	9	20	
Vinyl chloride	45.1	5.0	ug/kg	50.0	ND	90	45-130	8	30	
o-Xylene	44.0	2.0	ug/kg	50.0	ND	88	70-125	8	20	
m,p-Xylenes	90.3	2.0	ug/kg	100	ND	90	70-125	7	20	
Surrogate: Dibromofluoromethane	51.6		ug/kg	50.0		103	80-125			
Surrogate: Toluene-d8	50.7		ug/kg	50.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	49.7		ug/kg	50.0		99	80-120			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4E21052 Extracted: 05/21/04										
Blank Analyzed: 05/24/04 (4E21052-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							
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
Batch: 4E21052 Extracted: 05/21/04										
Blank Analyzed: 05/24/04 (4E21052-BLK1)										
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	3330		ug/kg	6670		50	25-120			
Surrogate: Phenol-d6	3830		ug/kg	6670		57	30-120			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21052 Extracted: 05/21/04										
Blank Analyzed: 05/24/04 (4E21052-BLK1)										
Surrogate: 2,4,6-Tribromophenol	4070		ug/kg	6670		61	35-120			
Surrogate: Nitrobenzene-d5	1990		ug/kg	3330		60	30-120			
Surrogate: 2-Fluorobiphenyl	2360		ug/kg	3330		71	35-120			
Surrogate: Terphenyl-d14	2440		ug/kg	3330		73	35-155			
LCS Analyzed: 05/24/04 (4E21052-BS1)										
Acenaphthene	2590	330	ug/kg	3330		78	55-120			A-01a
Acenaphthylene	3010	330	ug/kg	3330		90	55-120			
Aniline	1940	420	ug/kg	3330		58	30-120			
Anthracene	3000	330	ug/kg	3330		90	55-120			
Benzidine	561	660	ug/kg	3330		17	10-180			
Benzoic acid	837	830	ug/kg	3330		25	30-125			
Benzo(a)anthracene	2810	330	ug/kg	3330		84	65-120			
Benzo(b)fluoranthene	3580	330	ug/kg	3330		108	65-120			
Benzo(k)fluoranthene	3230	330	ug/kg	3330		97	60-120			
Benzo(g,h,i)perylene	3040	330	ug/kg	3330		91	25-160			
Benzo(a)pyrene	3430	330	ug/kg	3330		103	60-120			
Benzyl alcohol	2240	330	ug/kg	3330		67	40-130			
Bis(2-chloroethoxy)methane	2380	330	ug/kg	3330		71	50-120			
Bis(2-chloroethyl)ether	2320	170	ug/kg	3330		70	40-120			
Bis(2-chloroisopropyl)ether	2290	330	ug/kg	3330		69	40-120			
Bis(2-ethylhexyl)phthalate	3080	330	ug/kg	3330		92	65-125			
4-Bromophenyl phenyl ether	2690	330	ug/kg	3330		81	50-125			
Butyl benzyl phthalate	2920	330	ug/kg	3330		88	65-120			
4-Chloroaniline	1800	330	ug/kg	3330		54	20-120			
2-Chloronaphthalene	2470	330	ug/kg	3330		74	50-120			
4-Chloro-3-methylphenol	2560	330	ug/kg	3330		77	50-120			
2-Chlorophenol	2190	330	ug/kg	3330		66	45-120			
4-Chlorophenyl phenyl ether	2890	330	ug/kg	3330		87	55-120			
Chrysene	2660	330	ug/kg	3330		80	60-120			
Dibenz(a,h)anthracene	3200	420	ug/kg	3330		96	25-160			
Dibenzofuran	2530	330	ug/kg	3330		76	55-120			
Di-n-butyl phthalate	3190	330	ug/kg	3330		96	60-120			
1,3-Dichlorobenzene	2190	330	ug/kg	3330		66	40-120			
1,4-Dichlorobenzene	2010	330	ug/kg	3330		60	40-120			
1,2-Dichlorobenzene	2200	330	ug/kg	3330		66	40-120			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21052 Extracted: 05/21/04										
LCS Analyzed: 05/24/04 (4E21052-BS1)										
3,3-Dichlorobenzidine	2440	830	ug/kg	3330		73	20-170			A-01a
2,4-Dichlorophenol	2380	330	ug/kg	3330		71	55-120			
Diethyl phthalate	2770	330	ug/kg	3330		83	55-120			
2,4-Dimethylphenol	2120	330	ug/kg	3330		64	45-120			
Dimethyl phthalate	2870	330	ug/kg	3330		86	60-120			
4,6-Dinitro-2-methylphenol	412	420	ug/kg	3330		12	50-120			
2,4-Dinitrophenol	445	420	ug/kg	3330		13	25-140			
2,4-Dinitrotoluene	2500	330	ug/kg	3330		75	60-140			
2,6-Dinitrotoluene	2690	330	ug/kg	3330		81	60-125			
Di-n-octyl phthalate	3230	330	ug/kg	3330		97	60-135			
Fluoranthene	2910	330	ug/kg	3330		87	55-130			
Fluorene	2880	330	ug/kg	3330		86	55-120			
Hexachlorobenzene	2820	330	ug/kg	3330		85	45-120			
Hexachlorobutadiene	2350	330	ug/kg	3330		71	40-120			
Hexachlorocyclopentadiene	659	830	ug/kg	3330		20	45-130			
Hexachloroethane	2030	330	ug/kg	3330		61	40-120			
Indeno(1,2,3-cd)pyrene	3170	330	ug/kg	3330		95	25-150			
Isophorone	2310	330	ug/kg	3330		69	45-120			
2-Methylnaphthalene	2650	330	ug/kg	3330		80	50-120			
2-Methylphenol	2250	330	ug/kg	3330		68	50-120			
4-Methylphenol	2310	330	ug/kg	3330		69	50-120			
Naphthalene	2760	330	ug/kg	3330		83	45-120			
2-Nitroaniline	2730	330	ug/kg	3330		82	55-130			
3-Nitroaniline	2510	330	ug/kg	3330		75	40-140			
4-Nitroaniline	2410	830	ug/kg	3330		72	40-160			
Nitrobenzene	2340	330	ug/kg	3330		70	45-120			
2-Nitrophenol	1990	330	ug/kg	3330		60	50-120			
4-Nitrophenol	2120	830	ug/kg	3330		64	45-135			
N-Nitrosodiphenylamine	2530	330	ug/kg	3330		76	55-120			
N-Nitroso-di-n-propylamine	2240	250	ug/kg	3330		67	45-120			
Pentachlorophenol	1490	830	ug/kg	3330		45	50-120			
Phenanthrene	3030	330	ug/kg	3330		91	55-120			
Phenol	2190	330	ug/kg	3330		66	45-120			
Pyrene	3190	330	ug/kg	3330		96	50-120			
1,2,4-Trichlorobenzene	2340	330	ug/kg	3330		70	45-120			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E21052 Extracted: 05/21/04										
LCS Analyzed: 05/24/04 (4E21052-BS1)										
2,4,5-Trichlorophenol	2770	330	ug/kg	3330		83	55-120			A-01a
2,4,6-Trichlorophenol	2620	330	ug/kg	3330		79	55-120			
1,2-Diphenylhydrazine/Azobenzene	2880	330	ug/kg	3330		86	60-120			
Surrogate: 2-Fluorophenol	4480		ug/kg	6670		67	25-120			
Surrogate: Phenol-d6	4610		ug/kg	6670		69	30-120			
Surrogate: 2,4,6-Tribromophenol	5380		ug/kg	6670		81	35-120			
Surrogate: Nitrobenzene-d5	2400		ug/kg	3330		72	30-120			
Surrogate: 2-Fluorobiphenyl	2780		ug/kg	3330		83	35-120			
Surrogate: Terphenyl-d14	3100		ug/kg	3330		93	35-155			
Matrix Spike Analyzed: 05/24/04 (4E21052-MS1)										
Source: INE1048-16										
Acenaphthene	2370	330	ug/kg	3330	ND	71	45-120			A-01a
Acenaphthylene	2690	330	ug/kg	3330	ND	81	45-120			
Aniline	1930	420	ug/kg	3330	ND	58	30-120			
Anthracene	2870	330	ug/kg	3330	ND	86	55-120			
Benidine	ND	660	ug/kg	3330	ND		10-180			
Benzoic acid	1150	830	ug/kg	3330	ND	35	20-125			
Benzo(a)anthracene	2810	330	ug/kg	3330	ND	84	55-120			
Benzo(b)fluoranthene	3250	330	ug/kg	3330	ND	98	65-120			
Benzo(k)fluoranthene	3100	330	ug/kg	3330	ND	93	55-120			
Benzo(g,h,i)perylene	3180	330	ug/kg	3330	ND	95	25-160			
Benzo(a)pyrene	3290	330	ug/kg	3330	ND	99	60-120			
Benzyl alcohol	1950	330	ug/kg	3330	ND	59	40-130			
Bis(2-chloroethoxy)methane	2320	330	ug/kg	3330	ND	70	45-120			
Bis(2-chloroethyl)ether	2190	170	ug/kg	3330	ND	66	40-120			
Bis(2-chloroisopropyl)ether	2150	330	ug/kg	3330	ND	65	40-120			
Bis(2-ethylhexyl)phthalate	2630	330	ug/kg	3330	ND	79	60-135			
4-Bromophenyl phenyl ether	2520	330	ug/kg	3330	ND	76	50-125			
Butyl benzyl phthalate	2570	330	ug/kg	3330	ND	77	55-150			
4-Chloroaniline	1600	330	ug/kg	3330	ND	48	20-120			
2-Chloronaphthalene	2290	330	ug/kg	3330	ND	69	55-120			
4-Chloro-3-methylphenol	2630	330	ug/kg	3330	ND	79	45-125			
2-Chlorophenol	2150	330	ug/kg	3330	ND	65	40-120			
4-Chlorophenyl phenyl ether	2750	330	ug/kg	3330	ND	83	55-120			
Chrysene	2680	330	ug/kg	3330	ND	80	60-120			
Dibenz(a,h)anthracene	3380	420	ug/kg	3330	ND	102	25-160			

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Geosyntec Consultants/Project Navigator - Ascon
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Project ID: Ascon - Soils
 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

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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
Batch: 4E21052 Extracted: 05/21/04										
Matrix Spike Analyzed: 05/24/04 (4E21052-MS1)					Source: INE1048-16					A-01a
Dibenzofuran	2370	330	ug/kg	3330	ND	71	55-120			
Di-n-butyl phthalate	2830	330	ug/kg	3330	ND	85	60-120			
1,3-Dichlorobenzene	2180	330	ug/kg	3330	ND	65	35-120			
1,4-Dichlorobenzene	1760	330	ug/kg	3330	ND	53	40-120			
1,2-Dichlorobenzene	2060	330	ug/kg	3330	ND	62	40-120			
3,3-Dichlorobenzidine	2310	830	ug/kg	3330	ND	69	20-170			
2,4-Dichlorophenol	2400	330	ug/kg	3330	ND	72	40-120			
Diethyl phthalate	2660	330	ug/kg	3330	ND	80	55-120			
2,4-Dimethylphenol	2250	330	ug/kg	3330	ND	68	35-120			
Dimethyl phthalate	2720	330	ug/kg	3330	ND	82	50-120			
4,6-Dinitro-2-methylphenol	1270	420	ug/kg	3330	ND	38	40-120			
2,4-Dinitrophenol	872	420	ug/kg	3330	ND	26	20-140			
2,4-Dinitrotoluene	2590	330	ug/kg	3330	ND	78	55-140			
2,6-Dinitrotoluene	2610	330	ug/kg	3330	ND	78	55-125			
Di-n-octyl phthalate	2840	330	ug/kg	3330	ND	85	45-140			
Fluoranthene	2700	330	ug/kg	3330	ND	81	45-130			
Fluorene	2710	330	ug/kg	3330	ND	81	55-120			
Hexachlorobenzene	2530	330	ug/kg	3330	ND	76	35-120			
Hexachlorobutadiene	2210	330	ug/kg	3330	ND	66	40-120			
Hexachlorocyclopentadiene	1370	830	ug/kg	3330	ND	41	30-145			
Hexachloroethane	1950	330	ug/kg	3330	ND	59	40-120			
Indeno(1,2,3-cd)pyrene	3410	330	ug/kg	3330	ND	102	25-150			
Isophorone	2200	330	ug/kg	3330	ND	66	40-120			
2-Methylnaphthalene	2600	330	ug/kg	3330	ND	78	40-120			
2-Methylphenol	2190	330	ug/kg	3330	ND	66	40-120			
4-Methylphenol	2310	330	ug/kg	3330	ND	69	40-120			
Naphthalene	2570	330	ug/kg	3330	ND	77	40-120			
2-Nitroaniline	2670	330	ug/kg	3330	ND	80	55-130			
3-Nitroaniline	2420	330	ug/kg	3330	ND	73	40-140			
4-Nitroaniline	2610	830	ug/kg	3330	ND	78	40-160			
Nitrobenzene	2230	330	ug/kg	3330	ND	67	45-120			
2-Nitrophenol	2030	330	ug/kg	3330	ND	61	40-120			
4-Nitrophenol	2100	830	ug/kg	3330	ND	63	35-135			
N-Nitrosodiphenylamine	2360	330	ug/kg	3330	ND	71	55-120			
N-Nitroso-di-n-propylamine	2290	250	ug/kg	3330	ND	69	40-120			

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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 sections for Batch: 4E21052, Matrix Spike Analyzed: 05/24/04 (4E21052-MS1), and Matrix Spike Dup Analyzed: 05/24/04 (4E21052-MSD1).

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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
Batch: 4E21052 Extracted: 05/21/04										
Matrix Spike Dup Analyzed: 05/24/04 (4E21052-MSD1)					Source: INE1048-16					A-01a
4-Chloro-3-methylphenol	603	330	ug/kg	3330	ND	18	45-125	125	20	
2-Chlorophenol	661	330	ug/kg	3330	ND	20	40-120	106	20	
4-Chlorophenyl phenyl ether	831	330	ug/kg	3330	ND	25	55-120	107	20	
Chrysene	845	330	ug/kg	3330	ND	25	60-120	104	20	
Dibenz(a,h)anthracene	1010	420	ug/kg	3330	ND	30	25-160	108	25	
Dibenzofuran	771	330	ug/kg	3330	ND	23	55-120	102	20	
Di-n-butyl phthalate	941	330	ug/kg	3330	ND	28	60-120	100	20	
1,3-Dichlorobenzene	699	330	ug/kg	3330	ND	21	35-120	103	25	
1,4-Dichlorobenzene	568	330	ug/kg	3330	ND	17	40-120	102	25	
1,2-Dichlorobenzene	663	330	ug/kg	3330	ND	20	40-120	103	20	
3,3-Dichlorobenzidine	686	830	ug/kg	3330	ND	21	20-170	108	25	
2,4-Dichlorophenol	697	330	ug/kg	3330	ND	21	40-120	110	20	
Diethyl phthalate	813	330	ug/kg	3330	ND	24	55-120	106	20	
2,4-Dimethylphenol	635	330	ug/kg	3330	ND	19	35-120	112	25	
Dimethyl phthalate	843	330	ug/kg	3330	ND	25	50-120	105	20	
4,6-Dinitro-2-methylphenol	192	420	ug/kg	3330	ND	6	40-120	147	20	
2,4-Dinitrophenol	ND	420	ug/kg	3330	ND		20-140		25	
2,4-Dinitrotoluene	667	330	ug/kg	3330	ND	20	55-140	118	20	
2,6-Dinitrotoluene	716	330	ug/kg	3330	ND	22	55-125	114	20	
Di-n-octyl phthalate	1060	330	ug/kg	3330	ND	32	45-140	91	20	
Fluoranthene	923	330	ug/kg	3330	ND	28	45-130	98	20	
Fluorene	795	330	ug/kg	3330	ND	24	55-120	109	20	
Hexachlorobenzene	889	330	ug/kg	3330	ND	27	35-120	96	25	
Hexachlorobutadiene	748	330	ug/kg	3330	ND	22	40-120	99	20	
Hexachlorocyclopentadiene	ND	830	ug/kg	3330	ND		30-145		30	
Hexachloroethane	591	330	ug/kg	3330	ND	18	40-120	107	20	
Indeno(1,2,3-cd)pyrene	973	330	ug/kg	3330	ND	29	25-150	111	25	
Isophorone	719	330	ug/kg	3330	ND	22	40-120	101	20	
2-Methylnaphthalene	712	330	ug/kg	3330	ND	21	40-120	114	20	
2-Methylphenol	687	330	ug/kg	3330	ND	21	40-120	104	20	
4-Methylphenol	685	330	ug/kg	3330	ND	21	40-120	109	20	
Naphthalene	543	330	ug/kg	3330	ND	16	40-120	130	20	
2-Nitroaniline	777	330	ug/kg	3330	ND	23	55-130	110	20	
3-Nitroaniline	708	330	ug/kg	3330	ND	21	40-140	109	25	
4-Nitroaniline	665	830	ug/kg	3330	ND	20	40-160	119	20	

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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
Batch: 4E21052 Extracted: 05/21/04										
Matrix Spike Dup Analyzed: 05/24/04 (4E21052-MSD1)					Source: INE1048-16					A-01a
Nitrobenzene	710	330	ug/kg	3330	ND	21	45-120	103	20	
2-Nitrophenol	512	330	ug/kg	3330	ND	15	40-120	119	20	
4-Nitrophenol	491	830	ug/kg	3330	ND	15	35-135	124	25	
N-Nitrosodiphenylamine	808	330	ug/kg	3330	ND	24	55-120	98	20	
N-Nitroso-di-n-propylamine	709	250	ug/kg	3330	ND	21	40-120	105	20	
Pentachlorophenol	ND	830	ug/kg	3330	ND		40-120		20	
Phenanthrene	797	330	ug/kg	3330	ND	24	55-120	111	20	
Phenol	681	330	ug/kg	3330	ND	20	40-120	101	20	
Pyrene	862	330	ug/kg	3330	ND	26	50-120	111	20	
1,2,4-Trichlorobenzene	710	330	ug/kg	3330	ND	21	45-120	102	20	
2,4,5-Trichlorophenol	776	330	ug/kg	3330	ND	23	55-120	110	20	
2,4,6-Trichlorophenol	741	330	ug/kg	3330	ND	22	40-120	107	20	
1,2-Diphenylhydrazine/Azobenzene	905	330	ug/kg	3330	ND	27	60-120	99	20	
Surrogate: 2-Fluorophenol	1190		ug/kg	6670		18	25-120			
Surrogate: Phenol-d6	1280		ug/kg	6670		19	30-120			
Surrogate: 2,4,6-Tribromophenol	1450		ug/kg	6670		22	35-120			
Surrogate: Nitrobenzene-d5	616		ug/kg	3330		18	30-120			
Surrogate: 2-Fluorobiphenyl	549		ug/kg	3330		16	35-120			
Surrogate: Terphenyl-d14	889		ug/kg	3330		27	35-155			

Batch: 4E25044 Extracted: 05/25/04
Blank Analyzed: 05/27/04 (4E25044-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
Batch: 4E25044 Extracted: 05/25/04										
Blank Analyzed: 05/27/04 (4E25044-BLK1)										
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
Batch: 4E25044 Extracted: 05/25/04										
Blank Analyzed: 05/27/04 (4E25044-BLK1)										
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			
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			
LCS Analyzed: 05/26/04 (4E25044-BS1)										
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			

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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
Batch: 4E25044 Extracted: 05/25/04										
LCS Analyzed: 05/26/04 (4E25044-BS1)										
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			
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			

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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
Batch: 4E25044 Extracted: 05/25/04										
LCS Analyzed: 05/26/04 (4E25044-BS1)										
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			
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			

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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
Batch: 4E25044 Extracted: 05/25/04										
Matrix Spike Analyzed: 05/26/04 (4E25044-MS1)					Source: INE1411-02					
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			
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			

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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
Batch: 4E25044 Extracted: 05/25/04										
Matrix Spike Analyzed: 05/26/04 (4E25044-MS1)					Source: INE1411-02					
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			
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			

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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
Batch: 4E25044 Extracted: 05/25/04										
Matrix Spike Analyzed: 05/26/04 (4E25044-MS1)					Source: INE1411-02					
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			
Matrix Spike Dup Analyzed: 05/26/04 (4E25044-MSD1)					Source: INE1411-02					
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	
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	

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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
Batch: 4E25044 Extracted: 05/25/04										
Matrix Spike Dup Analyzed: 05/26/04 (4E25044-MSD1)					Source: INE1411-02					
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	
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	

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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
Batch: 4E25044 Extracted: 05/25/04										
Matrix Spike Dup Analyzed: 05/26/04 (4E25044-MSD1)					Source: INE1411-02					
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			

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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4F10096 Extracted: 05/24/04										
Blank Analyzed: 06/11/04 (4F10096-BLK1)										
Aldrin	ND	6.2	ug/kg							
alpha-BHC	ND	6.2	ug/kg							
beta-BHC	ND	6.2	ug/kg							
delta-BHC	ND	12	ug/kg							
gamma-BHC (Lindane)	ND	6.2	ug/kg							
Chlordane	ND	62	ug/kg							
4,4'-DDD	ND	6.2	ug/kg							
4,4'-DDE	ND	6.2	ug/kg							
4,4'-DDT	ND	6.2	ug/kg							
Dieldrin	ND	6.2	ug/kg							
Endosulfan I	ND	6.2	ug/kg							
Endosulfan II	ND	6.2	ug/kg							
Endosulfan sulfate	ND	12	ug/kg							
Endrin	ND	6.2	ug/kg							
Endrin aldehyde	ND	6.2	ug/kg							
Endrin ketone	ND	6.2	ug/kg							
Heptachlor	ND	6.2	ug/kg							
Heptachlor epoxide	ND	6.2	ug/kg							
Methoxychlor	ND	6.2	ug/kg							
Toxaphene	ND	250	ug/kg							
Surrogate: Tetrachloro-m-xylene	12.6		ug/kg	16.7		75	35-115			
Surrogate: Decachlorobiphenyl	29.7		ug/kg	33.3		89	45-125			
LCS Analyzed: 06/11/04 (4F10096-BS1)										
Aldrin	2.60	6.2	ug/kg	3.33		78	50-115			A-01
alpha-BHC	2.63	6.2	ug/kg	3.33		79	55-115			
beta-BHC	3.72	6.2	ug/kg	3.33		112	55-115			
delta-BHC	2.70	12	ug/kg	3.33		81	60-115			
gamma-BHC (Lindane)	2.70	6.2	ug/kg	3.33		81	55-115			
4,4'-DDD	18.3	6.2	ug/kg	20.0		92	65-115			
4,4'-DDE	6.14	6.2	ug/kg	6.67		92	65-115			
4,4'-DDT	18.8	6.2	ug/kg	20.0		94	70-125			
Dieldrin	5.85	6.2	ug/kg	6.67		88	65-115			
Endosulfan I	5.34	6.2	ug/kg	6.67		80	60-115			
Endosulfan II	5.74	6.2	ug/kg	6.67		86	70-115			
Endosulfan sulfate	18.5	12	ug/kg	20.0		92	65-115			

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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4F10096 Extracted: 05/24/04										
LCS Analyzed: 06/11/04 (4F10096-BS1)										
Endrin	5.77	6.2	ug/kg	6.67		87	70-115			A-01
Endrin aldehyde	17.8	6.2	ug/kg	20.0		89	55-115			
Endrin ketone	19.5	6.2	ug/kg	20.0		98	65-115			
Heptachlor	2.96	6.2	ug/kg	3.33		89	50-115			
Heptachlor epoxide	2.93	6.2	ug/kg	3.33		88	60-115			
Methoxychlor	13.0	6.2	ug/kg	13.3		98	65-125			
Surrogate: Tetrachloro-m-xylene	11.2		ug/kg	13.3		84	35-115			
Surrogate: Decachlorobiphenyl	26.7		ug/kg	26.7		100	45-125			

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METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4E20076 Extracted: 05/20/04										
Blank Analyzed: 05/21/04 (4E20076-BLK1)										
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							
LCS Analyzed: 05/21/04 (4E20076-BS1)										
Antimony	50.6	10	mg/kg	50.0		101	80-120			
Arsenic	48.6	2.0	mg/kg	50.0		97	80-120			
Barium	50.6	1.0	mg/kg	50.0		101	80-120			
Beryllium	49.7	0.50	mg/kg	50.0		99	80-120			
Cadmium	48.4	0.50	mg/kg	50.0		97	80-120			
Chromium	49.2	1.0	mg/kg	50.0		98	80-120			
Cobalt	50.4	1.0	mg/kg	50.0		101	80-120			
Copper	48.9	2.0	mg/kg	50.0		98	80-120			
Lead	49.2	2.0	mg/kg	50.0		98	80-120			
Molybdenum	50.2	2.0	mg/kg	50.0		100	80-120			
Nickel	48.4	2.0	mg/kg	50.0		97	80-120			
Selenium	43.8	2.0	mg/kg	50.0		88	80-120			
Silver	24.9	1.0	mg/kg	25.0		100	80-120			
Thallium	46.4	10	mg/kg	50.0		93	80-120			
Vanadium	51.0	1.0	mg/kg	50.0		102	80-120			
Zinc	47.1	5.0	mg/kg	50.0		94	80-120			

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 SB0202/31
 Report Number: INE1120

Sampled: 05/18/04
 Received: 05/19/04

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E20076 Extracted: 05/20/04										
Matrix Spike Analyzed: 05/21/04 (4E20076-MS1)					Source: INE0971-01					
Antimony	23.1	10	mg/kg	50.0	ND	46	75-125			M2
Arsenic	53.0	2.0	mg/kg	50.0	6.0	94	75-125			
Barium	111	1.0	mg/kg	50.0	58	106	75-125			
Beryllium	49.8	0.50	mg/kg	50.0	0.44	99	75-125			
Cadmium	47.8	0.50	mg/kg	50.0	0.33	95	75-125			
Chromium	69.5	1.0	mg/kg	50.0	21	97	75-125			
Cobalt	55.0	1.0	mg/kg	50.0	5.3	99	75-125			
Copper	60.6	2.0	mg/kg	50.0	9.1	103	75-125			
Lead	56.5	2.0	mg/kg	50.0	8.5	96	75-125			
Molybdenum	48.6	2.0	mg/kg	50.0	0.34	97	75-125			
Nickel	63.4	2.0	mg/kg	50.0	15	97	75-125			
Selenium	43.7	2.0	mg/kg	50.0	ND	87	75-125			
Silver	24.9	1.0	mg/kg	25.0	ND	100	75-125			
Thallium	46.8	10	mg/kg	50.0	0.70	92	75-125			
Vanadium	90.6	1.0	mg/kg	50.0	37	107	75-125			
Zinc	94.2	5.0	mg/kg	50.0	46	96	75-125			
Matrix Spike Dup Analyzed: 05/21/04 (4E20076-MSD1)					Source: INE0971-01					
Antimony	23.1	10	mg/kg	50.0	ND	46	75-125	0	20	M2
Arsenic	52.2	2.0	mg/kg	50.0	6.0	92	75-125	2	20	
Barium	112	1.0	mg/kg	50.0	58	108	75-125	1	20	
Beryllium	49.0	0.50	mg/kg	50.0	0.44	97	75-125	2	20	
Cadmium	46.8	0.50	mg/kg	50.0	0.33	93	75-125	2	20	
Chromium	70.0	1.0	mg/kg	50.0	21	98	75-125	1	20	
Cobalt	54.0	1.0	mg/kg	50.0	5.3	97	75-125	2	20	
Copper	60.1	2.0	mg/kg	50.0	9.1	102	75-125	1	20	
Lead	55.6	2.0	mg/kg	50.0	8.5	94	75-125	2	20	
Molybdenum	47.6	2.0	mg/kg	50.0	0.34	95	75-125	2	20	
Nickel	62.3	2.0	mg/kg	50.0	15	95	75-125	2	20	
Selenium	43.6	2.0	mg/kg	50.0	ND	87	75-125	0	20	
Silver	24.6	1.0	mg/kg	25.0	ND	98	75-125	1	20	
Thallium	46.5	10	mg/kg	50.0	0.70	92	75-125	1	20	
Vanadium	90.5	1.0	mg/kg	50.0	37	107	75-125	0	20	
Zinc	95.6	5.0	mg/kg	50.0	46	99	75-125	1	20	

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E20090 Extracted: 05/20/04										
Blank Analyzed: 05/21/04 (4E20090-BLK1)										
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							
LCS Analyzed: 05/21/04 (4E20090-BS1)										
Antimony	47.8	10	mg/kg	50.0		96	80-120			
Arsenic	47.5	2.0	mg/kg	50.0		95	80-120			
Barium	47.6	1.0	mg/kg	50.0		95	80-120			
Beryllium	47.0	0.50	mg/kg	50.0		94	80-120			
Cadmium	47.2	0.50	mg/kg	50.0		94	80-120			
Chromium	48.3	1.0	mg/kg	50.0		97	80-120			
Cobalt	46.5	1.0	mg/kg	50.0		93	80-120			
Copper	46.8	2.0	mg/kg	50.0		94	80-120			
Lead	48.9	2.0	mg/kg	50.0		98	80-120			
Molybdenum	47.0	2.0	mg/kg	50.0		94	80-120			
Nickel	47.4	2.0	mg/kg	50.0		95	80-120			
Selenium	45.8	2.0	mg/kg	50.0		92	80-120			
Silver	23.6	1.0	mg/kg	25.0		94	80-120			
Thallium	46.1	10	mg/kg	50.0		92	80-120			
Vanadium	46.8	1.0	mg/kg	50.0		94	80-120			
Zinc	46.8	5.0	mg/kg	50.0		94	80-120			

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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
Batch: 4E20090 Extracted: 05/20/04										
Matrix Spike Analyzed: 05/21/04 (4E20090-MS1)					Source: INE1119-04					
Antimony	18.3	10	mg/kg	50.0	ND	37	75-125			M2
Arsenic	50.6	2.0	mg/kg	50.0	3.9	93	75-125			
Barium	177	1.0	mg/kg	50.0	130	94	75-125			
Beryllium	46.7	0.50	mg/kg	50.0	0.36	93	75-125			
Cadmium	46.4	0.50	mg/kg	50.0	0.48	92	75-125			
Chromium	64.7	1.0	mg/kg	50.0	15	99	75-125			
Cobalt	50.0	1.0	mg/kg	50.0	4.4	91	75-125			
Copper	68.3	2.0	mg/kg	50.0	18	101	75-125			
Lead	53.1	2.0	mg/kg	50.0	6.8	93	75-125			
Molybdenum	44.6	2.0	mg/kg	50.0	1.0	87	75-125			
Nickel	63.0	2.0	mg/kg	50.0	16	94	75-125			
Selenium	44.6	2.0	mg/kg	50.0	ND	89	75-125			
Silver	23.4	1.0	mg/kg	25.0	ND	94	75-125			
Thallium	43.4	10	mg/kg	50.0	0.49	86	75-125			
Vanadium	79.6	1.0	mg/kg	50.0	25	109	75-125			
Zinc	93.0	5.0	mg/kg	50.0	45	96	75-125			
Matrix Spike Dup Analyzed: 05/21/04 (4E20090-MSD1)					Source: INE1119-04					
Antimony	19.0	10	mg/kg	50.0	ND	38	75-125	4	20	M2
Arsenic	47.7	2.0	mg/kg	50.0	3.9	88	75-125	6	20	
Barium	161	1.0	mg/kg	50.0	130	62	75-125	9	20	M2
Beryllium	46.2	0.50	mg/kg	50.0	0.36	92	75-125	1	20	
Cadmium	46.1	0.50	mg/kg	50.0	0.48	91	75-125	1	20	
Chromium	61.2	1.0	mg/kg	50.0	15	92	75-125	6	20	
Cobalt	47.0	1.0	mg/kg	50.0	4.4	85	75-125	6	20	
Copper	64.6	2.0	mg/kg	50.0	18	93	75-125	6	20	
Lead	50.3	2.0	mg/kg	50.0	6.8	87	75-125	5	20	
Molybdenum	42.3	2.0	mg/kg	50.0	1.0	83	75-125	5	20	
Nickel	62.3	2.0	mg/kg	50.0	16	93	75-125	1	20	
Selenium	41.7	2.0	mg/kg	50.0	ND	83	75-125	7	20	
Silver	23.1	1.0	mg/kg	25.0	ND	92	75-125	1	20	
Thallium	41.5	10	mg/kg	50.0	0.49	82	75-125	4	20	
Vanadium	77.6	1.0	mg/kg	50.0	25	105	75-125	3	20	
Zinc	90.0	5.0	mg/kg	50.0	45	90	75-125	3	20	

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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
Batch: 4E20115 Extracted: 05/20/04										
Blank Analyzed: 05/20/04 (4E20115-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 05/20/04 (4E20115-BS1)										
Mercury	0.831	0.020	mg/kg	0.800		104	85-120			
Matrix Spike Analyzed: 05/20/04 (4E20115-MS1)										
					Source: INE1253-02					
Mercury	0.849	0.020	mg/kg	0.800	0.0082	105	65-135			
Matrix Spike Dup Analyzed: 05/20/04 (4E20115-MSD1)										
					Source: INE1253-02					
Mercury	0.861	0.020	mg/kg	0.800	0.0082	107	65-135	1	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
Batch: 4F01072 Extracted: 06/01/04										
Blank Analyzed: 06/02/04 (4F01072-BLK1)										
Organic Lead	ND	25	ug/kg							
LCS Analyzed: 06/02/04 (4F01072-BS1)										
Organic Lead	108	25	ug/kg	100		108	80-120			
Matrix Spike Analyzed: 06/02/04 (4F01072-MS1)										
Organic Lead	271	120	ug/kg	100	260	11	80-120			M2
Matrix Spike Dup Analyzed: 06/02/04 (4F01072-MSD1)										
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	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E19094 Extracted: 05/19/04										
Blank Analyzed: 05/19/04 (4E19094-BLK1)										
Oil & Grease	ND	5.0	mg/kg							
LCS Analyzed: 05/19/04 (4E19094-BS1)										
Oil & Grease	17.3	5.0	mg/kg	20.0		86	55-130			
Matrix Spike Analyzed: 05/19/04 (4E19094-MS1)										
Oil & Grease	1520	50	mg/kg	20.0	1600	-400	35-130			M-HA
Matrix Spike Dup Analyzed: 05/19/04 (4E19094-MSD1)										
Oil & Grease	1450	50	mg/kg	20.0	1600	-750	35-130	5	25	M-HA
Batch: 4E20057 Extracted: 05/20/04										
Duplicate Analyzed: 05/20/04 (4E20057-DUP1)										
pH	8.63	NA	pH Units		8.60			0	5	
Batch: 4E24056 Extracted: 05/24/04										
Blank Analyzed: 05/24/04 (4E24056-BLK1)										
Chromium VI	ND	0.20	mg/kg							
LCS Analyzed: 05/24/04 (4E24056-BS1)										
Chromium VI	4.31	0.20	mg/kg	5.00		86	65-110			
Matrix Spike Analyzed: 05/24/04 (4E24056-MS1)										
Chromium VI	0.0144	0.20	mg/kg	5.00	ND	0	55-110			M2

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4E24056 Extracted: 05/24/04										
Matrix Spike Dup Analyzed: 05/24/04 (4E24056-MSD1)					Source: INE1120-03					
Chromium VI	0.0164	0.20	mg/kg	5.00	ND	0	55-110	13	20	M2

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METHOD BLANK/QC DATA
Polychlorinated Biphenyls (as Aroclors) by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 4E24018 Extracted: 05/24/04										
Blank Analyzed: 05/26/04 (4E24018-BLK1)										
PCB-1016	ND	20	ug/kg							C-06
PCB-1221	ND	80	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							
PCB-1268	ND	20	ug/kg							
Surrogate: Tetrachloro-m-xylene	18.9		ug/kg	16.7		113	23-151			
Surrogate: Decachlorobiphenyl	38.8		ug/kg	33.3		117	26-142			
LCS Analyzed: 05/26/04 (4E24018-BS1)										
PCB-1260	80.5	20	ug/kg	83.3		97	47-126			C-06
Surrogate: Tetrachloro-m-xylene	14.8		ug/kg	16.7		89	23-151			
Surrogate: Decachlorobiphenyl	31.0		ug/kg	33.3		93	26-142			
Matrix Spike Analyzed: 05/26/04 (4E24018-MS1)										
					Source: MNE0521-02					
PCB-1260	66.6	20	ug/kg	83.3	ND	80	47-126			C-06
Surrogate: Tetrachloro-m-xylene	13.9		ug/kg	16.7		83	23-151			
Surrogate: Decachlorobiphenyl	27.8		ug/kg	33.3		84	26-142			
Matrix Spike Dup Analyzed: 05/26/04 (4E24018-MSD1)										
					Source: MNE0521-02					
PCB-1260	63.8	20	ug/kg	83.3	ND	77	47-126	4	37	C-06
Surrogate: Tetrachloro-m-xylene	13.3		ug/kg	16.7		80	23-151			
Surrogate: Decachlorobiphenyl	26.2		ug/kg	33.3		79	26-142			

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GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

<u>Compound</u>	<u>Footnote</u>	<u>Calibration Check % Recovery</u>	<u>Lab Number</u>	<u>Batch</u>
4,4'-DDD	1	140	INE1120-02	4F10096
4,4'-DDD	1	140	INE1120-03	4F10096
4,4'-DDT	2	15	INE1120-02	4F10096
4,4'-DDT	2	15	INE1120-03	4F10096
Endosulfan sulfate	2	82	INE1120-02	4F10096
Endosulfan sulfate	2	82	INE1120-03	4F10096
Endrin	2	83	INE1120-02	4F10096
Endrin	2	83	INE1120-03	4F10096
Endrin ketone	2	44	INE1120-02	4F10096
Endrin ketone	2	44	INE1120-03	4F10096
Heptachlor	2	62	INE1120-02	4F10096
Heptachlor	2	62	INE1120-03	4F10096
Methoxychlor	2	21	INE1120-02	4F10096
Methoxychlor	2	21	INE1120-03	4F10096

Footnotes:

- 1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.
- 2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result

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DATA QUALIFIERS AND DEFINITIONS

- A-01** An MS/MSD was not reported with the batch because the unspiked source sample was not available. See LCS.
- A-01a** Sample and QCs are reported per client request. Unable to re-extract sample due to insufficient available sample volume.
- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- C-06** To reduce matrix interference, the sample extract has undergone TBA (sulfur) clean-up, method 3660B.
- C-1** Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
- C-2** Calibration Verification recovery was below the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
- 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).
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- R-05** The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-1** Reporting limit raised due to sample matrix effects.
- RL-2** Reporting limit raised due to high concentrations of hydrocarbons.
- RL-4** Reporting limit raised due to insufficient sample volume.
- 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.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ZX** Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For 1,2-Diphenylhydrazine:

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

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

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

Del Mar Analytical, Irvine
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: INE1120

Sampled: 05/18/04
 Received: 05/19/04

Certification Summary

Del Mar Analytical, Irvine

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

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.

Subcontracted Laboratories

Sequoia Analytical, Morgan Hill CA ELAP Cert #1210 and AZ DHS Licence #01117CA

885 Jarvis Drive - Morgan Hill, CA 95037

Method Performed: EPA 8082

Samples: INE1120-02, INE1120-03

Del Mar Analytical, Irvine
 Amanda Cordova
 Project Manager




Del Mar Analytical

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 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 HB, CA 92648		P.O. #: SBOZ02/31		ANALYSIS REQUIRED CAM 17 METALS		I A E 11.20	
Project Manager/Phone Number: Mike Reardon (714) 969-0800		Project: Asccon LF		8260			
Sampler: Gary Yoshitani		Phone Number: (714) 969-0800		418.1			
Fax Number: (714) 969-0820		See Project List		8270			
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	Special Instructions	
PNL-TP01 - Waste	soil	glass	2	5-18-04 0745	NONE	X	5 day TAT - this sample only
PNL-TP05 - Stockpile Soil	soil	glass	2	5-18-04 0730	NONE	X	
PNL-TP06 - Stockpile Soil	soil	glass	2	5-18-04 1345	NONE	X	

Relinquished By	Date/Time	Received By	Date/Time	Turnaround Time: (check)			
Rayen Caballero	5/19/04 9:15 AM	William Jones	5/19/04 9:15	Same Day	72 Hours	<input checked="" type="radio"/> 24 Hours <input type="radio"/> 48 hours <input type="radio"/> normal <input checked="" type="radio"/> Sample Integrity: (Check)	
Relinquished By	Date/Time	Received By	Date/Time	Intact <input checked="" type="checkbox"/> On Ice: 6°			
Mike Reardon	5-19-04 1130	Mike Reardon	5-19-04 11:30				

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