



LABORATORY REPORT

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

Project: SB0202/31

Sampled: 06/30/04
 Received: 06/30/04
 Revised: 10/15/04 11:39

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: Revised final report per client's request to correct Sample I.D.'s. This is all inclusive of all requested analyses.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
ING0001-01	PNL-F19-10.5	Soil
ING0001-02	PNL-F19-14	Soil
ING0001-03	PNL-F1-7.5 AND 9	Soil
ING0001-04	PNL-F1-8.5-EC	Soil
ING0001-05	PNL-F1-10.5, 12.5, 13.5	Soil
ING0001-06	PIT-F-SAMPLE	Soil
ING0001-07	PIT-F-BOTTOM	Soil

Reviewed By:

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04
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CORRECTIVE ACTION REPORT

Department: Extractions

Date: 07/12/2004

Method: EPA 8270C

Matrix: Soil

QC Batch:

Identification and Definition of Problem:

Samples were extracted using a modified CA LUFT "shake-out" procedure rather than using EPA 3545.

Determination of the Cause of the Problem:

Based on information provided by the client (samples are known to be high in sulfur) samples could not be extracted using EPA 3545 as they would cause contamination issues. Instead, the samples along with the QC were extracted just as a diesel soil would be (CA LUFT "shake-out" method) except the solvent used was a 1:1 MeCl₂/Acetone mix and the initial weight was reduced to 5 grams due to the matrix.

Corrective Action Taken:

This extraction modification was discussed with and approved by the client. Results obtained cannot be used for compliance purposes.

Quality Assurance Approval:

Dave Dawes

Date: 07/15/2004 09:45 AM

Del Mar Analytical, Irvine
Kathleen A. Robb
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: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	15	ND	1	7/6/2004	7/6/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	15	ND	1	7/6/2004	7/6/2004	
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	15	3700	1	7/6/2004	7/6/2004	
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	15	250	1	7/6/2004	7/6/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	30	3600	1	7/6/2004	7/6/2004	
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: mg/kg								
Total Recoverable Hydrocarbons	EPA 418.1	4G06081	30	2800	1	7/6/2004	7/6/2004	

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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: ING0001-01 (PNL-F19-10.5 - Soil)									
Reporting Units: mg/kg									
GRO (C6 - C12)	EPA 8015B MOD.	4G07039	15	ND	3	7/7/2004	7/9/2004		
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4G07039	15	69	3	7/7/2004	7/9/2004		
EFH (C6 - C40)	EPA 8015B MOD.	4G07039	15	76	3	7/7/2004	7/9/2004		
<i>Surrogate: n-Octacosane (45-125%)</i>				76 %					
Sample ID: ING0001-02 (PNL-F19-14 - Soil)									
Reporting Units: mg/kg									
GRO (C6 - C12)	EPA 8015B MOD.	4G07039	5.0	ND	1	7/7/2004	7/9/2004		
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4G07039	5.0	ND	1	7/7/2004	7/9/2004		
EFH (C6 - C40)	EPA 8015B MOD.	4G07039	5.0	ND	1	7/7/2004	7/9/2004		
<i>Surrogate: n-Octacosane (45-125%)</i>				69 %					
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)									
Reporting Units: mg/kg									
GRO (C6 - C12)	EPA 8015B MOD.	4G07039	400	410	80	7/7/2004	7/12/2004		
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4G07039	400	4100	80	7/7/2004	7/12/2004		
EFH (C6 - C40)	EPA 8015B MOD.	4G07039	400	4500	80	7/7/2004	7/12/2004		
<i>Surrogate: n-Octacosane (45-125%)</i>				65 %					Z3
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)									
Reporting Units: mg/kg									
GRO (C6 - C12)	EPA 8015B MOD.	4G07039	250	400	50	7/7/2004	7/12/2004		
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4G07039	250	3900	50	7/7/2004	7/12/2004		
EFH (C6 - C40)	EPA 8015B MOD.	4G07039	250	4300	50	7/7/2004	7/12/2004		
<i>Surrogate: n-Octacosane (45-125%)</i>				121 %					Z3
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)									
Reporting Units: mg/kg									
GRO (C6 - C12)	EPA 8015B MOD.	4G07039	2500	4500	500	7/7/2004	7/10/2004		
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4G07039	2500	64000	500	7/7/2004	7/10/2004		
EFH (C6 - C40)	EPA 8015B MOD.	4G07039	2500	69000	500	7/7/2004	7/10/2004		
<i>Surrogate: n-Octacosane (45-125%)</i>				1680 %					Z3
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)									
Reporting Units: mg/kg									
GRO (C6 - C12)	EPA 8015B MOD.	4G07039	2500	2900	500	7/7/2004	7/10/2004		
DRO/ORO (C13 - C40)	EPA 8015B MOD.	4G07039	2500	40000	500	7/7/2004	7/10/2004		
EFH (C6 - C40)	EPA 8015B MOD.	4G07039	2500	43000	500	7/7/2004	7/10/2004		
<i>Surrogate: n-Octacosane (45-125%)</i>				1620 %					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: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Bromobenzene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Bromochloromethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Bromodichloromethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Bromoform	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Bromomethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
n-Butylbenzene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
sec-Butylbenzene	EPA 8260B	4G08018	25	100	5	7/8/2004	7/8/2004	
tert-Butylbenzene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Carbon tetrachloride	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Chlorobenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Chloroethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Chloroform	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Chloromethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
2-Chlorotoluene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
4-Chlorotoluene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Dibromochloromethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Dibromomethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,2-Dichlorobenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,3-Dichlorobenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,4-Dichlorobenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Dichlorodifluoromethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
1,1-Dichloroethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,2-Dichloroethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,1-Dichloroethene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,2-Dichloropropane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,3-Dichloropropane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
2,2-Dichloropropane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,1-Dichloropropene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Ethylbenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Hexachlorobutadiene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
Isopropylbenzene	EPA 8260B	4G08018	10	420	5	7/8/2004	7/8/2004	
p-Isopropyltoluene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Methylene chloride	EPA 8260B	4G08018	100	ND	5	7/8/2004	7/8/2004	
Naphthalene	EPA 8260B	4G08018	25	69	5	7/8/2004	7/8/2004	

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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: ING0001-01 (PNL-F19-10.5 - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G08018	10	12	5	7/8/2004	7/8/2004	
Styrene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Tetrachloroethene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Toluene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
1,1,1-Trichloroethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,1,2-Trichloroethane	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Trichloroethene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Trichlorofluoromethane	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
1,2,3-Trichloropropane	EPA 8260B	4G08018	50	ND	5	7/8/2004	7/8/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
Vinyl chloride	EPA 8260B	4G08018	25	ND	5	7/8/2004	7/8/2004	
o-Xylene	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
m,p-Xylenes	EPA 8260B	4G08018	10	ND	5	7/8/2004	7/8/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				<i>100 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>107 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>105 %</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: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Bromobenzene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Bromochloromethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Bromodichloromethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Bromoform	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Bromomethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
n-Butylbenzene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
sec-Butylbenzene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
tert-Butylbenzene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Carbon tetrachloride	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Chlorobenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Chloroethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Chloroform	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Chloromethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
2-Chlorotoluene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
4-Chlorotoluene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Dibromochloromethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Dibromomethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Dichlorodifluoromethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
1,1-Dichloroethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,2-Dichloroethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,1-Dichloroethene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,2-Dichloropropane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,3-Dichloropropane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
2,2-Dichloropropane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,1-Dichloropropene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Ethylbenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Hexachlorobutadiene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
Isopropylbenzene	EPA 8260B	4G09004	2.0	8.4	1	7/9/2004	7/9/2004	
p-Isopropyltoluene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Methylene chloride	EPA 8260B	4G09004	20	ND	1	7/9/2004	7/9/2004	
Naphthalene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-02 (PNL-F19-14 - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Styrene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Tetrachloroethene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Toluene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
1,1,1-Trichloroethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,1,2-Trichloroethane	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Trichloroethene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Trichlorofluoromethane	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
1,2,3-Trichloropropane	EPA 8260B	4G09004	10	ND	1	7/9/2004	7/9/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
Vinyl chloride	EPA 8260B	4G09004	5.0	ND	1	7/9/2004	7/9/2004	
o-Xylene	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
m,p-Xylenes	EPA 8260B	4G09004	2.0	ND	1	7/9/2004	7/9/2004	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>				100 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				103 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				109 %				

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

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: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G07023	2500	11000	2500	7/7/2004	7/9/2004	
Bromobenzene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Bromochloromethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Bromodichloromethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Bromoform	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Bromomethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
n-Butylbenzene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
sec-Butylbenzene	EPA 8260B	4G07023	6200	65000	2500	7/7/2004	7/9/2004	
tert-Butylbenzene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Carbon tetrachloride	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Chlorobenzene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Chloroethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Chloroform	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Chloromethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
2-Chlorotoluene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
4-Chlorotoluene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Dibromochloromethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Dibromomethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Dichlorodifluoromethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
1,1-Dichloroethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,2-Dichloroethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,1-Dichloroethene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,2-Dichloropropane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,3-Dichloropropane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
2,2-Dichloropropane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,1-Dichloropropene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Ethylbenzene	EPA 8260B	4G07023	2500	180000	2500	7/7/2004	7/9/2004	
Hexachlorobutadiene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
Isopropylbenzene	EPA 8260B	4G07023	2500	88000	2500	7/7/2004	7/9/2004	
p-Isopropyltoluene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Methylene chloride	EPA 8260B	4G07023	25000	ND	2500	7/7/2004	7/9/2004	
Naphthalene	EPA 8260B	4G07023	6200	130000	2500	7/7/2004	7/9/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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 Huntington Beach, CA 92648
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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: ING0001-03 (PNL-F1-7.5 AND 9 - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G07023	2500	8800	2500	7/7/2004	7/9/2004	
Styrene	EPA 8260B	4G07023	2500	6900	2500	7/7/2004	7/9/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Tetrachloroethene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Toluene	EPA 8260B	4G07023	2500	10000	2500	7/7/2004	7/9/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
1,1,1-Trichloroethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,1,2-Trichloroethane	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Trichloroethene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Trichlorofluoromethane	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
1,2,3-Trichloropropane	EPA 8260B	4G07023	12000	ND	2500	7/7/2004	7/9/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
Vinyl chloride	EPA 8260B	4G07023	6200	ND	2500	7/7/2004	7/9/2004	
o-Xylene	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
m,p-Xylenes	EPA 8260B	4G07023	2500	ND	2500	7/7/2004	7/9/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				59 %				Z3
<i>Surrogate: Toluene-d8 (60-160%)</i>				60 %				Z3
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				58 %				Z3

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 Kathleen A. Robb
 Project Manager



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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: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G07023	200	1200	200	7/7/2004	7/9/2004	
Bromobenzene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Bromochloromethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Bromodichloromethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Bromoform	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Bromomethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
n-Butylbenzene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
sec-Butylbenzene	EPA 8260B	4G07023	500	7600	200	7/7/2004	7/9/2004	
tert-Butylbenzene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Carbon tetrachloride	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Chlorobenzene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Chloroethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Chloroform	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Chloromethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
2-Chlorotoluene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
4-Chlorotoluene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Dibromochloromethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Dibromomethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Dichlorodifluoromethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
1,1-Dichloroethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,2-Dichloroethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,1-Dichloroethene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,2-Dichloropropane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,3-Dichloropropane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
2,2-Dichloropropane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,1-Dichloropropene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Ethylbenzene	EPA 8260B	4G07023	200	18000	200	7/7/2004	7/9/2004	
Hexachlorobutadiene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
Isopropylbenzene	EPA 8260B	4G07023	200	900	200	7/7/2004	7/9/2004	
p-Isopropyltoluene	EPA 8260B	4G07023	200	210	200	7/7/2004	7/9/2004	
Methylene chloride	EPA 8260B	4G07023	2000	ND	200	7/7/2004	7/9/2004	
Naphthalene	EPA 8260B	4G07023	500	11000	200	7/7/2004	7/9/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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 Huntington Beach, CA 92648
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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: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G07023	200	1000	200	7/7/2004	7/9/2004	
Styrene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Tetrachloroethene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Toluene	EPA 8260B	4G07023	200	1100	200	7/7/2004	7/9/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
1,1,1-Trichloroethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,1,2-Trichloroethane	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Trichloroethene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Trichlorofluoromethane	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
1,2,3-Trichloropropane	EPA 8260B	4G07023	1000	ND	200	7/7/2004	7/9/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
Vinyl chloride	EPA 8260B	4G07023	500	ND	200	7/7/2004	7/9/2004	
o-Xylene	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
m,p-Xylenes	EPA 8260B	4G07023	200	ND	200	7/7/2004	7/9/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				95 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				100 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				104 %				

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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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: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Bromobenzene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Bromochloromethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Bromodichloromethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Bromoform	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Bromomethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
n-Butylbenzene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
sec-Butylbenzene	EPA 8260B	4G07023	2500	8600	1000	7/7/2004	7/8/2004	
tert-Butylbenzene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Carbon tetrachloride	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Chlorobenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Chloroethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Chloroform	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Chloromethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
2-Chlorotoluene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
4-Chlorotoluene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Dibromochloromethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Dibromomethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,2-Dichlorobenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,3-Dichlorobenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,4-Dichlorobenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Dichlorodifluoromethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
1,1-Dichloroethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,2-Dichloroethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,1-Dichloroethene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,2-Dichloropropane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,3-Dichloropropane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
2,2-Dichloropropane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,1-Dichloropropene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Ethylbenzene	EPA 8260B	4G07023	1000	2500	1000	7/7/2004	7/8/2004	
Hexachlorobutadiene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
Isopropylbenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
p-Isopropyltoluene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Methylene chloride	EPA 8260B	4G07023	10000	ND	1000	7/7/2004	7/8/2004	
Naphthalene	EPA 8260B	4G07023	2500	83000	1000	7/7/2004	7/8/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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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: ING0001-06 (PIT-F-SAMPLE - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Styrene	EPA 8260B	4G07023	1000	5200	1000	7/7/2004	7/8/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Tetrachloroethene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Toluene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
1,1,1-Trichloroethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,1,2-Trichloroethane	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Trichloroethene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Trichlorofluoromethane	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
1,2,3-Trichloropropane	EPA 8260B	4G07023	5000	ND	1000	7/7/2004	7/8/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
Vinyl chloride	EPA 8260B	4G07023	2500	ND	1000	7/7/2004	7/8/2004	
o-Xylene	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
m,p-Xylenes	EPA 8260B	4G07023	1000	ND	1000	7/7/2004	7/8/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				72 %				Z3
<i>Surrogate: Toluene-d8 (60-160%)</i>				65 %				Z3
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				62 %				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

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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: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Bromobenzene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Bromochloromethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Bromodichloromethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Bromoform	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Bromomethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
n-Butylbenzene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
sec-Butylbenzene	EPA 8260B	4G09012	5000	28000	2000	7/9/2004	7/10/2004	
tert-Butylbenzene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Carbon tetrachloride	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Chlorobenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Chloroethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Chloroform	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Chloromethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
2-Chlorotoluene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
4-Chlorotoluene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Dibromochloromethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Dibromomethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,2-Dichlorobenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,3-Dichlorobenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,4-Dichlorobenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Dichlorodifluoromethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
1,1-Dichloroethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,2-Dichloroethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,1-Dichloroethene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,2-Dichloropropane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,3-Dichloropropane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
2,2-Dichloropropane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,1-Dichloropropene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Ethylbenzene	EPA 8260B	4G09012	2000	2500	2000	7/9/2004	7/10/2004	
Hexachlorobutadiene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
Isopropylbenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
p-Isopropyltoluene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Methylene chloride	EPA 8260B	4G09012	20000	ND	2000	7/9/2004	7/10/2004	
Naphthalene	EPA 8260B	4G09012	5000	170000	2000	7/9/2004	7/10/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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

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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: ING0001-07 (PIT-F-BOTTOM - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Styrene	EPA 8260B	4G09012	2000	22000	2000	7/9/2004	7/10/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Tetrachloroethene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Toluene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
1,1,1-Trichloroethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
1,1,2-Trichloroethane	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Trichloroethene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Trichlorofluoromethane	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
1,2,3-Trichloropropane	EPA 8260B	4G09012	10000	ND	2000	7/9/2004	7/10/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G09012	2000	2500	2000	7/9/2004	7/10/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
Vinyl chloride	EPA 8260B	4G09012	5000	ND	2000	7/9/2004	7/10/2004	
o-Xylene	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
m,p-Xylenes	EPA 8260B	4G09012	2000	ND	2000	7/9/2004	7/10/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				81 %				
<i>Surrogate: Toluene-d8 (60-160%)</i>				90 %				
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				94 %				

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-04 (PNL-F1-8.5-EC - Soil)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	4G07012	1100	4800	1110	7/6/2004	7/7/2004	
Bromobenzene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Bromochloromethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Bromodichloromethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Bromoform	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Bromomethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
n-Butylbenzene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
sec-Butylbenzene	EPA 8260B	4G07012	2800	33000	1110	7/6/2004	7/7/2004	
tert-Butylbenzene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Carbon tetrachloride	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Chlorobenzene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Chloroethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Chloroform	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Chloromethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
2-Chlorotoluene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
4-Chlorotoluene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Dibromochloromethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Dibromomethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,2-Dichlorobenzene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,3-Dichlorobenzene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,4-Dichlorobenzene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Dichlorodifluoromethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
1,1-Dichloroethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,2-Dichloroethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,1-Dichloroethene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
cis-1,2-Dichloroethene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
trans-1,2-Dichloroethene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,2-Dichloropropane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,3-Dichloropropane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
2,2-Dichloropropane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,1-Dichloropropene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
cis-1,3-Dichloropropene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
trans-1,3-Dichloropropene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Ethylbenzene	EPA 8260B	4G07012	1100	94000	1110	7/6/2004	7/7/2004	
Hexachlorobutadiene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
Isopropylbenzene	EPA 8260B	4G07012	1100	34000	1110	7/6/2004	7/7/2004	
p-Isopropyltoluene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Methylene chloride	EPA 8260B	4G07012	11000	ND	1110	7/6/2004	7/7/2004	
Naphthalene	EPA 8260B	4G07012	2800	70000	1110	7/6/2004	7/7/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-04 (PNL-F1-8.5-EC - Soil) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	4G07012	1100	4100	1110	7/6/2004	7/7/2004	
Styrene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Tetrachloroethene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Toluene	EPA 8260B	4G07012	1100	4500	1110	7/6/2004	7/7/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
1,1,1-Trichloroethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
1,1,2-Trichloroethane	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Trichloroethene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Trichlorofluoromethane	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
1,2,3-Trichloropropane	EPA 8260B	4G07012	5600	ND	1110	7/6/2004	7/7/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4G07012	1100	1200	1110	7/6/2004	7/7/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
Vinyl chloride	EPA 8260B	4G07012	2800	ND	1110	7/6/2004	7/7/2004	
o-Xylene	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
m,p-Xylenes	EPA 8260B	4G07012	1100	ND	1110	7/6/2004	7/7/2004	
<i>Surrogate: Dibromofluoromethane (50-160%)</i>				<i>100 %</i>				<i>Z3</i>
<i>Surrogate: Toluene-d8 (60-160%)</i>				<i>106 %</i>				<i>Z3</i>
<i>Surrogate: 4-Bromofluorobenzene (60-150%)</i>				<i>123 %</i>				<i>Z3</i>

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: ug/kg								
1,3-butadiene	EPA 8260B	4G07023	310000	ND	2500	7/7/2004	7/9/2004	
Acrylonitrile	EPA 8260B	4G07023	310000	ND	2500	7/7/2004	7/9/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: ug/kg								
1,3-butadiene	EPA 8260B	4G07023	120000	ND	1000	7/7/2004	7/8/2004	
Acrylonitrile	EPA 8260B	4G07023	120000	ND	1000	7/7/2004	7/8/2004	
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: ug/kg								
1,3-butadiene	EPA 8260B	4G09012	250000	ND	2000	7/9/2004	7/10/2004	
Acrylonitrile	EPA 8260B	4G09012	250000	ND	2000	7/9/2004	7/10/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Acenaphthylene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Aniline	EPA 8270C	4G09084	17000000	ND	40000	7/9/2004	7/14/2004	
Anthracene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Benzidine	EPA 8270C	4G09084	26000000	ND	40000	7/9/2004	7/14/2004	
Benzoic acid	EPA 8270C	4G09084	33000000	ND	40000	7/9/2004	7/14/2004	
Benzo(a)anthracene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Benzo(b)fluoranthene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Benzo(k)fluoranthene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Benzo(a)pyrene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Benzyl alcohol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G09084	6800000	ND	40000	7/9/2004	7/14/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Butyl benzyl phthalate	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Chloroaniline	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2-Chloronaphthalene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2-Chlorophenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Chrysene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G09084	17000000	ND	40000	7/9/2004	7/14/2004	
Dibenzofuran	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Di-n-butyl phthalate	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
1,3-Dichlorobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
1,4-Dichlorobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
1,2-Dichlorobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G09084	33000000	ND	40000	7/9/2004	7/14/2004	
2,4-Dichlorophenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Diethyl phthalate	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2,4-Dimethylphenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Dimethyl phthalate	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G09084	17000000	ND	40000	7/9/2004	7/14/2004	
2,4-Dinitrophenol	EPA 8270C	4G09084	17000000	ND	40000	7/9/2004	7/14/2004	
2,4-Dinitrotoluene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2,6-Dinitrotoluene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Di-n-octyl phthalate	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Fluoranthene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon Project ID: SB0202/31
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648 Report Number: ING0001
 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Hexachlorobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Hexachlorobutadiene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G09084	33000000	ND	40000	7/9/2004	7/14/2004	
Hexachloroethane	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Isophorone	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2-Methylnaphthalene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2-Methylphenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Methylphenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Naphthalene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2-Nitroaniline	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
3-Nitroaniline	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Nitroaniline	EPA 8270C	4G09084	33000000	ND	40000	7/9/2004	7/14/2004	
Nitrobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2-Nitrophenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
4-Nitrophenol	EPA 8270C	4G09084	33000000	ND	40000	7/9/2004	7/14/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G09084	10000000	ND	40000	7/9/2004	7/14/2004	
Pentachlorophenol	EPA 8270C	4G09084	33000000	ND	40000	7/9/2004	7/14/2004	
Phenanthrene	EPA 8270C	4G09084	13000000	55000000	40000	7/9/2004	7/14/2004	
Phenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Pyrene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G09084	13000000	ND	40000	7/9/2004	7/14/2004	
Surrogate: 2-Fluorophenol (25-120%)				*				Z3
Surrogate: Phenol-d6 (30-120%)				*				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				*				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				*				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Acenaphthylene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Aniline	EPA 8270C	4G09084	4200000	ND	10000	7/9/2004	7/14/2004	
Anthracene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Benzidine	EPA 8270C	4G09084	6600000	ND	10000	7/9/2004	7/14/2004	
Benzoic acid	EPA 8270C	4G09084	8300000	ND	10000	7/9/2004	7/14/2004	
Benzo(a)anthracene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Benzo(b)fluoranthene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Benzo(k)fluoranthene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Benzo(a)pyrene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Benzyl alcohol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G09084	1700000	ND	10000	7/9/2004	7/14/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Butyl benzyl phthalate	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Chloroaniline	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2-Chloronaphthalene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2-Chlorophenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Chrysene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G09084	4200000	ND	10000	7/9/2004	7/14/2004	
Dibenzofuran	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Di-n-butyl phthalate	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
1,3-Dichlorobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
1,4-Dichlorobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
1,2-Dichlorobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G09084	8300000	ND	10000	7/9/2004	7/14/2004	
2,4-Dichlorophenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Diethyl phthalate	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2,4-Dimethylphenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Dimethyl phthalate	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G09084	4200000	ND	10000	7/9/2004	7/14/2004	
2,4-Dinitrophenol	EPA 8270C	4G09084	4200000	ND	10000	7/9/2004	7/14/2004	
2,4-Dinitrotoluene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2,6-Dinitrotoluene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Di-n-octyl phthalate	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Fluoranthene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Hexachlorobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Hexachlorobutadiene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G09084	8300000	ND	10000	7/9/2004	7/14/2004	
Hexachloroethane	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Isophorone	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2-Methylnaphthalene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2-Methylphenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Methylphenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Naphthalene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2-Nitroaniline	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
3-Nitroaniline	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Nitroaniline	EPA 8270C	4G09084	8300000	ND	10000	7/9/2004	7/14/2004	
Nitrobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2-Nitrophenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
4-Nitrophenol	EPA 8270C	4G09084	8300000	ND	10000	7/9/2004	7/14/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G09084	2500000	ND	10000	7/9/2004	7/14/2004	
Pentachlorophenol	EPA 8270C	4G09084	8300000	ND	10000	7/9/2004	7/14/2004	
Phenanthrene	EPA 8270C	4G09084	3300000	1200000	10000	7/9/2004	7/14/2004	
Phenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Pyrene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G09084	3300000	ND	10000	7/9/2004	7/14/2004	
Surrogate: 2-Fluorophenol (25-120%)				*				Z3
Surrogate: Phenol-d6 (30-120%)				*				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				*				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				*				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

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: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Acenaphthylene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Aniline	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/9/2004	
Anthracene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Benzidine	EPA 8270C	4G08041	660	ND	1	7/8/2004	7/9/2004	
Benzoic acid	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/9/2004	
Benzo(a)anthracene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Benzo(b)fluoranthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Benzo(k)fluoranthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Benzo(a)pyrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Benzyl alcohol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G08041	170	ND	1	7/8/2004	7/9/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Butyl benzyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Chloroaniline	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2-Chloronaphthalene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2-Chlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Chrysene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/9/2004	
Dibenzofuran	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Di-n-butyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/9/2004	
2,4-Dichlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Diethyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2,4-Dimethylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Dimethyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/9/2004	
2,4-Dinitrophenol	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/9/2004	
2,4-Dinitrotoluene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2,6-Dinitrotoluene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Di-n-octyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Fluoranthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager



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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

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: ING0001-01 (PNL-F19-10.5 - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Hexachlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Hexachlorobutadiene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/9/2004	
Hexachloroethane	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Isophorone	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2-Methylnaphthalene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2-Methylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Methylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Naphthalene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2-Nitroaniline	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
3-Nitroaniline	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Nitroaniline	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/9/2004	
Nitrobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2-Nitrophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
4-Nitrophenol	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/9/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G08041	250	ND	1	7/8/2004	7/9/2004	
Pentachlorophenol	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/9/2004	
Phenanthrene	EPA 8270C	4G08041	330	380	1	7/8/2004	7/9/2004	
Phenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
Pyrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/9/2004	
<i>Surrogate: 2-Fluorophenol (25-120%)</i>				49 %				
<i>Surrogate: Phenol-d6 (30-120%)</i>				52 %				
<i>Surrogate: 2,4,6-Tribromophenol (35-120%)</i>				76 %				
<i>Surrogate: Nitrobenzene-d5 (30-120%)</i>				59 %				
<i>Surrogate: 2-Fluorobiphenyl (35-120%)</i>				66 %				
<i>Surrogate: Terphenyl-d14 (35-155%)</i>				85 %				

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

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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: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Acenaphthylene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Aniline	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/13/2004	
Anthracene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Benzidine	EPA 8270C	4G08041	660	ND	1	7/8/2004	7/13/2004	
Benzoic acid	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/13/2004	
Benzo(a)anthracene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Benzo(b)fluoranthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Benzo(k)fluoranthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Benzo(a)pyrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Benzyl alcohol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G08041	170	ND	1	7/8/2004	7/13/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Butyl benzyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Chloroaniline	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2-Chloronaphthalene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2-Chlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Chrysene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/13/2004	
Dibenzofuran	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Di-n-butyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
1,3-Dichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
1,4-Dichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
1,2-Dichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/13/2004	
2,4-Dichlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Diethyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2,4-Dimethylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Dimethyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/13/2004	
2,4-Dinitrophenol	EPA 8270C	4G08041	420	ND	1	7/8/2004	7/13/2004	
2,4-Dinitrotoluene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2,6-Dinitrotoluene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Di-n-octyl phthalate	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Fluoranthene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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

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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: ING0001-02 (PNL-F19-14 - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Hexachlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Hexachlorobutadiene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/13/2004	
Hexachloroethane	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Isophorone	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2-Methylnaphthalene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2-Methylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Methylphenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Naphthalene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2-Nitroaniline	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
3-Nitroaniline	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Nitroaniline	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/13/2004	
Nitrobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2-Nitrophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
4-Nitrophenol	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/13/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G08041	250	ND	1	7/8/2004	7/13/2004	
Pentachlorophenol	EPA 8270C	4G08041	830	ND	1	7/8/2004	7/13/2004	
Phenanthrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Phenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Pyrene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G08041	330	ND	1	7/8/2004	7/13/2004	
Surrogate: 2-Fluorophenol (25-120%)				51 %				
Surrogate: Phenol-d6 (30-120%)				53 %				
Surrogate: 2,4,6-Tribromophenol (35-120%)				68 %				
Surrogate: Nitrobenzene-d5 (30-120%)				56 %				
Surrogate: 2-Fluorobiphenyl (35-120%)				53 %				
Surrogate: Terphenyl-d14 (35-155%)				76 %				

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

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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: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Acenaphthylene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Aniline	EPA 8270C	4G08041	31000	ND	75	7/8/2004	7/9/2004	
Anthracene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Benzidine	EPA 8270C	4G08041	50000	ND	75	7/8/2004	7/9/2004	
Benzoic acid	EPA 8270C	4G08041	62000	ND	75	7/8/2004	7/9/2004	
Benzo(a)anthracene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Benzo(b)fluoranthene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Benzo(k)fluoranthene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Benzo(a)pyrene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Benzyl alcohol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G08041	13000	ND	75	7/8/2004	7/9/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Butyl benzyl phthalate	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Chloroaniline	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2-Chloronaphthalene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2-Chlorophenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Chrysene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G08041	31000	ND	75	7/8/2004	7/9/2004	
Dibenzofuran	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Di-n-butyl phthalate	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
1,3-Dichlorobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
1,4-Dichlorobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
1,2-Dichlorobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G08041	62000	ND	75	7/8/2004	7/9/2004	
2,4-Dichlorophenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Diethyl phthalate	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2,4-Dimethylphenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Dimethyl phthalate	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G08041	31000	ND	75	7/8/2004	7/9/2004	
2,4-Dinitrophenol	EPA 8270C	4G08041	31000	ND	75	7/8/2004	7/9/2004	
2,4-Dinitrotoluene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2,6-Dinitrotoluene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Di-n-octyl phthalate	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Fluoranthene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

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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: ING0001-03 (PNL-F1-7.5 AND 9 - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Hexachlorobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Hexachlorobutadiene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G08041	62000	ND	75	7/8/2004	7/9/2004	
Hexachloroethane	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Isophorone	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2-Methylnaphthalene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2-Methylphenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Methylphenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Naphthalene	EPA 8270C	4G08041	25000	27000	75	7/8/2004	7/9/2004	
2-Nitroaniline	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
3-Nitroaniline	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Nitroaniline	EPA 8270C	4G08041	62000	ND	75	7/8/2004	7/9/2004	
Nitrobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2-Nitrophenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
4-Nitrophenol	EPA 8270C	4G08041	62000	ND	75	7/8/2004	7/9/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G08041	19000	ND	75	7/8/2004	7/9/2004	
Pentachlorophenol	EPA 8270C	4G08041	62000	ND	75	7/8/2004	7/9/2004	
Phenanthrene	EPA 8270C	4G08041	25000	380000	75	7/8/2004	7/9/2004	
Phenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Pyrene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G08041	25000	ND	75	7/8/2004	7/9/2004	
Surrogate: 2-Fluorophenol (25-120%)				33 %				Z3
Surrogate: Phenol-d6 (30-120%)				30 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				4 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				42 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				22 %				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

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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: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Acenaphthylene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Aniline	EPA 8270C	4G08041	10000	ND	25	7/8/2004	7/13/2004	
Anthracene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Benzidine	EPA 8270C	4G08041	16000	ND	25	7/8/2004	7/13/2004	
Benzoic acid	EPA 8270C	4G08041	21000	ND	25	7/8/2004	7/13/2004	
Benzo(a)anthracene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Benzo(b)fluoranthene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Benzo(k)fluoranthene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Benzo(g,h,i)perylene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Benzo(a)pyrene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Benzyl alcohol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Bis(2-chloroethoxy)methane	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Bis(2-chloroethyl)ether	EPA 8270C	4G08041	4200	ND	25	7/8/2004	7/13/2004	
Bis(2-chloroisopropyl)ether	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Bis(2-ethylhexyl)phthalate	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Bromophenyl phenyl ether	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Butyl benzyl phthalate	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Chloroaniline	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2-Chloronaphthalene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Chloro-3-methylphenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2-Chlorophenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Chlorophenyl phenyl ether	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Chrysene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Dibenz(a,h)anthracene	EPA 8270C	4G08041	10000	ND	25	7/8/2004	7/13/2004	
Dibenzofuran	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Di-n-butyl phthalate	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
1,3-Dichlorobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
1,4-Dichlorobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
1,2-Dichlorobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
3,3-Dichlorobenzidine	EPA 8270C	4G08041	21000	ND	25	7/8/2004	7/13/2004	
2,4-Dichlorophenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Diethyl phthalate	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2,4-Dimethylphenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Dimethyl phthalate	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4,6-Dinitro-2-methylphenol	EPA 8270C	4G08041	10000	ND	25	7/8/2004	7/13/2004	
2,4-Dinitrophenol	EPA 8270C	4G08041	10000	ND	25	7/8/2004	7/13/2004	
2,4-Dinitrotoluene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2,6-Dinitrotoluene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Di-n-octyl phthalate	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Fluoranthene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

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: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil) - cont.								
Reporting Units: ug/kg								
Fluorene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Hexachlorobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Hexachlorobutadiene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Hexachlorocyclopentadiene	EPA 8270C	4G08041	21000	ND	25	7/8/2004	7/13/2004	
Hexachloroethane	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Indeno(1,2,3-cd)pyrene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Isophorone	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2-Methylnaphthalene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2-Methylphenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Methylphenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Naphthalene	EPA 8270C	4G08041	8300	33000	25	7/8/2004	7/13/2004	
2-Nitroaniline	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
3-Nitroaniline	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Nitroaniline	EPA 8270C	4G08041	21000	ND	25	7/8/2004	7/13/2004	
Nitrobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2-Nitrophenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
4-Nitrophenol	EPA 8270C	4G08041	21000	ND	25	7/8/2004	7/13/2004	
N-Nitrosodiphenylamine	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
N-Nitroso-di-n-propylamine	EPA 8270C	4G08041	6200	ND	25	7/8/2004	7/13/2004	
Pentachlorophenol	EPA 8270C	4G08041	21000	ND	25	7/8/2004	7/13/2004	
Phenanthrene	EPA 8270C	4G08041	8300	140000	25	7/8/2004	7/13/2004	
Phenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Pyrene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
1,2,4-Trichlorobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2,4,5-Trichlorophenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
2,4,6-Trichlorophenol	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	4G08041	8300	ND	25	7/8/2004	7/13/2004	
Surrogate: 2-Fluorophenol (25-120%)				54 %				Z3
Surrogate: Phenol-d6 (30-120%)				51 %				Z3
Surrogate: 2,4,6-Tribromophenol (35-120%)				62 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				73 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (35-155%)				71 %				Z3

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 Kathleen A. Robb
 Project Manager

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 2100 Main Street, Suite 150
 Huntington Beach, CA 92648 Report Number: ING0001
 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
alpha-BHC	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
beta-BHC	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
delta-BHC	EPA 3545/8081A	4G06032	10	ND	1	7/6/2004	7/7/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Chlordane	EPA 3545/8081A	4G06032	50	ND	1	7/6/2004	7/7/2004	
4,4'-DDD	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	C-1
4,4'-DDE	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
4,4'-DDT	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	C-2
Dieldrin	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Endosulfan I	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Endosulfan II	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Endosulfan sulfate	EPA 3545/8081A	4G06032	10	ND	1	7/6/2004	7/7/2004	
Endrin	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Endrin aldehyde	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Endrin ketone	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Heptachlor	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Heptachlor epoxide	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Methoxychlor	EPA 3545/8081A	4G06032	5.0	ND	1	7/6/2004	7/7/2004	
Toxaphene	EPA 3545/8081A	4G06032	200	ND	1	7/6/2004	7/7/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				50 %				
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				83 %				

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 Kathleen A. Robb
 Project Manager

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 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
alpha-BHC	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
beta-BHC	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
delta-BHC	EPA 3545/8081A	4G06032	15	ND	1.5	7/6/2004	7/7/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Chlordane	EPA 3545/8081A	4G06032	75	ND	1.5	7/6/2004	7/7/2004	
4,4'-DDD	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	C-1
4,4'-DDE	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
4,4'-DDT	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	C-2
Dieldrin	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Endosulfan I	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Endosulfan II	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Endosulfan sulfate	EPA 3545/8081A	4G06032	15	ND	1.5	7/6/2004	7/7/2004	
Endrin	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Endrin aldehyde	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Endrin ketone	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Heptachlor	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Heptachlor epoxide	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Methoxychlor	EPA 3545/8081A	4G06032	7.5	ND	1.5	7/6/2004	7/7/2004	
Toxaphene	EPA 3545/8081A	4G06032	300	ND	1.5	7/6/2004	7/7/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				56 %				
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				73 %				

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 Kathleen A. Robb
 Project Manager

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 2100 Main Street, Suite 150
 Huntington Beach, CA 92648 Report Number: ING0001
 Attention: Mike Reardon

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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								RL-1
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4G06032	100	110	20	7/6/2004	7/8/2004	
alpha-BHC	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
beta-BHC	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
delta-BHC	EPA 3545/8081A	4G06032	200	ND	20	7/6/2004	7/8/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Chlordane	EPA 3545/8081A	4G06032	1000	ND	20	7/6/2004	7/8/2004	
4,4'-DDD	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	C-1
4,4'-DDE	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
4,4'-DDT	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	C-2
Dieldrin	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Endosulfan I	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Endosulfan II	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Endosulfan sulfate	EPA 3545/8081A	4G06032	200	ND	20	7/6/2004	7/8/2004	
Endrin	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Endrin aldehyde	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Endrin ketone	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Heptachlor	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Heptachlor epoxide	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Methoxychlor	EPA 3545/8081A	4G06032	100	ND	20	7/6/2004	7/8/2004	
Toxaphene	EPA 3545/8081A	4G06032	4000	ND	20	7/6/2004	7/8/2004	
Surrogate: Tetrachloro-m-xylene (35-115%)				48 %				Z3
Surrogate: Decachlorobiphenyl (45-120%)				4980 %				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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 2100 Main Street, Suite 150
 Huntington Beach, CA 92648 Report Number: ING0001
 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								RL-1
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
alpha-BHC	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
beta-BHC	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
delta-BHC	EPA 3545/8081A	4G06032	2500	ND	250	7/6/2004	7/8/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Chlordane	EPA 3545/8081A	4G06032	12000	ND	250	7/6/2004	7/8/2004	
4,4'-DDD	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
4,4'-DDE	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
4,4'-DDT	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Dieldrin	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Endosulfan I	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Endosulfan II	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Endosulfan sulfate	EPA 3545/8081A	4G06032	2500	ND	250	7/6/2004	7/8/2004	
Endrin	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Endrin aldehyde	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Endrin ketone	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Heptachlor	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Heptachlor epoxide	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Methoxychlor	EPA 3545/8081A	4G06032	1200	ND	250	7/6/2004	7/8/2004	
Toxaphene	EPA 3545/8081A	4G06032	50000	ND	250	7/6/2004	7/8/2004	
<i>Surrogate: Tetrachloro-m-xylene (35-115%)</i>				62 %				Z3
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				598 %				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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 2100 Main Street, Suite 150
 Huntington Beach, CA 92648 Report Number: ING0001
 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								RL-1
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
alpha-BHC	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
beta-BHC	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
delta-BHC	EPA 3545/8081A	4G06032	15000	ND	1500	7/6/2004	7/8/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Chlordane	EPA 3545/8081A	4G06032	75000	ND	1500	7/6/2004	7/8/2004	
4,4'-DDD	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	C-1
4,4'-DDE	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
4,4'-DDT	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	C-2
Dieldrin	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Endosulfan I	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Endosulfan II	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Endosulfan sulfate	EPA 3545/8081A	4G06032	15000	ND	1500	7/6/2004	7/8/2004	
Endrin	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Endrin aldehyde	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Endrin ketone	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Heptachlor	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Heptachlor epoxide	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Methoxychlor	EPA 3545/8081A	4G06032	7500	ND	1500	7/6/2004	7/8/2004	
Toxaphene	EPA 3545/8081A	4G06032	300000	ND	1500	7/6/2004	7/8/2004	
Surrogate: Tetrachloro-m-xylene (35-115%)				260 %				Z3
Surrogate: Decachlorobiphenyl (45-120%)				7260 %				Z3

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon Project ID: SB0202/31
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 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								RL-1
Reporting Units: ug/kg								
Aldrin	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
alpha-BHC	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
beta-BHC	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
delta-BHC	EPA 3545/8081A	4G06032	5000	ND	500	7/6/2004	7/8/2004	
gamma-BHC (Lindane)	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Chlordane	EPA 3545/8081A	4G06032	25000	ND	500	7/6/2004	7/8/2004	
4,4'-DDD	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	C-1
4,4'-DDE	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
4,4'-DDT	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	C-2
Dieldrin	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Endosulfan I	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Endosulfan II	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Endosulfan sulfate	EPA 3545/8081A	4G06032	5000	ND	500	7/6/2004	7/8/2004	
Endrin	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Endrin aldehyde	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Endrin ketone	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Heptachlor	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Heptachlor epoxide	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Methoxychlor	EPA 3545/8081A	4G06032	2500	ND	500	7/6/2004	7/8/2004	
Toxaphene	EPA 3545/8081A	4G06032	100000	ND	500	7/6/2004	7/8/2004	
Surrogate: Tetrachloro-m-xylene (35-115%)				348 %				Z3
Surrogate: Decachlorobiphenyl (45-120%)				6880 %				Z3

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 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon Project ID: SB0202/31
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648 Report Number: ING0001
 Attention: Mike Reardon

Sampled: 06/30/04
 Received: 06/30/04

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers	
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)									
Reporting Units: ug/kg									
Aroclor 1016	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Aroclor 1221	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Aroclor 1232	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Aroclor 1242	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Aroclor 1248	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Aroclor 1254	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Aroclor 1260	EPA 3545/8082	4G06032	50	ND	1	7/6/2004	7/8/2004		
Surrogate: Decachlorobiphenyl (45-120%)				77 %					
Sample ID: ING0001-02 (PNL-F19-14 - Soil)									
Reporting Units: ug/kg									
Aroclor 1016	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004	RL-1	
Aroclor 1221	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004		
Aroclor 1232	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004		
Aroclor 1242	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004		
Aroclor 1248	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004		
Aroclor 1254	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004		
Aroclor 1260	EPA 3545/8082	4G06032	75	ND	1.5	7/6/2004	7/8/2004		
Surrogate: Decachlorobiphenyl (45-120%)				80 %					
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)									
Reporting Units: ug/kg									
Aroclor 1016	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004	RL-1	
Aroclor 1221	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004		
Aroclor 1232	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004		
Aroclor 1242	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004		
Aroclor 1248	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004		
Aroclor 1254	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004		
Aroclor 1260	EPA 3545/8082	4G06032	1000	ND	20	7/6/2004	7/7/2004		
Surrogate: Decachlorobiphenyl (45-120%)				169 %					Z3

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 Kathleen A. Robb
 Project Manager

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POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								RL-1
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
Aroclor 1221	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
Aroclor 1232	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
Aroclor 1242	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
Aroclor 1248	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
Aroclor 1254	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
Aroclor 1260	EPA 3545/8082	4G06032	5000	ND	100	7/6/2004	7/7/2004	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				118 %				Z3
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								RL-1
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
Aroclor 1221	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
Aroclor 1232	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
Aroclor 1242	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
Aroclor 1248	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
Aroclor 1254	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
Aroclor 1260	EPA 3545/8082	4G06032	15000	ND	300	7/6/2004	7/7/2004	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				836 %				Z3
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								RL-1
Reporting Units: ug/kg								
Aroclor 1016	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
Aroclor 1221	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
Aroclor 1232	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
Aroclor 1242	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
Aroclor 1248	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
Aroclor 1254	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
Aroclor 1260	EPA 3545/8082	4G06032	10000	ND	200	7/6/2004	7/7/2004	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				571 %				Z3

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 Kathleen A. Robb
 Project Manager



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 Attention: Mike Reardon

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Arsenic	EPA 6010B	4G07088	2.0	2.8	1	7/7/2004	7/8/2004	
Barium	EPA 6010B	4G07088	1.0	18	1	7/7/2004	7/8/2004	
Beryllium	EPA 6010B	4G07088	0.50	ND	1	7/7/2004	7/8/2004	
Cadmium	EPA 6010B	4G07088	0.50	ND	1	7/7/2004	7/8/2004	
Chromium	EPA 6010B	4G07088	1.0	9.1	1	7/7/2004	7/8/2004	
Cobalt	EPA 6010B	4G07088	1.0	2.6	1	7/7/2004	7/8/2004	
Copper	EPA 6010B	4G07088	2.0	5.5	1	7/7/2004	7/8/2004	
Lead	EPA 6010B	4G07088	2.0	2.5	1	7/7/2004	7/8/2004	
Mercury	EPA 7471A	4G09083	0.020	ND	1	7/9/2004	7/9/2004	
Molybdenum	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Nickel	EPA 6010B	4G07088	2.0	4.8	1	7/7/2004	7/8/2004	
Selenium	EPA 6010B	4G07088	2.0	3.1	1	7/7/2004	7/8/2004	
Silver	EPA 6010B	4G07088	1.0	ND	1	7/7/2004	7/8/2004	
Thallium	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Vanadium	EPA 6010B	4G07088	1.0	16	1	7/7/2004	7/8/2004	
Zinc	EPA 6010B	4G07088	5.0	20	1	7/7/2004	7/8/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G07088	30	ND	3	7/7/2004	7/8/2004	RL-1
Arsenic	EPA 6010B	4G07088	6.0	ND	3	7/7/2004	7/8/2004	RL-1
Barium	EPA 6010B	4G07088	3.0	8.8	3	7/7/2004	7/8/2004	
Beryllium	EPA 6010B	4G07088	1.5	ND	3	7/7/2004	7/8/2004	RL-1
Cadmium	EPA 6010B	4G07088	1.5	ND	3	7/7/2004	7/8/2004	RL-1
Chromium	EPA 6010B	4G07088	3.0	ND	3	7/7/2004	7/8/2004	RL-1
Cobalt	EPA 6010B	4G07088	3.0	ND	3	7/7/2004	7/8/2004	RL-1
Copper	EPA 6010B	4G07088	6.0	ND	3	7/7/2004	7/8/2004	RL-1
Lead	EPA 6010B	4G07088	6.0	ND	3	7/7/2004	7/8/2004	RL-1
Mercury	EPA 7471A	4G09083	0.020	ND	1	7/9/2004	7/9/2004	
Molybdenum	EPA 6010B	4G07088	6.0	ND	3	7/7/2004	7/8/2004	RL-1
Nickel	EPA 6010B	4G07088	6.0	ND	3	7/7/2004	7/8/2004	RL-1
Selenium	EPA 6010B	4G07088	6.0	ND	3	7/7/2004	7/8/2004	RL-1
Silver	EPA 6010B	4G07088	3.0	ND	3	7/7/2004	7/8/2004	RL-1
Thallium	EPA 6010B	4G07088	30	ND	3	7/7/2004	7/8/2004	RL-1
Vanadium	EPA 6010B	4G07088	3.0	5.3	3	7/7/2004	7/8/2004	
Zinc	EPA 6010B	4G07088	15	ND	3	7/7/2004	7/8/2004	RL-1

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
 Attention: Mike Reardon

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Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Arsenic	EPA 6010B	4G07088	2.0	5.9	1	7/7/2004	7/8/2004	
Barium	EPA 6010B	4G07088	1.0	100	1	7/7/2004	7/8/2004	
Beryllium	EPA 6010B	4G07088	0.50	0.82	1	7/7/2004	7/8/2004	
Cadmium	EPA 6010B	4G07088	0.50	0.62	1	7/7/2004	7/8/2004	
Chromium	EPA 6010B	4G07088	1.0	28	1	7/7/2004	7/8/2004	
Cobalt	EPA 6010B	4G07088	1.0	9.3	1	7/7/2004	7/8/2004	
Copper	EPA 6010B	4G07088	2.0	32	1	7/7/2004	7/8/2004	
Lead	EPA 6010B	4G07088	2.0	8.5	1	7/7/2004	7/8/2004	
Mercury	EPA 7471A	4G09083	0.020	0.029	1	7/9/2004	7/9/2004	
Molybdenum	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Nickel	EPA 6010B	4G07088	2.0	16	1	7/7/2004	7/8/2004	
Selenium	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Silver	EPA 6010B	4G07088	1.0	ND	1	7/7/2004	7/8/2004	
Thallium	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Vanadium	EPA 6010B	4G07088	1.0	51	1	7/7/2004	7/8/2004	
Zinc	EPA 6010B	4G07088	5.0	65	1	7/7/2004	7/8/2004	

Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Arsenic	EPA 6010B	4G07088	2.0	2.7	1	7/7/2004	7/8/2004	
Barium	EPA 6010B	4G07088	1.0	31	1	7/7/2004	7/8/2004	
Beryllium	EPA 6010B	4G07088	0.50	ND	1	7/7/2004	7/8/2004	
Cadmium	EPA 6010B	4G07088	0.50	ND	1	7/7/2004	7/8/2004	
Chromium	EPA 6010B	4G07088	1.0	12	1	7/7/2004	7/8/2004	
Cobalt	EPA 6010B	4G07088	1.0	3.5	1	7/7/2004	7/8/2004	
Copper	EPA 6010B	4G07088	2.0	5.1	1	7/7/2004	7/8/2004	
Lead	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Mercury	EPA 7471A	4G09098	0.020	ND	1	7/9/2004	7/9/2004	
Molybdenum	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Nickel	EPA 6010B	4G07088	2.0	6.4	1	7/7/2004	7/8/2004	
Selenium	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Silver	EPA 6010B	4G07088	1.0	ND	1	7/7/2004	7/8/2004	
Thallium	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Vanadium	EPA 6010B	4G07088	1.0	19	1	7/7/2004	7/8/2004	
Zinc	EPA 6010B	4G07088	5.0	29	1	7/7/2004	7/8/2004	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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 Huntington Beach, CA 92648
 Attention: Mike Reardon

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Arsenic	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Barium	EPA 6010B	4G07088	1.0	5.0	1	7/7/2004	7/8/2004	
Beryllium	EPA 6010B	4G07088	0.50	ND	1	7/7/2004	7/8/2004	
Cadmium	EPA 6010B	4G07088	0.50	ND	1	7/7/2004	7/8/2004	
Chromium	EPA 6010B	4G07088	1.0	ND	1	7/7/2004	7/8/2004	
Cobalt	EPA 6010B	4G07088	1.0	ND	1	7/7/2004	7/8/2004	
Copper	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Lead	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Mercury	EPA 7471A	4G09098	0.020	ND	1	7/9/2004	7/9/2004	
Molybdenum	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Nickel	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Selenium	EPA 6010B	4G07088	2.0	ND	1	7/7/2004	7/8/2004	
Silver	EPA 6010B	4G07088	1.0	ND	1	7/7/2004	7/8/2004	
Thallium	EPA 6010B	4G07088	10	ND	1	7/7/2004	7/8/2004	
Vanadium	EPA 6010B	4G07088	1.0	1.0	1	7/7/2004	7/8/2004	
Zinc	EPA 6010B	4G07088	5.0	ND	1	7/7/2004	7/8/2004	

Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4G07088	20	ND	2	7/7/2004	7/8/2004	RL-1
Arsenic	EPA 6010B	4G07088	4.0	ND	2	7/7/2004	7/8/2004	RL-1
Barium	EPA 6010B	4G07088	2.0	73	2	7/7/2004	7/8/2004	
Beryllium	EPA 6010B	4G07088	1.0	ND	2	7/7/2004	7/8/2004	RL-1
Cadmium	EPA 6010B	4G07088	1.0	ND	2	7/7/2004	7/8/2004	RL-1
Chromium	EPA 6010B	4G07088	2.0	2.4	2	7/7/2004	7/8/2004	
Cobalt	EPA 6010B	4G07088	2.0	ND	2	7/7/2004	7/8/2004	RL-1
Copper	EPA 6010B	4G07088	4.0	12	2	7/7/2004	7/8/2004	
Lead	EPA 6010B	4G07088	4.0	7.0	2	7/7/2004	7/8/2004	
Mercury	EPA 7471A	4G09098	0.020	ND	1	7/9/2004	7/9/2004	
Molybdenum	EPA 6010B	4G07088	4.0	ND	2	7/7/2004	7/8/2004	RL-1
Nickel	EPA 6010B	4G07088	4.0	5.2	2	7/7/2004	7/8/2004	
Selenium	EPA 6010B	4G07088	4.0	ND	2	7/7/2004	7/8/2004	RL-1
Silver	EPA 6010B	4G07088	2.0	ND	2	7/7/2004	7/8/2004	RL-1
Thallium	EPA 6010B	4G07088	20	ND	2	7/7/2004	7/8/2004	RL-1
Vanadium	EPA 6010B	4G07088	2.0	7.0	2	7/7/2004	7/8/2004	
Zinc	EPA 6010B	4G07088	10	22	2	7/7/2004	7/8/2004	

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 Kathleen A. Robb
 Project Manager



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ORGANIC LEAD BY GFAA (HML 939-M)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4G08065	25	ND	1	7/8/2004	7/8/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4G08065	25	ND	1	7/8/2004	7/8/2004	
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4G08065	25	ND	1	7/8/2004	7/8/2004	
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4G08065	25	ND	1	7/8/2004	7/8/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4G08065	25	34	1	7/8/2004	7/8/2004	
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: ug/kg								
Organic Lead	HML 939-M	4G08065	25	44	1	7/8/2004	7/8/2004	

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 Project Manager

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	M2
Oil & Grease	EPA 413.2 MOD.	4G01074	15	ND	3	7/1/2004	7/1/2004	
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4G02047	NA	Not Ignitable	1	7/2/2004	7/2/2004	
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
Sample ID: ING0001-01 (PNL-F19-10.5 - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4G01047	NA	9.08	1	7/1/2004	7/1/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	
Oil & Grease	EPA 413.2 MOD.	4G01074	15	ND	3	7/1/2004	7/1/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4G02047	NA	Not Ignitable	1	7/2/2004	7/2/2004	
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
Sample ID: ING0001-02 (PNL-F19-14 - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4G01047	NA	8.03	1	7/1/2004	7/1/2004	
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	
Oil & Grease	EPA 413.2 MOD.	4G01074	15	2600	3	7/1/2004	7/1/2004	
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4G02047	NA	Not Ignitable	1	7/2/2004	7/2/2004	

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 Kathleen A. Robb
 Project Manager

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

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: N/A								
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
Sample ID: ING0001-03 (PNL-F1-7.5 AND 9 - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4G01047	NA	8.05	1	7/1/2004	7/1/2004	
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	
Oil & Grease	EPA 413.2 MOD.	4G01074	15	990	3	7/1/2004	7/1/2004	
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4G02048	NA	Not Ignitable	1	7/2/2004	7/2/2004	
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
Sample ID: ING0001-05 (PNL-F1-10.5, 12.5, 13.5 - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4G01047	NA	7.61	1	7/1/2004	7/1/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	
Oil & Grease	EPA 413.2 MOD.	4G01074	15	3200	3	7/1/2004	7/1/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4G02048	NA	Ignitable	1	7/2/2004	7/2/2004	SB
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
Sample ID: ING0001-06 (PIT-F-SAMPLE - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4G01047	NA	7.29	5	7/1/2004	7/1/2004	
Sample ID: ING0001-06RE1 (PIT-F-SAMPLE - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	0.25	1	7/6/2004	7/9/2004	A-01

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 Project Manager



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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	4G06080	0.20	ND	1	7/6/2004	7/7/2004	
Oil & Grease	EPA 413.2 MOD.	4G01074	30	9800	6	7/1/2004	7/1/2004	
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: ml								
Paint Filter Liquids Test	SW-846 9095A	4G07082	NA	Not Present	1	7/7/2004	7/7/2004	
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: N/A								
Ignitability	SW846 7.1.2	4G02048	NA	Ignitable	1	7/2/2004	7/2/2004	SB
Reactivity with water	SW846 7.3.2.1	4G12055	1.0	ND	1	7/12/2004	7/12/2004	
Sample ID: ING0001-07 (PIT-F-BOTTOM - Soil)								
Reporting Units: pH Units								
pH	EPA 9045C	4G01047	NA	8.16	5	7/1/2004	7/1/2004	

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 Kathleen A. Robb
 Project Manager



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 Huntington Beach, CA 92648
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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-F19-10.5 (ING0001-01) - Soil					
EPA 9045C	1	06/30/2004 09:25	06/30/2004 17:45	07/01/2004 14:00	07/01/2004 15:00
Sample ID: PNL-F19-14 (ING0001-02) - Soil					
EPA 9045C	1	06/30/2004 09:35	06/30/2004 17:45	07/01/2004 14:00	07/01/2004 15:00
Sample ID: PNL-F1-7.5 AND 9 (ING0001-03) - Soil					
EPA 9045C	1	06/30/2004 10:55	06/30/2004 17:45	07/01/2004 14:00	07/01/2004 15:00
Sample ID: PNL-F1-10.5, 12.5, 13.5 (ING0001-05) - Soil					
EPA 9045C	1	06/30/2004 11:37	06/30/2004 17:45	07/01/2004 14:00	07/01/2004 15:00
Sample ID: PIT-F-SAMPLE (ING0001-06) - Soil					
EPA 9045C	1	06/30/2004 09:25	06/30/2004 17:45	07/01/2004 14:00	07/01/2004 15:00
Sample ID: PIT-F-BOTTOM (ING0001-07) - Soil					
EPA 9045C	1	06/30/2004 09:25	06/30/2004 17:45	07/01/2004 14:00	07/01/2004 15:00

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 Kathleen A. Robb
 Project Manager



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

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 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
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EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07039 Extracted: 07/07/04										
Blank Analyzed: 07/09/04 (4G07039-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	3.24		mg/kg	6.67		49	45-125			
LCS Analyzed: 07/09/04 (4G07039-BS1)										
EFH (C6 - C40)	28.9	5.0	mg/kg	33.3		87	45-115			
Surrogate: n-Octacosane	4.43		mg/kg	6.67		66	45-125			
Matrix Spike Analyzed: 07/10/04 (4G07039-MS1)										
					Source: ING0134-01					
EFH (C6 - C40)	55.5	5.0	mg/kg	33.3	26	89	35-125			
Surrogate: n-Octacosane	4.11		mg/kg	6.67		62	45-125			
Matrix Spike Dup Analyzed: 07/10/04 (4G07039-MSD1)										
					Source: ING0134-01					
EFH (C6 - C40)	52.1	5.0	mg/kg	33.3	26	78	35-125	6	30	
Surrogate: n-Octacosane	3.83		mg/kg	6.67		57	45-125			

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 Kathleen A. Robb
 Project Manager



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

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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: 4G07023 Extracted: 07/07/04										
Blank Analyzed: 07/07/04 (4G07023-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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 Kathleen A. Robb
 Project Manager



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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: 4G07023 Extracted: 07/07/04										
Blank Analyzed: 07/07/04 (4G07023-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	2570		ug/kg	2500		103	50-160			
Surrogate: Toluene-d8	2680		ug/kg	2500		107	60-160			
Surrogate: 4-Bromofluorobenzene	2660		ug/kg	2500		106	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	RPD RPD	RPD RPD	Data Qualifiers
Batch: 4G07023 Extracted: 07/07/04									
LCS Analyzed: 07/08/04 (4G07023-BS1)									
Benzene	2450	100	ug/kg	2500		98	75-125		
Bromobenzene	2580	250	ug/kg	2500		103	80-120		
Bromochloromethane	2580	250	ug/kg	2500		103	65-140		
Bromodichloromethane	2580	100	ug/kg	2500		103	70-140		
Bromoform	2570	250	ug/kg	2500		103	60-130		
Bromomethane	1720	250	ug/kg	2500		69	35-140		
n-Butylbenzene	2560	250	ug/kg	2500		102	80-130		
sec-Butylbenzene	2550	250	ug/kg	2500		102	75-125		
tert-Butylbenzene	2580	250	ug/kg	2500		103	80-125		
Carbon tetrachloride	2660	250	ug/kg	2500		106	70-140		
Chlorobenzene	2640	100	ug/kg	2500		106	80-125		
Chloroethane	1720	250	ug/kg	2500		69	40-145		
Chloroform	2540	100	ug/kg	2500		102	75-130		
Chloromethane	1690	250	ug/kg	2500		68	30-145		
2-Chlorotoluene	2520	250	ug/kg	2500		101	75-125		
4-Chlorotoluene	2540	250	ug/kg	2500		102	80-125		
Dibromochloromethane	2540	100	ug/kg	2500		102	65-145		
1,2-Dibromo-3-chloropropane	2050	250	ug/kg	2500		82	45-135		
1,2-Dibromoethane (EDB)	2570	100	ug/kg	2500		103	75-130		
Dibromomethane	2510	100	ug/kg	2500		100	75-135		
1,2-Dichlorobenzene	2490	100	ug/kg	2500		100	80-120		
1,3-Dichlorobenzene	2470	100	ug/kg	2500		99	80-120		
1,4-Dichlorobenzene	2460	100	ug/kg	2500		98	80-120		
Dichlorodifluoromethane	1390	250	ug/kg	2500		56	10-160		
1,1-Dichloroethane	2450	100	ug/kg	2500		98	70-135		
1,2-Dichloroethane	2500	100	ug/kg	2500		100	60-150		
1,1-Dichloroethene	2720	250	ug/kg	2500		109	80-145		
cis-1,2-Dichloroethene	2610	100	ug/kg	2500		104	70-135		
trans-1,2-Dichloroethene	2740	100	ug/kg	2500		110	70-135		
1,2-Dichloropropane	2440	100	ug/kg	2500		98	75-125		
1,3-Dichloropropane	2480	100	ug/kg	2500		99	75-130		
2,2-Dichloropropane	2590	100	ug/kg	2500		104	70-150		
1,1-Dichloropropene	2500	100	ug/kg	2500		100	75-130		
cis-1,3-Dichloropropene	2410	100	ug/kg	2500		96	75-130		
trans-1,3-Dichloropropene	2370	100	ug/kg	2500		95	75-135		

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 Project Manager



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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: 4G07023 Extracted: 07/07/04										
LCS Analyzed: 07/08/04 (4G07023-BS1)										
Ethylbenzene	2700	100	ug/kg	2500		108	80-120			
Hexachlorobutadiene	2580	250	ug/kg	2500		103	75-140			
Isopropylbenzene	2620	100	ug/kg	2500		105	75-125			
p-Isopropyltoluene	2540	100	ug/kg	2500		102	80-125			
Methylene chloride	2750	1000	ug/kg	2500		110	60-145			
Naphthalene	2400	250	ug/kg	2500		96	50-145			
n-Propylbenzene	2560	100	ug/kg	2500		102	75-130			
Styrene	2800	100	ug/kg	2500		112	80-135			
1,1,1,2-Tetrachloroethane	2700	250	ug/kg	2500		108	70-145			
1,1,2,2-Tetrachloroethane	2690	100	ug/kg	2500		108	60-135			
Tetrachloroethene	2670	100	ug/kg	2500		107	80-125			
Toluene	2560	100	ug/kg	2500		102	80-125			
1,2,3-Trichlorobenzene	2480	250	ug/kg	2500		99	65-135			
1,2,4-Trichlorobenzene	2490	250	ug/kg	2500		100	70-140			
1,1,1-Trichloroethane	2530	100	ug/kg	2500		101	75-140			
1,1,2-Trichloroethane	2450	100	ug/kg	2500		98	70-130			
Trichloroethene	2590	100	ug/kg	2500		104	80-130			
Trichlorofluoromethane	2560	250	ug/kg	2500		102	55-145			
1,2,3-Trichloropropane	2330	500	ug/kg	2500		93	60-130			
1,2,4-Trimethylbenzene	2600	100	ug/kg	2500		104	80-125			
1,3,5-Trimethylbenzene	2650	100	ug/kg	2500		106	80-125			
Vinyl chloride	1120	250	ug/kg	2500		45	10-120			
o-Xylene	2630	100	ug/kg	2500		105	80-125			
m,p-Xylenes	5300	100	ug/kg	5000		106	80-120			
Surrogate: Dibromofluoromethane	2510		ug/kg	2500		100	50-160			
Surrogate: Toluene-d8	2670		ug/kg	2500		107	60-160			
Surrogate: 4-Bromofluorobenzene	2760		ug/kg	2500		110	60-150			

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 Kathleen A. Robb
 Project Manager



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 4G07023 Extracted: 07/07/04										
LCS Dup Analyzed: 07/08/04 (4G07023-BSD1)										
Benzene	2490	100	ug/kg	2500	100	75-125	2	20		
Bromobenzene	2620	250	ug/kg	2500	105	80-120	2	20		
Bromochloromethane	2580	250	ug/kg	2500	103	65-140	0	20		
Bromodichloromethane	2570	100	ug/kg	2500	103	70-140	0	20		
Bromoform	2640	250	ug/kg	2500	106	60-130	3	25		
Bromomethane	1830	250	ug/kg	2500	73	35-140	6	30		
n-Butylbenzene	2660	250	ug/kg	2500	106	80-130	4	20		
sec-Butylbenzene	2700	250	ug/kg	2500	108	75-125	6	20		
tert-Butylbenzene	2840	250	ug/kg	2500	114	80-125	10	20		
Carbon tetrachloride	2550	250	ug/kg	2500	102	70-140	4	20		
Chlorobenzene	2450	100	ug/kg	2500	98	80-125	7	20		
Chloroethane	1840	250	ug/kg	2500	74	40-145	7	25		
Chloroform	2450	100	ug/kg	2500	98	75-130	4	20		
Chloromethane	1880	250	ug/kg	2500	75	30-145	11	25		
2-Chlorotoluene	2670	250	ug/kg	2500	107	75-125	6	20		
4-Chlorotoluene	2710	250	ug/kg	2500	108	80-125	6	20		
Dibromochloromethane	2500	100	ug/kg	2500	100	65-145	2	20		
1,2-Dibromo-3-chloropropane	2830	250	ug/kg	2500	113	45-135	32	25		R-7
1,2-Dibromoethane (EDB)	2660	100	ug/kg	2500	106	75-130	3	20		
Dibromomethane	2600	100	ug/kg	2500	104	75-135	4	20		
1,2-Dichlorobenzene	2560	100	ug/kg	2500	102	80-120	3	20		
1,3-Dichlorobenzene	2500	100	ug/kg	2500	100	80-120	1	20		
1,4-Dichlorobenzene	2420	100	ug/kg	2500	97	80-120	2	20		
Dichlorodifluoromethane	1500	250	ug/kg	2500	60	10-160	8	30		
1,1-Dichloroethane	2470	100	ug/kg	2500	99	70-135	1	20		
1,2-Dichloroethane	2670	100	ug/kg	2500	107	60-150	7	25		
1,1-Dichloroethene	2500	250	ug/kg	2500	100	80-145	8	20		
cis-1,2-Dichloroethene	2500	100	ug/kg	2500	100	70-135	4	20		
trans-1,2-Dichloroethene	2580	100	ug/kg	2500	103	70-135	6	20		
1,2-Dichloropropane	2580	100	ug/kg	2500	103	75-125	6	20		
1,3-Dichloropropane	2540	100	ug/kg	2500	102	75-130	2	20		
2,2-Dichloropropane	2060	100	ug/kg	2500	82	70-150	23	20		R-7
1,1-Dichloropropene	2740	100	ug/kg	2500	110	75-130	9	20		
cis-1,3-Dichloropropene	2790	100	ug/kg	2500	112	75-130	15	20		
trans-1,3-Dichloropropene	2850	100	ug/kg	2500	114	75-135	18	20		

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
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 Huntington Beach, CA 92648
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 Received: 06/30/04

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: 4G07023 Extracted: 07/07/04										
LCS Dup Analyzed: 07/08/04 (4G07023-BSD1)										
Ethylbenzene	2720	100	ug/kg	2500		109	80-120	1	20	
Hexachlorobutadiene	2400	250	ug/kg	2500		96	75-140	7	20	
Isopropylbenzene	2920	100	ug/kg	2500		117	75-125	11	20	
p-Isopropyltoluene	2550	100	ug/kg	2500		102	80-125	0	20	
Methylene chloride	2360	1000	ug/kg	2500		94	60-145	15	20	
Naphthalene	2630	250	ug/kg	2500		105	50-145	9	25	
n-Propylbenzene	2830	100	ug/kg	2500		113	75-130	10	20	
Styrene	2650	100	ug/kg	2500		106	80-135	6	20	
1,1,1,2-Tetrachloroethane	2570	250	ug/kg	2500		103	70-145	5	20	
1,1,2,2-Tetrachloroethane	2800	100	ug/kg	2500		112	60-135	4	25	
Tetrachloroethene	2600	100	ug/kg	2500		104	80-125	3	20	
Toluene	2550	100	ug/kg	2500		102	80-125	0	20	
1,2,3-Trichlorobenzene	2530	250	ug/kg	2500		101	65-135	2	20	
1,2,4-Trichlorobenzene	2590	250	ug/kg	2500		104	70-140	4	20	
1,1,1-Trichloroethane	2420	100	ug/kg	2500		97	75-140	4	20	
1,1,2-Trichloroethane	2600	100	ug/kg	2500		104	70-130	6	20	
Trichloroethene	2540	100	ug/kg	2500		102	80-130	2	20	
Trichlorofluoromethane	2120	250	ug/kg	2500		85	55-145	19	25	
1,2,3-Trichloropropane	2620	500	ug/kg	2500		105	60-130	12	20	
1,2,4-Trimethylbenzene	2760	100	ug/kg	2500		110	80-125	6	20	
1,3,5-Trimethylbenzene	2800	100	ug/kg	2500		112	80-125	6	20	
Vinyl chloride	540	250	ug/kg	2500		22	10-120	70	30	R-7
o-Xylene	2620	100	ug/kg	2500		105	80-125	0	20	
m,p-Xylenes	5340	100	ug/kg	5000		107	80-120	1	20	
Surrogate: Dibromofluoromethane	2220		ug/kg	2500		89	50-160			
Surrogate: Toluene-d8	2450		ug/kg	2500		98	60-160			
Surrogate: 4-Bromofluorobenzene	2430		ug/kg	2500		97	60-150			

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 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: 4G07023 Extracted: 07/07/04										
Matrix Spike Analyzed: 07/08/04 (4G07023-MS1)					Source: INF1719-08					
Benzene	2510	100	ug/kg	2500	ND	100	60-140			
Bromobenzene	2640	250	ug/kg	2500	ND	106	65-130			
Bromochloromethane	2590	250	ug/kg	2500	ND	104	60-145			
Bromodichloromethane	2650	100	ug/kg	2500	ND	106	65-150			
Bromoform	2510	250	ug/kg	2500	ND	100	55-150			
Bromomethane	1910	250	ug/kg	2500	ND	76	30-160			
n-Butylbenzene	2730	250	ug/kg	2500	ND	109	60-150			
sec-Butylbenzene	2770	250	ug/kg	2500	ND	111	65-145			
tert-Butylbenzene	2910	250	ug/kg	2500	ND	116	60-150			
Carbon tetrachloride	2660	250	ug/kg	2500	ND	106	70-140			
Chlorobenzene	2500	100	ug/kg	2500	ND	100	70-140			
Chloroethane	1980	250	ug/kg	2500	ND	79	30-170			
Chloroform	2560	100	ug/kg	2500	ND	102	60-140			
Chloromethane	1830	250	ug/kg	2500	ND	73	30-160			
2-Chlorotoluene	2710	250	ug/kg	2500	ND	108	60-140			
4-Chlorotoluene	2770	250	ug/kg	2500	ND	111	70-135			
Dibromochloromethane	2520	100	ug/kg	2500	ND	101	60-150			
1,2-Dibromo-3-chloropropane	2490	250	ug/kg	2500	ND	100	40-150			
1,2-Dibromoethane (EDB)	2580	100	ug/kg	2500	ND	103	65-140			
Dibromomethane	2530	100	ug/kg	2500	ND	101	65-140			
1,2-Dichlorobenzene	2610	100	ug/kg	2500	ND	104	70-130			
1,3-Dichlorobenzene	2540	100	ug/kg	2500	ND	102	60-155			
1,4-Dichlorobenzene	2490	100	ug/kg	2500	ND	100	55-150			
Dichlorodifluoromethane	1460	250	ug/kg	2500	ND	58	10-160			
1,1-Dichloroethane	2540	100	ug/kg	2500	ND	102	60-155			
1,2-Dichloroethane	2680	100	ug/kg	2500	ND	107	55-150			
1,1-Dichloroethene	2450	250	ug/kg	2500	ND	98	60-165			
cis-1,2-Dichloroethene	2540	100	ug/kg	2500	ND	102	60-135			
trans-1,2-Dichloroethene	2610	100	ug/kg	2500	ND	104	50-155			
1,2-Dichloropropane	2610	100	ug/kg	2500	ND	104	65-135			
1,3-Dichloropropane	2520	100	ug/kg	2500	ND	101	65-135			
2,2-Dichloropropane	2260	100	ug/kg	2500	ND	90	60-150			
1,1-Dichloropropene	2810	100	ug/kg	2500	ND	112	60-140			
cis-1,3-Dichloropropene	2830	100	ug/kg	2500	ND	113	60-135			
trans-1,3-Dichloropropene	2860	100	ug/kg	2500	ND	114	55-155			

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 Kathleen A. Robb
 Project Manager

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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: 4G07023 Extracted: 07/07/04										
Matrix Spike Analyzed: 07/08/04 (4G07023-MS1)					Source: INF1719-08					
Ethylbenzene	2810	100	ug/kg	2500	ND	112	60-140			
Hexachlorobutadiene	2580	250	ug/kg	2500	ND	103	65-145			
Isopropylbenzene	2980	100	ug/kg	2500	ND	119	60-140			
p-Isopropyltoluene	2630	100	ug/kg	2500	ND	105	60-145			
Methylene chloride	2360	1000	ug/kg	2500	ND	94	50-155			
Naphthalene	2420	250	ug/kg	2500	ND	97	30-165			
n-Propylbenzene	2900	100	ug/kg	2500	ND	116	60-145			
Styrene	2710	100	ug/kg	2500	ND	108	60-145			
1,1,1,2-Tetrachloroethane	2650	250	ug/kg	2500	ND	106	65-145			
1,1,2,2-Tetrachloroethane	2560	100	ug/kg	2500	ND	102	60-150			
Tetrachloroethene	2640	100	ug/kg	2500	ND	106	65-145			
Toluene	2620	100	ug/kg	2500	ND	105	60-145			
1,2,3-Trichlorobenzene	2480	250	ug/kg	2500	ND	99	45-145			
1,2,4-Trichlorobenzene	2560	250	ug/kg	2500	ND	102	60-140			
1,1,1-Trichloroethane	2550	100	ug/kg	2500	ND	102	65-140			
1,1,2-Trichloroethane	2500	100	ug/kg	2500	ND	100	60-140			
Trichloroethene	2610	100	ug/kg	2500	ND	104	70-150			
Trichlorofluoromethane	2170	250	ug/kg	2500	ND	87	35-165			
1,2,3-Trichloropropane	2430	500	ug/kg	2500	ND	97	50-150			
1,2,4-Trimethylbenzene	2820	100	ug/kg	2500	ND	113	70-135			
1,3,5-Trimethylbenzene	2860	100	ug/kg	2500	ND	114	70-135			
Vinyl chloride	569	250	ug/kg	2500	ND	23	10-120			
o-Xylene	2690	100	ug/kg	2500	ND	108	60-145			
m,p-Xylenes	5470	100	ug/kg	5000	ND	109	60-140			
Surrogate: Dibromofluoromethane	2320		ug/kg	2500		93	50-160			
Surrogate: Toluene-d8	2520		ug/kg	2500		101	60-160			
Surrogate: 4-Bromofluorobenzene	2500		ug/kg	2500		100	60-150			

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 Kathleen A. Robb
 Project Manager



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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: 4G07023 Extracted: 07/07/04										
Matrix Spike Dup Analyzed: 07/08/04 (4G07023-MSD1)					Source: INF1719-08					
Benzene	2520	100	ug/kg	2500	ND	101	60-140	0	25	
Bromobenzene	2650	250	ug/kg	2500	ND	106	65-130	0	25	
Bromochloromethane	2530	250	ug/kg	2500	ND	101	60-145	2	25	
Bromodichloromethane	2630	100	ug/kg	2500	ND	105	65-150	1	25	
Bromoform	2530	250	ug/kg	2500	ND	101	55-150	1	30	
Bromomethane	1940	250	ug/kg	2500	ND	78	30-160	2	30	
n-Butylbenzene	2780	250	ug/kg	2500	ND	111	60-150	2	25	
sec-Butylbenzene	2780	250	ug/kg	2500	ND	111	65-145	0	25	
tert-Butylbenzene	2890	250	ug/kg	2500	ND	116	60-150	1	20	
Carbon tetrachloride	2640	250	ug/kg	2500	ND	106	70-140	1	20	
Chlorobenzene	2480	100	ug/kg	2500	ND	99	70-140	1	25	
Chloroethane	1980	250	ug/kg	2500	ND	79	30-170	0	35	
Chloroform	2500	100	ug/kg	2500	ND	100	60-140	2	25	
Chloromethane	1850	250	ug/kg	2500	ND	74	30-160	1	30	
2-Chlorotoluene	2720	250	ug/kg	2500	ND	109	60-140	0	25	
4-Chlorotoluene	2760	250	ug/kg	2500	ND	110	70-135	0	20	
Dibromochloromethane	2490	100	ug/kg	2500	ND	100	60-150	1	25	
1,2-Dibromo-3-chloropropane	2550	250	ug/kg	2500	ND	102	40-150	2	30	
1,2-Dibromoethane (EDB)	2570	100	ug/kg	2500	ND	103	65-140	0	25	
Dibromomethane	2570	100	ug/kg	2500	ND	103	65-140	2	20	
1,2-Dichlorobenzene	2630	100	ug/kg	2500	ND	105	70-130	1	20	
1,3-Dichlorobenzene	2570	100	ug/kg	2500	ND	103	60-155	1	25	
1,4-Dichlorobenzene	2510	100	ug/kg	2500	ND	100	55-150	1	25	
Dichlorodifluoromethane	1460	250	ug/kg	2500	ND	58	10-160	0	35	
1,1-Dichloroethane	2500	100	ug/kg	2500	ND	100	60-155	2	25	
1,2-Dichloroethane	2670	100	ug/kg	2500	ND	107	55-150	0	30	
1,1-Dichloroethene	2450	250	ug/kg	2500	ND	98	60-165	0	25	
cis-1,2-Dichloroethene	2500	100	ug/kg	2500	ND	100	60-135	2	25	
trans-1,2-Dichloroethene	2580	100	ug/kg	2500	ND	103	50-155	1	25	
1,2-Dichloropropane	2650	100	ug/kg	2500	ND	106	65-135	2	20	
1,3-Dichloropropane	2520	100	ug/kg	2500	ND	101	65-135	0	20	
2,2-Dichloropropane	2120	100	ug/kg	2500	ND	85	60-150	6	20	
1,1-Dichloropropene	2810	100	ug/kg	2500	ND	112	60-140	0	20	
cis-1,3-Dichloropropene	2800	100	ug/kg	2500	ND	112	60-135	1	25	
trans-1,3-Dichloropropene	2840	100	ug/kg	2500	ND	114	55-155	1	25	

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 Kathleen A. Robb
 Project Manager



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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: 4G07023 Extracted: 07/07/04										
Matrix Spike Dup Analyzed: 07/08/04 (4G07023-MSD1)					Source: INF1719-08					
Ethylbenzene	2770	100	ug/kg	2500	ND	111	60-140	1	25	
Hexachlorobutadiene	2600	250	ug/kg	2500	ND	104	65-145	1	25	
Isopropylbenzene	2980	100	ug/kg	2500	ND	119	60-140	0	25	
p-Isopropyltoluene	2640	100	ug/kg	2500	ND	106	60-145	0	25	
Methylene chloride	2340	1000	ug/kg	2500	ND	94	50-155	1	25	
Naphthalene	2530	250	ug/kg	2500	ND	101	30-165	4	30	
n-Propylbenzene	2900	100	ug/kg	2500	ND	116	60-145	0	25	
Styrene	2700	100	ug/kg	2500	ND	108	60-145	0	20	
1,1,1,2-Tetrachloroethane	2610	250	ug/kg	2500	ND	104	65-145	2	20	
1,1,2,2-Tetrachloroethane	2490	100	ug/kg	2500	ND	100	60-150	3	20	
Tetrachloroethene	2660	100	ug/kg	2500	ND	106	65-145	1	25	
Toluene	2620	100	ug/kg	2500	ND	105	60-145	0	25	
1,2,3-Trichlorobenzene	2600	250	ug/kg	2500	ND	104	45-145	5	30	
1,2,4-Trichlorobenzene	2660	250	ug/kg	2500	ND	106	60-140	4	25	
1,1,1-Trichloroethane	2490	100	ug/kg	2500	ND	100	65-140	2	25	
1,1,2-Trichloroethane	2520	100	ug/kg	2500	ND	101	60-140	1	20	
Trichloroethene	2700	100	ug/kg	2500	ND	108	70-150	3	25	
Trichlorofluoromethane	2190	250	ug/kg	2500	ND	88	35-165	1	30	
1,2,3-Trichloropropane	2460	500	ug/kg	2500	ND	98	50-150	1	20	
1,2,4-Trimethylbenzene	2820	100	ug/kg	2500	ND	113	70-135	0	20	
1,3,5-Trimethylbenzene	2860	100	ug/kg	2500	ND	114	70-135	0	25	
Vinyl chloride	563	250	ug/kg	2500	ND	23	10-120	1	35	
o-Xylene	2660	100	ug/kg	2500	ND	106	60-145	1	25	
m,p-Xylenes	5400	100	ug/kg	5000	ND	108	60-140	1	25	
Surrogate: Dibromofluoromethane	2250		ug/kg	2500		90	50-160			
Surrogate: Toluene-d8	2530		ug/kg	2500		101	60-160			
Surrogate: 4-Bromofluorobenzene	2470		ug/kg	2500		99	60-150			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G08018 Extracted: 07/08/04										
Blank Analyzed: 07/08/04 (4G08018-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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 Kathleen A. Robb
 Project Manager



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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: 4G08018 Extracted: 07/08/04										
Blank Analyzed: 07/08/04 (4G08018-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	50.7		ug/kg	50.0		101	80-125			
Surrogate: Toluene-d8	53.7		ug/kg	50.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	54.0		ug/kg	50.0		108	80-120			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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 Huntington Beach, CA 92648
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Report Number: ING0001

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 Received: 06/30/04

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G08018 Extracted: 07/08/04										
LCS Analyzed: 07/08/04 (4G08018-BS1)										
Benzene	47.9	2.0	ug/kg	50.0		96	70-120			
Bromobenzene	49.7	5.0	ug/kg	50.0		99	80-120			
Bromochloromethane	50.2	5.0	ug/kg	50.0		100	65-135			
Bromodichloromethane	58.1	2.0	ug/kg	50.0		116	70-140			
Bromoform	58.9	5.0	ug/kg	50.0		118	60-140			
Bromomethane	56.3	5.0	ug/kg	50.0		113	60-140			
n-Butylbenzene	48.4	5.0	ug/kg	50.0		97	75-130			
sec-Butylbenzene	47.0	5.0	ug/kg	50.0		94	75-125			
tert-Butylbenzene	48.3	5.0	ug/kg	50.0		97	80-125			
Carbon tetrachloride	57.0	5.0	ug/kg	50.0		114	70-140			
Chlorobenzene	48.4	2.0	ug/kg	50.0		97	80-125			
Chloroethane	58.2	5.0	ug/kg	50.0		116	55-145			
Chloroform	52.1	2.0	ug/kg	50.0		104	75-120			
Chloromethane	57.6	5.0	ug/kg	50.0		115	35-145			
2-Chlorotoluene	46.0	5.0	ug/kg	50.0		92	75-125			
4-Chlorotoluene	48.1	5.0	ug/kg	50.0		96	80-125			
Dibromochloromethane	56.5	2.0	ug/kg	50.0		113	65-145			
1,2-Dibromo-3-chloropropane	55.0	5.0	ug/kg	50.0		110	50-150			
1,2-Dibromoethane (EDB)	55.5	2.0	ug/kg	50.0		111	70-130			
Dibromomethane	55.2	2.0	ug/kg	50.0		110	70-130			
1,2-Dichlorobenzene	47.7	2.0	ug/kg	50.0		95	80-125			
1,3-Dichlorobenzene	46.2	2.0	ug/kg	50.0		92	80-120			
1,4-Dichlorobenzene	47.2	2.0	ug/kg	50.0		94	80-120			
Dichlorodifluoromethane	78.4	5.0	ug/kg	50.0		157	10-160			
1,1-Dichloroethane	50.8	2.0	ug/kg	50.0		102	70-135			
1,2-Dichloroethane	61.3	2.0	ug/kg	50.0		123	60-150			
1,1-Dichloroethene	47.3	5.0	ug/kg	50.0		95	75-130			
cis-1,2-Dichloroethene	45.5	2.0	ug/kg	50.0		91	70-125			
trans-1,2-Dichloroethene	47.8	2.0	ug/kg	50.0		96	70-130			
1,2-Dichloropropane	50.1	2.0	ug/kg	50.0		100	70-120			
1,3-Dichloropropane	54.0	2.0	ug/kg	50.0		108	70-130			
2,2-Dichloropropane	57.9	2.0	ug/kg	50.0		116	70-150			
1,1-Dichloropropene	53.8	2.0	ug/kg	50.0		108	75-130			
cis-1,3-Dichloropropene	55.7	2.0	ug/kg	50.0		111	75-130			
trans-1,3-Dichloropropene	60.2	2.0	ug/kg	50.0		120	70-135			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G08018 Extracted: 07/08/04										
LCS Analyzed: 07/08/04 (4G08018-BS1)										
Ethylbenzene	51.8	2.0	ug/kg	50.0		104	75-125			
Hexachlorobutadiene	49.0	5.0	ug/kg	50.0		98	75-140			
Isopropylbenzene	48.4	2.0	ug/kg	50.0		97	75-125			
p-Isopropyltoluene	47.7	2.0	ug/kg	50.0		95	75-125			
Methylene chloride	46.8	20	ug/kg	50.0		94	60-135			
Naphthalene	60.5	5.0	ug/kg	50.0		121	50-145			
n-Propylbenzene	48.4	2.0	ug/kg	50.0		97	75-130			
Styrene	55.2	2.0	ug/kg	50.0		110	80-135			
1,1,1,2-Tetrachloroethane	53.9	5.0	ug/kg	50.0		108	70-145			
1,1,2,2-Tetrachloroethane	49.7	2.0	ug/kg	50.0		99	55-145			
Tetrachloroethene	52.9	2.0	ug/kg	50.0		106	80-125			
Toluene	50.7	2.0	ug/kg	50.0		101	75-120			
1,2,3-Trichlorobenzene	56.2	5.0	ug/kg	50.0		112	65-135			
1,2,4-Trichlorobenzene	54.5	5.0	ug/kg	50.0		109	70-140			
1,1,1-Trichloroethane	54.1	2.0	ug/kg	50.0		108	75-140			
1,1,2-Trichloroethane	54.3	2.0	ug/kg	50.0		109	65-130			
Trichloroethene	53.8	2.0	ug/kg	50.0		108	75-125			
Trichlorofluoromethane	48.3	5.0	ug/kg	50.0		97	50-145			
1,2,3-Trichloropropane	54.2	10	ug/kg	50.0		108	55-140			
1,2,4-Trimethylbenzene	49.4	2.0	ug/kg	50.0		99	75-125			
1,3,5-Trimethylbenzene	49.6	2.0	ug/kg	50.0		99	80-125			
Vinyl chloride	63.4	5.0	ug/kg	50.0		127	45-130			
o-Xylene	48.1	2.0	ug/kg	50.0		96	75-125			
m,p-Xylenes	99.9	2.0	ug/kg	100		100	75-125			
Surrogate: Dibromofluoromethane	49.9		ug/kg	50.0		100	80-125			
Surrogate: Toluene-d8	55.0		ug/kg	50.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	54.7		ug/kg	50.0		109	80-120			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 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: 4G08018 Extracted: 07/08/04										
Matrix Spike Analyzed: 07/08/04 (4G08018-MS1)					Source: INF1814-07					
Benzene	51.5	2.0	ug/kg	50.0	ND	103	65-130			
Bromobenzene	86.0	5.0	ug/kg	50.0	ND	172	70-130			I, MI
Bromochloromethane	51.5	5.0	ug/kg	50.0	ND	103	60-145			
Bromodichloromethane	56.7	2.0	ug/kg	50.0	ND	113	70-145			
Bromoform	53.4	5.0	ug/kg	50.0	ND	107	60-145			
Bromomethane	62.4	5.0	ug/kg	50.0	ND	125	50-150			
n-Butylbenzene	39.2	5.0	ug/kg	50.0	ND	78	60-140			I
sec-Butylbenzene	52.6	5.0	ug/kg	50.0	ND	105	65-135			I
tert-Butylbenzene	69.1	5.0	ug/kg	50.0	ND	138	70-130			I, MI
Carbon tetrachloride	58.8	5.0	ug/kg	50.0	ND	118	70-140			
Chlorobenzene	54.0	2.0	ug/kg	50.0	ND	108	80-130			
Chloroethane	63.8	5.0	ug/kg	50.0	ND	128	50-150			
Chloroform	57.6	2.0	ug/kg	50.0	ND	115	70-130			
Chloromethane	65.3	5.0	ug/kg	50.0	ND	131	30-150			
2-Chlorotoluene	75.5	5.0	ug/kg	50.0	ND	151	70-130			I, MI
4-Chlorotoluene	76.0	5.0	ug/kg	50.0	ND	152	65-135			I, MI
Dibromochloromethane	60.2	2.0	ug/kg	50.0	ND	120	65-145			
1,2-Dibromo-3-chloropropane	72.4	5.0	ug/kg	50.0	ND	145	50-150			I
1,2-Dibromoethane (EDB)	57.9	2.0	ug/kg	50.0	ND	116	65-135			
Dibromomethane	51.3	2.0	ug/kg	50.0	ND	103	65-135			
1,2-Dichlorobenzene	53.0	2.0	ug/kg	50.0	ND	106	75-130			I
1,3-Dichlorobenzene	57.2	2.0	ug/kg	50.0	ND	114	70-125			I
1,4-Dichlorobenzene	58.7	2.0	ug/kg	50.0	ND	117	75-130			I
Dichlorodifluoromethane	88.4	5.0	ug/kg	50.0	ND	177	10-200			
1,1-Dichloroethane	56.7	2.0	ug/kg	50.0	ND	113	70-135			
1,2-Dichloroethane	61.7	2.0	ug/kg	50.0	ND	123	60-150			
1,1-Dichloroethene	52.7	5.0	ug/kg	50.0	ND	105	75-140			
cis-1,2-Dichloroethene	50.4	2.0	ug/kg	50.0	ND	101	60-135			
trans-1,2-Dichloroethene	53.6	2.0	ug/kg	50.0	ND	107	65-135			
1,2-Dichloropropane	51.2	2.0	ug/kg	50.0	ND	102	65-125			
1,3-Dichloropropane	60.6	2.0	ug/kg	50.0	ND	121	65-135			
2,2-Dichloropropane	67.0	2.0	ug/kg	50.0	ND	134	60-150			
1,1-Dichloropropene	55.7	2.0	ug/kg	50.0	ND	111	60-140			
cis-1,3-Dichloropropene	53.5	2.0	ug/kg	50.0	ND	107	65-135			
trans-1,3-Dichloropropene	53.2	2.0	ug/kg	50.0	ND	106	65-140			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G08018 Extracted: 07/08/04										
Matrix Spike Analyzed: 07/08/04 (4G08018-MS1)					Source: INF1814-07					
Ethylbenzene	56.8	2.0	ug/kg	50.0	1.7	110	70-130			
Hexachlorobutadiene	17.6	5.0	ug/kg	50.0	ND	35	65-145			I, M2
Isopropylbenzene	84.2	2.0	ug/kg	50.0	ND	168	60-135			I, M1
p-Isopropyltoluene	52.8	2.0	ug/kg	50.0	ND	106	60-135			I
Methylene chloride	52.9	20	ug/kg	50.0	ND	106	60-145			
Naphthalene	39.9	5.0	ug/kg	50.0	ND	80	40-160			I
n-Propylbenzene	71.4	2.0	ug/kg	50.0	ND	143	60-140			M1, I
Styrene	54.8	2.0	ug/kg	50.0	0.76	108	70-145			
1,1,1,2-Tetrachloroethane	60.1	5.0	ug/kg	50.0	ND	120	65-145			
1,1,2,2-Tetrachloroethane	82.1	2.0	ug/kg	50.0	ND	164	55-150			I, M1
Tetrachloroethene	59.1	2.0	ug/kg	50.0	1.9	114	70-130			
Toluene	56.4	2.0	ug/kg	50.0	7.1	99	70-125			
1,2,3-Trichlorobenzene	19.4	5.0	ug/kg	50.0	ND	39	60-135			M2, I
1,2,4-Trichlorobenzene	22.6	5.0	ug/kg	50.0	ND	45	65-140			I, M2
1,1,1-Trichloroethane	58.9	2.0	ug/kg	50.0	ND	118	65-140			
1,1,2-Trichloroethane	47.4	2.0	ug/kg	50.0	ND	95	60-140			
Trichloroethene	56.0	2.0	ug/kg	50.0	ND	112	70-140			
Trichlorofluoromethane	53.6	5.0	ug/kg	50.0	ND	107	40-160			
1,2,3-Trichloropropane	95.3	10	ug/kg	50.0	ND	191	55-140			I, M1
1,2,4-Trimethylbenzene	70.0	2.0	ug/kg	50.0	0.88	138	65-130			I, M1
1,3,5-Trimethylbenzene	73.4	2.0	ug/kg	50.0	ND	147	70-130			I, M1
Vinyl chloride	68.3	5.0	ug/kg	50.0	ND	137	45-130			M1
o-Xylene	51.3	2.0	ug/kg	50.0	1.5	100	70-125			
m,p-Xylenes	107	2.0	ug/kg	100	4.8	102	70-125			
Surrogate: Dibromofluoromethane	52.5		ug/kg	50.0		105	80-125			
Surrogate: Toluene-d8	52.4		ug/kg	50.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	41.8		ug/kg	50.0		84	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: 4G08018 Extracted: 07/08/04										
Matrix Spike Dup Analyzed: 07/08/04 (4G08018-MSD1)					Source: INF1814-07					
Benzene	49.3	2.0	ug/kg	50.0	ND	99	65-130	4	20	
Bromobenzene	78.2	5.0	ug/kg	50.0	ND	156	70-130	10	20	MI, I
Bromochloromethane	49.5	5.0	ug/kg	50.0	ND	99	60-145	4	25	
Bromodichloromethane	54.1	2.0	ug/kg	50.0	ND	108	70-145	5	20	
Bromoform	47.0	5.0	ug/kg	50.0	ND	94	60-145	13	25	
Bromomethane	60.4	5.0	ug/kg	50.0	ND	121	50-150	3	25	
n-Butylbenzene	33.9	5.0	ug/kg	50.0	ND	68	60-140	15	25	I
sec-Butylbenzene	46.4	5.0	ug/kg	50.0	ND	93	65-135	13	20	I
tert-Butylbenzene	60.9	5.0	ug/kg	50.0	ND	122	70-130	13	20	I
Carbon tetrachloride	55.8	5.0	ug/kg	50.0	ND	112	70-140	5	20	
Chlorobenzene	50.5	2.0	ug/kg	50.0	ND	101	80-130	7	20	
Chloroethane	62.2	5.0	ug/kg	50.0	ND	124	50-150	3	30	
Chloroform	55.4	2.0	ug/kg	50.0	ND	111	70-130	4	20	
Chloromethane	61.8	5.0	ug/kg	50.0	ND	124	30-150	6	30	
2-Chlorotoluene	69.8	5.0	ug/kg	50.0	ND	140	70-130	8	20	MI, I
4-Chlorotoluene	69.4	5.0	ug/kg	50.0	ND	139	65-135	9	20	MI, I
Dibromochloromethane	54.8	2.0	ug/kg	50.0	ND	110	65-145	9	25	
1,2-Dibromo-3-chloropropane	63.3	5.0	ug/kg	50.0	ND	127	50-150	13	30	I
1,2-Dibromoethane (EDB)	52.5	2.0	ug/kg	50.0	ND	105	65-135	10	20	
Dibromomethane	47.5	2.0	ug/kg	50.0	ND	95	65-135	8	20	
1,2-Dichlorobenzene	47.4	2.0	ug/kg	50.0	ND	95	75-130	11	20	I
1,3-Dichlorobenzene	50.5	2.0	ug/kg	50.0	ND	101	70-125	12	20	I
1,4-Dichlorobenzene	52.0	2.0	ug/kg	50.0	ND	104	75-130	12	20	I
Dichlorodifluoromethane	83.8	5.0	ug/kg	50.0	ND	168	10-200	5	35	
1,1-Dichloroethane	54.4	2.0	ug/kg	50.0	ND	109	70-135	4	20	
1,2-Dichloroethane	57.5	2.0	ug/kg	50.0	ND	115	60-150	7	25	
1,1-Dichloroethene	50.6	5.0	ug/kg	50.0	ND	101	75-140	4	20	
cis-1,2-Dichloroethene	48.8	2.0	ug/kg	50.0	ND	98	60-135	3	20	
trans-1,2-Dichloroethene	51.1	2.0	ug/kg	50.0	ND	102	65-135	5	20	
1,2-Dichloropropane	48.8	2.0	ug/kg	50.0	ND	98	65-125	5	20	
1,3-Dichloropropane	55.2	2.0	ug/kg	50.0	ND	110	65-135	9	20	
2,2-Dichloropropane	66.9	2.0	ug/kg	50.0	ND	134	60-150	0	20	
1,1-Dichloropropene	53.3	2.0	ug/kg	50.0	ND	107	60-140	4	20	
cis-1,3-Dichloropropene	49.8	2.0	ug/kg	50.0	ND	100	65-135	7	20	
trans-1,3-Dichloropropene	49.4	2.0	ug/kg	50.0	ND	99	65-140	7	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: 4G08018 Extracted: 07/08/04										
Matrix Spike Dup Analyzed: 07/08/04 (4G08018-MSD1)					Source: INF1814-07					
Ethylbenzene	52.2	2.0	ug/kg	50.0	1.7	101	70-130	8	20	
Hexachlorobutadiene	15.1	5.0	ug/kg	50.0	ND	30	65-145	15	20	M2, I
Isopropylbenzene	75.1	2.0	ug/kg	50.0	ND	150	60-135	11	25	M1, I
p-Isopropyltoluene	45.7	2.0	ug/kg	50.0	ND	91	60-135	14	20	I
Methylene chloride	49.7	20	ug/kg	50.0	ND	99	60-145	6	25	
Naphthalene	32.1	5.0	ug/kg	50.0	ND	64	40-160	22	25	I
n-Propylbenzene	65.3	2.0	ug/kg	50.0	ND	131	60-140	9	25	I
Styrene	51.1	2.0	ug/kg	50.0	0.76	101	70-145	7	20	
1,1,1,2-Tetrachloroethane	57.2	5.0	ug/kg	50.0	ND	114	65-145	5	20	
1,1,2,2-Tetrachloroethane	68.5	2.0	ug/kg	50.0	ND	137	55-150	18	25	I
Tetrachloroethene	55.3	2.0	ug/kg	50.0	1.9	107	70-130	7	20	
Toluene	53.2	2.0	ug/kg	50.0	7.1	92	70-125	6	20	
1,2,3-Trichlorobenzene	16.2	5.0	ug/kg	50.0	ND	32	60-135	18	20	I, M2
1,2,4-Trichlorobenzene	19.3	5.0	ug/kg	50.0	ND	39	65-140	16	25	M2, I
1,1,1-Trichloroethane	56.9	2.0	ug/kg	50.0	ND	114	65-140	3	20	
1,1,2-Trichloroethane	43.4	2.0	ug/kg	50.0	ND	87	60-140	9	20	
Trichloroethene	54.3	2.0	ug/kg	50.0	ND	109	70-140	3	20	
Trichlorofluoromethane	52.2	5.0	ug/kg	50.0	ND	104	40-160	3	30	
1,2,3-Trichloropropane	84.5	10	ug/kg	50.0	ND	169	55-140	12	25	M1, I
1,2,4-Trimethylbenzene	63.9	2.0	ug/kg	50.0	0.88	126	65-130	9	20	I
1,3,5-Trimethylbenzene	64.7	2.0	ug/kg	50.0	ND	129	70-130	13	20	I
Vinyl chloride	65.4	5.0	ug/kg	50.0	ND	131	45-130	4	30	M1
o-Xylene	47.6	2.0	ug/kg	50.0	1.5	92	70-125	7	20	
m,p-Xylenes	99.5	2.0	ug/kg	100	4.8	95	70-125	7	20	
Surrogate: Dibromofluoromethane	51.7		ug/kg	50.0		103	80-125			
Surrogate: Toluene-d8	51.7		ug/kg	50.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	41.6		ug/kg	50.0		83	80-120			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
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 Huntington Beach, CA 92648
 Attention: Mike Reardon

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04
 Received: 06/30/04

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09004 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09004-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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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: 4G09004 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09004-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	50.9		ug/kg	50.0		102	80-125			
Surrogate: Toluene-d8	51.9		ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	52.6		ug/kg	50.0		105	80-120			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09004 Extracted: 07/09/04										
LCS Analyzed: 07/09/04 (4G09004-BS1)										
Benzene	45.3	2.0	ug/kg	50.0		91	70-120			
Bromobenzene	45.4	5.0	ug/kg	50.0		91	80-120			
Bromochloromethane	48.5	5.0	ug/kg	50.0		97	65-135			
Bromodichloromethane	48.5	2.0	ug/kg	50.0		97	70-140			
Bromoform	50.8	5.0	ug/kg	50.0		102	60-140			
Bromomethane	49.1	5.0	ug/kg	50.0		98	60-140			
n-Butylbenzene	44.7	5.0	ug/kg	50.0		89	75-130			
sec-Butylbenzene	45.1	5.0	ug/kg	50.0		90	75-125			
tert-Butylbenzene	45.5	5.0	ug/kg	50.0		91	80-125			
Carbon tetrachloride	48.8	5.0	ug/kg	50.0		98	70-140			
Chlorobenzene	48.1	2.0	ug/kg	50.0		96	80-125			
Chloroethane	44.8	5.0	ug/kg	50.0		90	55-145			
Chloroform	46.2	2.0	ug/kg	50.0		92	75-120			
Chloromethane	39.3	5.0	ug/kg	50.0		79	35-145			
2-Chlorotoluene	44.0	5.0	ug/kg	50.0		88	75-125			
4-Chlorotoluene	44.5	5.0	ug/kg	50.0		89	80-125			
Dibromochloromethane	49.9	2.0	ug/kg	50.0		100	65-145			
1,2-Dibromo-3-chloropropane	43.5	5.0	ug/kg	50.0		87	50-150			
1,2-Dibromoethane (EDB)	51.6	2.0	ug/kg	50.0		103	70-130			
Dibromomethane	49.2	2.0	ug/kg	50.0		98	70-130			
1,2-Dichlorobenzene	45.6	2.0	ug/kg	50.0		91	80-125			
1,3-Dichlorobenzene	44.7	2.0	ug/kg	50.0		89	80-120			
1,4-Dichlorobenzene	44.4	2.0	ug/kg	50.0		89	80-120			
Dichlorodifluoromethane	47.8	5.0	ug/kg	50.0		96	10-160			
1,1-Dichloroethane	44.6	2.0	ug/kg	50.0		89	70-135			
1,2-Dichloroethane	47.7	2.0	ug/kg	50.0		95	60-150			
1,1-Dichloroethene	48.4	5.0	ug/kg	50.0		97	75-130			
cis-1,2-Dichloroethene	46.6	2.0	ug/kg	50.0		93	70-125			
trans-1,2-Dichloroethene	48.7	2.0	ug/kg	50.0		97	70-130			
1,2-Dichloropropane	44.9	2.0	ug/kg	50.0		90	70-120			
1,3-Dichloropropane	47.9	2.0	ug/kg	50.0		96	70-130			
2,2-Dichloropropane	46.8	2.0	ug/kg	50.0		94	70-150			
1,1-Dichloropropene	45.7	2.0	ug/kg	50.0		91	75-130			
cis-1,3-Dichloropropene	45.1	2.0	ug/kg	50.0		90	75-130			
trans-1,3-Dichloropropene	44.5	2.0	ug/kg	50.0		89	70-135			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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 Attention: Mike Reardon

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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: 4G09004 Extracted: 07/09/04										
LCS Analyzed: 07/09/04 (4G09004-BS1)										
Ethylbenzene	49.0	2.0	ug/kg	50.0		98	75-125			
Hexachlorobutadiene	42.5	5.0	ug/kg	50.0		85	75-140			
Isopropylbenzene	45.9	2.0	ug/kg	50.0		92	75-125			
p-Isopropyltoluene	45.3	2.0	ug/kg	50.0		91	75-125			
Methylene chloride	47.7	20	ug/kg	50.0		95	60-135			
Naphthalene	48.2	5.0	ug/kg	50.0		96	50-145			
n-Propylbenzene	44.6	2.0	ug/kg	50.0		89	75-130			
Styrene	50.4	2.0	ug/kg	50.0		101	80-135			
1,1,1,2-Tetrachloroethane	50.0	5.0	ug/kg	50.0		100	70-145			
1,1,2,2-Tetrachloroethane	53.6	2.0	ug/kg	50.0		107	55-145			
Tetrachloroethene	49.4	2.0	ug/kg	50.0		99	80-125			
Toluene	46.4	2.0	ug/kg	50.0		93	75-120			
1,2,3-Trichlorobenzene	44.9	5.0	ug/kg	50.0		90	65-135			
1,2,4-Trichlorobenzene	43.7	5.0	ug/kg	50.0		87	70-140			
1,1,1-Trichloroethane	45.8	2.0	ug/kg	50.0		92	75-140			
1,1,2-Trichloroethane	46.2	2.0	ug/kg	50.0		92	65-130			
Trichloroethene	46.3	2.0	ug/kg	50.0		93	75-125			
Trichlorofluoromethane	48.8	5.0	ug/kg	50.0		98	50-145			
1,2,3-Trichloropropane	45.8	10	ug/kg	50.0		92	55-140			
1,2,4-Trimethylbenzene	45.7	2.0	ug/kg	50.0		91	75-125			
1,3,5-Trimethylbenzene	46.2	2.0	ug/kg	50.0		92	80-125			
Vinyl chloride	38.6	5.0	ug/kg	50.0		77	45-130			
o-Xylene	47.0	2.0	ug/kg	50.0		94	75-125			
m,p-Xylenes	97.5	2.0	ug/kg	100		98	75-125			
Surrogate: Dibromofluoromethane	50.4		ug/kg	50.0		101	80-125			
Surrogate: Toluene-d8	52.8		ug/kg	50.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	54.1		ug/kg	50.0		108	80-120			

Del Mar Analytical, Irvine
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 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: 4G09004 Extracted: 07/09/04										
Matrix Spike Analyzed: 07/09/04 (4G09004-MS1)					Source: INF1839-09					
Benzene	44.8	2.0	ug/kg	50.0	ND	90	65-130			
Bromobenzene	45.2	5.0	ug/kg	50.0	ND	90	70-130			
Bromochloromethane	49.0	5.0	ug/kg	50.0	ND	98	60-145			
Bromodichloromethane	47.2	2.0	ug/kg	50.0	ND	94	70-145			
Bromoform	51.1	5.0	ug/kg	50.0	ND	102	60-145			
Bromomethane	48.4	5.0	ug/kg	50.0	ND	97	50-150			
n-Butylbenzene	44.4	5.0	ug/kg	50.0	ND	89	60-140			
sec-Butylbenzene	44.9	5.0	ug/kg	50.0	ND	90	65-135			
tert-Butylbenzene	45.3	5.0	ug/kg	50.0	ND	91	70-130			
Carbon tetrachloride	48.8	5.0	ug/kg	50.0	ND	98	70-140			
Chlorobenzene	47.5	2.0	ug/kg	50.0	ND	95	80-130			
Chloroethane	43.3	5.0	ug/kg	50.0	ND	87	50-150			
Chloroform	47.2	2.0	ug/kg	50.0	ND	94	70-130			
Chloromethane	37.8	5.0	ug/kg	50.0	ND	76	30-150			
2-Chlorotoluene	43.6	5.0	ug/kg	50.0	ND	87	70-130			
4-Chlorotoluene	44.5	5.0	ug/kg	50.0	ND	89	65-135			
Dibromochloromethane	49.4	2.0	ug/kg	50.0	ND	99	65-145			
1,2-Dibromo-3-chloropropane	42.9	5.0	ug/kg	50.0	ND	86	50-150			
1,2-Dibromoethane (EDB)	50.3	2.0	ug/kg	50.0	ND	101	65-135			
Dibromomethane	47.6	2.0	ug/kg	50.0	ND	95	65-135			
1,2-Dichlorobenzene	45.1	2.0	ug/kg	50.0	ND	90	75-130			
1,3-Dichlorobenzene	44.4	2.0	ug/kg	50.0	ND	89	70-125			
1,4-Dichlorobenzene	44.2	2.0	ug/kg	50.0	ND	88	75-130			
Dichlorodifluoromethane	45.5	5.0	ug/kg	50.0	ND	91	10-200			
1,1-Dichloroethane	45.1	2.0	ug/kg	50.0	ND	90	70-135			
1,2-Dichloroethane	48.6	2.0	ug/kg	50.0	ND	97	60-150			
1,1-Dichloroethene	47.6	5.0	ug/kg	50.0	ND	95	75-140			
cis-1,2-Dichloroethene	47.2	2.0	ug/kg	50.0	ND	94	60-135			
trans-1,2-Dichloroethene	49.0	2.0	ug/kg	50.0	ND	98	65-135			
1,2-Dichloropropane	44.2	2.0	ug/kg	50.0	ND	88	65-125			
1,3-Dichloropropane	48.1	2.0	ug/kg	50.0	ND	96	65-135			
2,2-Dichloropropane	47.1	2.0	ug/kg	50.0	ND	94	60-150			
1,1-Dichloropropene	45.9	2.0	ug/kg	50.0	ND	92	60-140			
cis-1,3-Dichloropropene	44.2	2.0	ug/kg	50.0	ND	88	65-135			
trans-1,3-Dichloropropene	43.7	2.0	ug/kg	50.0	ND	87	65-140			

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 Project Manager



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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09004 Extracted: 07/09/04										
Matrix Spike Analyzed: 07/09/04 (4G09004-MS1)					Source: INF1839-09					
Ethylbenzene	48.3	2.0	ug/kg	50.0	ND	97	70-130			
Hexachlorobutadiene	40.8	5.0	ug/kg	50.0	ND	82	65-145			
Isopropylbenzene	45.4	2.0	ug/kg	50.0	ND	91	60-135			
p-Isopropyltoluene	45.2	2.0	ug/kg	50.0	ND	90	60-135			
Methylene chloride	47.6	20	ug/kg	50.0	ND	95	60-145			
Naphthalene	46.1	5.0	ug/kg	50.0	ND	92	40-160			
n-Propylbenzene	44.3	2.0	ug/kg	50.0	ND	89	60-140			
Styrene	49.6	2.0	ug/kg	50.0	ND	99	70-145			
1,1,1,2-Tetrachloroethane	48.9	5.0	ug/kg	50.0	ND	98	65-145			
1,1,2,2-Tetrachloroethane	54.1	2.0	ug/kg	50.0	ND	108	55-150			
Tetrachloroethene	48.4	2.0	ug/kg	50.0	ND	97	70-130			
Toluene	45.5	2.0	ug/kg	50.0	ND	91	70-125			
1,2,3-Trichlorobenzene	43.1	5.0	ug/kg	50.0	ND	86	60-135			
1,2,4-Trichlorobenzene	42.7	5.0	ug/kg	50.0	ND	85	65-140			
1,1,1-Trichloroethane	45.8	2.0	ug/kg	50.0	ND	92	65-140			
1,1,2-Trichloroethane	45.7	2.0	ug/kg	50.0	ND	91	60-140			
Trichloroethene	45.6	2.0	ug/kg	50.0	ND	91	70-140			
Trichlorofluoromethane	48.9	5.0	ug/kg	50.0	ND	98	40-160			
1,2,3-Trichloropropane	45.3	10	ug/kg	50.0	ND	91	55-140			
1,2,4-Trimethylbenzene	45.4	2.0	ug/kg	50.0	ND	91	65-130			
1,3,5-Trimethylbenzene	46.2	2.0	ug/kg	50.0	ND	92	70-130			
Vinyl chloride	38.0	5.0	ug/kg	50.0	ND	76	45-130			
o-Xylene	47.3	2.0	ug/kg	50.0	ND	95	70-125			
m,p-Xylenes	95.2	2.0	ug/kg	100	ND	95	70-125			
Surrogate: Dibromofluoromethane	51.2		ug/kg	50.0		102	80-125			
Surrogate: Toluene-d8	52.4		ug/kg	50.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	54.0		ug/kg	50.0		108	80-120			

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 Project Manager

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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: 4G09004 Extracted: 07/09/04										
Matrix Spike Dup Analyzed: 07/09/04 (4G09004-MSD1)					Source: INF1839-09					
Benzene	44.3	2.0	ug/kg	50.0	ND	89	65-130	1	20	
Bromobenzene	44.5	5.0	ug/kg	50.0	ND	89	70-130	2	20	
Bromochloromethane	47.7	5.0	ug/kg	50.0	ND	95	60-145	3	25	
Bromodichloromethane	47.0	2.0	ug/kg	50.0	ND	94	70-145	0	20	
Bromoform	51.0	5.0	ug/kg	50.0	ND	102	60-145	0	25	
Bromomethane	46.9	5.0	ug/kg	50.0	ND	94	50-150	3	25	
n-Butylbenzene	43.5	5.0	ug/kg	50.0	ND	87	60-140	2	25	
sec-Butylbenzene	44.1	5.0	ug/kg	50.0	ND	88	65-135	2	20	
tert-Butylbenzene	44.6	5.0	ug/kg	50.0	ND	89	70-130	2	20	
Carbon tetrachloride	48.6	5.0	ug/kg	50.0	ND	97	70-140	0	20	
Chlorobenzene	47.1	2.0	ug/kg	50.0	ND	94	80-130	1	20	
Chloroethane	43.3	5.0	ug/kg	50.0	ND	87	50-150	0	30	
Chloroform	46.1	2.0	ug/kg	50.0	ND	92	70-130	2	20	
Chloromethane	36.2	5.0	ug/kg	50.0	ND	72	30-150	4	30	
2-Chlorotoluene	42.6	5.0	ug/kg	50.0	ND	85	70-130	2	20	
4-Chlorotoluene	43.5	5.0	ug/kg	50.0	ND	87	65-135	2	20	
Dibromochloromethane	48.8	2.0	ug/kg	50.0	ND	98	65-145	1	25	
1,2-Dibromo-3-chloropropane	42.8	5.0	ug/kg	50.0	ND	86	50-150	0	30	
1,2-Dibromoethane (EDB)	50.3	2.0	ug/kg	50.0	ND	101	65-135	0	20	
Dibromomethane	47.8	2.0	ug/kg	50.0	ND	96	65-135	0	20	
1,2-Dichlorobenzene	44.0	2.0	ug/kg	50.0	ND	88	75-130	2	20	
1,3-Dichlorobenzene	43.6	2.0	ug/kg	50.0	ND	87	70-125	2	20	
1,4-Dichlorobenzene	43.6	2.0	ug/kg	50.0	ND	87	75-130	1	20	
Dichlorodifluoromethane	44.8	5.0	ug/kg	50.0	ND	90	10-200	2	35	
1,1-Dichloroethane	44.0	2.0	ug/kg	50.0	ND	88	70-135	2	20	
1,2-Dichloroethane	47.5	2.0	ug/kg	50.0	ND	95	60-150	2	25	
1,1-Dichloroethene	47.4	5.0	ug/kg	50.0	ND	95	75-140	0	20	
cis-1,2-Dichloroethene	46.4	2.0	ug/kg	50.0	ND	93	60-135	2	20	
trans-1,2-Dichloroethene	47.8	2.0	ug/kg	50.0	ND	96	65-135	2	20	
1,2-Dichloropropane	44.2	2.0	ug/kg	50.0	ND	88	65-125	0	20	
1,3-Dichloropropane	47.5	2.0	ug/kg	50.0	ND	95	65-135	1	20	
2,2-Dichloropropane	47.1	2.0	ug/kg	50.0	ND	94	60-150	0	20	
1,1-Dichloropropene	46.0	2.0	ug/kg	50.0	ND	92	60-140	0	20	
cis-1,3-Dichloropropene	44.3	2.0	ug/kg	50.0	ND	89	65-135	0	20	
trans-1,3-Dichloropropene	43.0	2.0	ug/kg	50.0	ND	86	65-140	2	20	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon
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 Huntington Beach, CA 92648
 Attention: Mike Reardon

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04

Received: 06/30/04

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09004 Extracted: 07/09/04										
Matrix Spike Dup Analyzed: 07/09/04 (4G09004-MSD1)					Source: INF1839-09					
Ethylbenzene	48.1	2.0	ug/kg	50.0	ND	96	70-130	0	20	
Hexachlorobutadiene	40.7	5.0	ug/kg	50.0	ND	81	65-145	0	20	
Isopropylbenzene	44.2	2.0	ug/kg	50.0	ND	88	60-135	3	25	
p-Isopropyltoluene	43.7	2.0	ug/kg	50.0	ND	87	60-135	3	20	
Methylene chloride	46.2	20	ug/kg	50.0	ND	92	60-145	3	25	
Naphthalene	45.4	5.0	ug/kg	50.0	ND	91	40-160	2	25	
n-Propylbenzene	43.9	2.0	ug/kg	50.0	ND	88	60-140	1	25	
Styrene	48.9	2.0	ug/kg	50.0	ND	98	70-145	1	20	
1,1,1,2-Tetrachloroethane	48.7	5.0	ug/kg	50.0	ND	97	65-145	0	20	
1,1,2,2-Tetrachloroethane	54.4	2.0	ug/kg	50.0	ND	109	55-150	1	25	
Tetrachloroethene	48.2	2.0	ug/kg	50.0	ND	96	70-130	0	20	
Toluene	46.0	2.0	ug/kg	50.0	ND	92	70-125	1	20	
1,2,3-Trichlorobenzene	43.4	5.0	ug/kg	50.0	ND	87	60-135	1	20	
1,2,4-Trichlorobenzene	42.8	5.0	ug/kg	50.0	ND	86	65-140	0	25	
1,1,1-Trichloroethane	45.1	2.0	ug/kg	50.0	ND	90	65-140	2	20	
1,1,2-Trichloroethane	44.9	2.0	ug/kg	50.0	ND	90	60-140	2	20	
Trichloroethene	45.5	2.0	ug/kg	50.0	ND	91	70-140	0	20	
Trichlorofluoromethane	47.6	5.0	ug/kg	50.0	ND	95	40-160	3	30	
1,2,3-Trichloropropane	46.3	10	ug/kg	50.0	ND	93	55-140	2	25	
1,2,4-Trimethylbenzene	45.0	2.0	ug/kg	50.0	ND	90	65-130	1	20	
1,3,5-Trimethylbenzene	45.4	2.0	ug/kg	50.0	ND	91	70-130	2	20	
Vinyl chloride	37.2	5.0	ug/kg	50.0	ND	74	45-130	2	30	
o-Xylene	46.1	2.0	ug/kg	50.0	ND	92	70-125	3	20	
m,p-Xylenes	93.2	2.0	ug/kg	100	ND	93	70-125	2	20	
Surrogate: Dibromofluoromethane	50.8		ug/kg	50.0		102	80-125			
Surrogate: Toluene-d8	52.2		ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	55.1		ug/kg	50.0		110	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09012 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09012-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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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09012 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09012-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	2190		ug/kg	2500		88	50-160			
Surrogate: Toluene-d8	2480		ug/kg	2500		99	60-160			
Surrogate: 4-Bromofluorobenzene	2600		ug/kg	2500		104	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: 4G09012 Extracted: 07/09/04										
LCS Analyzed: 07/10/04 (4G09012-BS1)										
Benzene	2570	100	ug/kg	2500		103	75-125			
Bromobenzene	2640	250	ug/kg	2500		106	80-120			
Bromochloromethane	2790	250	ug/kg	2500		112	65-140			
Bromodichloromethane	2800	100	ug/kg	2500		112	70-140			
Bromoform	2520	250	ug/kg	2500		101	60-130			
Bromomethane	2130	250	ug/kg	2500		85	35-140			
n-Butylbenzene	2500	250	ug/kg	2500		100	80-130			
sec-Butylbenzene	2520	250	ug/kg	2500		101	75-125			
tert-Butylbenzene	2630	250	ug/kg	2500		105	80-125			
Carbon tetrachloride	2740	250	ug/kg	2500		110	70-140			
Chlorobenzene	2680	100	ug/kg	2500		107	80-125			
Chloroethane	2140	250	ug/kg	2500		86	40-145			
Chloroform	2730	100	ug/kg	2500		109	75-130			
Chloromethane	1690	250	ug/kg	2500		68	30-145			
2-Chlorotoluene	2520	250	ug/kg	2500		101	75-125			
4-Chlorotoluene	2580	250	ug/kg	2500		103	80-125			
Dibromochloromethane	2840	100	ug/kg	2500		114	65-145			
1,2-Dibromo-3-chloropropane	2520	250	ug/kg	2500		101	45-135			
1,2-Dibromoethane (EDB)	2800	100	ug/kg	2500		112	75-130			
Dibromomethane	2820	100	ug/kg	2500		113	75-135			
1,2-Dichlorobenzene	2680	100	ug/kg	2500		107	80-120			
1,3-Dichlorobenzene	2610	100	ug/kg	2500		104	80-120			
1,4-Dichlorobenzene	2610	100	ug/kg	2500		104	80-120			
Dichlorodifluoromethane	1210	250	ug/kg	2500		48	10-160			
1,1-Dichloroethane	2710	100	ug/kg	2500		108	70-135			
1,2-Dichloroethane	2860	100	ug/kg	2500		114	60-150			
1,1-Dichloroethene	2660	250	ug/kg	2500		106	80-145			
cis-1,2-Dichloroethene	2660	100	ug/kg	2500		106	70-135			
trans-1,2-Dichloroethene	2700	100	ug/kg	2500		108	70-135			
1,2-Dichloropropane	2660	100	ug/kg	2500		106	75-125			
1,3-Dichloropropane	2790	100	ug/kg	2500		112	75-130			
2,2-Dichloropropane	2670	100	ug/kg	2500		107	70-150			
1,1-Dichloropropene	2680	100	ug/kg	2500		107	75-130			
cis-1,3-Dichloropropene	2710	100	ug/kg	2500		108	75-130			
trans-1,3-Dichloropropene	2730	100	ug/kg	2500		109	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: 4G09012 Extracted: 07/09/04										
LCS Analyzed: 07/10/04 (4G09012-BS1)										
Ethylbenzene	2730	100	ug/kg	2500		109	80-120			
Hexachlorobutadiene	2640	250	ug/kg	2500		106	75-140			
Isopropylbenzene	2660	100	ug/kg	2500		106	75-125			
p-Isopropyltoluene	2480	100	ug/kg	2500		99	80-125			
Methylene chloride	2690	1000	ug/kg	2500		108	60-145			
Naphthalene	2840	250	ug/kg	2500		114	50-145			
n-Propylbenzene	2510	100	ug/kg	2500		100	75-130			
Styrene	2770	100	ug/kg	2500		111	80-135			
1,1,1,2-Tetrachloroethane	2830	250	ug/kg	2500		113	70-145			
1,1,2,2-Tetrachloroethane	2830	100	ug/kg	2500		113	60-135			
Tetrachloroethene	2670	100	ug/kg	2500		107	80-125			
Toluene	2660	100	ug/kg	2500		106	80-125			
1,2,3-Trichlorobenzene	2800	250	ug/kg	2500		112	65-135			
1,2,4-Trichlorobenzene	2730	250	ug/kg	2500		109	70-140			
1,1,1-Trichloroethane	2740	100	ug/kg	2500		110	75-140			
1,1,2-Trichloroethane	2770	100	ug/kg	2500		111	70-130			
Trichloroethene	2720	100	ug/kg	2500		109	80-130			
Trichlorofluoromethane	2350	250	ug/kg	2500		94	55-145			
1,2,3-Trichloropropane	2730	500	ug/kg	2500		109	60-130			
1,2,4-Trimethylbenzene	2520	100	ug/kg	2500		101	80-125			
1,3,5-Trimethylbenzene	2550	100	ug/kg	2500		102	80-125			
Vinyl chloride	701	250	ug/kg	2500		28	10-120			
o-Xylene	2580	100	ug/kg	2500		103	80-125			
m,p-Xylenes	5300	100	ug/kg	5000		106	80-120			
Surrogate: Dibromofluoromethane	2200		ug/kg	2500		88	50-160			
Surrogate: Toluene-d8	2290		ug/kg	2500		92	60-160			
Surrogate: 4-Bromofluorobenzene	2420		ug/kg	2500		97	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: 4G09012 Extracted: 07/09/04										
LCS Dup Analyzed: 07/09/04 (4G09012-BSD1)										
Benzene	2110	100	ug/kg	2500		84	75-125	20	20	
Bromobenzene	2270	250	ug/kg	2500		91	80-120	15	20	
Bromochloromethane	2310	250	ug/kg	2500		92	65-140	19	20	
Bromodichloromethane	2460	100	ug/kg	2500		98	70-140	13	20	
Bromoform	2620	250	ug/kg	2500		105	60-130	4	25	
Bromomethane	1840	250	ug/kg	2500		74	35-140	15	30	
n-Butylbenzene	2250	250	ug/kg	2500		90	80-130	11	20	
sec-Butylbenzene	2100	250	ug/kg	2500		84	75-125	18	20	
tert-Butylbenzene	2310	250	ug/kg	2500		92	80-125	13	20	
Carbon tetrachloride	2680	250	ug/kg	2500		107	70-140	2	20	
Chlorobenzene	2340	100	ug/kg	2500		94	80-125	14	20	
Chloroethane	1600	250	ug/kg	2500		64	40-145	29	25	R-7
Chloroform	2160	100	ug/kg	2500		86	75-130	23	20	R-7
Chloromethane	1190	250	ug/kg	2500		48	30-145	35	25	R-7
2-Chlorotoluene	2170	250	ug/kg	2500		87	75-125	15	20	
4-Chlorotoluene	2250	250	ug/kg	2500		90	80-125	14	20	
Dibromochloromethane	2540	100	ug/kg	2500		102	65-145	11	20	
1,2-Dibromo-3-chloropropane	1950	250	ug/kg	2500		78	45-135	26	25	R-7
1,2-Dibromoethane (EDB)	2290	100	ug/kg	2500		92	75-130	20	20	
Dibromomethane	2350	100	ug/kg	2500		94	75-135	18	20	
1,2-Dichlorobenzene	2230	100	ug/kg	2500		89	80-120	18	20	
1,3-Dichlorobenzene	2220	100	ug/kg	2500		89	80-120	16	20	
1,4-Dichlorobenzene	2260	100	ug/kg	2500		90	80-120	14	20	
Dichlorodifluoromethane	765	250	ug/kg	2500		31	10-160	45	30	R-7
1,1-Dichloroethane	2150	100	ug/kg	2500		86	70-135	23	20	R-7
1,2-Dichloroethane	2510	100	ug/kg	2500		100	60-150	13	25	
1,1-Dichloroethene	2080	250	ug/kg	2500		83	80-145	24	20	R-7
cis-1,2-Dichloroethene	2120	100	ug/kg	2500		85	70-135	23	20	R-7
trans-1,2-Dichloroethene	2180	100	ug/kg	2500		87	70-135	21	20	R-7
1,2-Dichloropropane	2120	100	ug/kg	2500		85	75-125	23	20	R-7
1,3-Dichloropropane	2260	100	ug/kg	2500		90	75-130	21	20	R-7
2,2-Dichloropropane	3170	100	ug/kg	2500		127	70-150	17	20	
1,1-Dichloropropene	2300	100	ug/kg	2500		92	75-130	15	20	
cis-1,3-Dichloropropene	2350	100	ug/kg	2500		94	75-130	14	20	
trans-1,3-Dichloropropene	2420	100	ug/kg	2500		97	75-135	12	20	

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 Project Manager



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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: 4G09012 Extracted: 07/09/04										
LCS Dup Analyzed: 07/09/04 (4G09012-BSD1)										
Ethylbenzene	2370	100	ug/kg	2500		95	80-120	14	20	
Hexachlorobutadiene	2350	250	ug/kg	2500		94	75-140	12	20	
Isopropylbenzene	2160	100	ug/kg	2500		86	75-125	21	20	R-7
p-Isopropyltoluene	2280	100	ug/kg	2500		91	80-125	8	20	
Methylene chloride	2060	1000	ug/kg	2500		82	60-145	27	20	R-7
Naphthalene	2170	250	ug/kg	2500		87	50-145	27	25	R-7
n-Propylbenzene	2230	100	ug/kg	2500		89	75-130	12	20	
Styrene	2350	100	ug/kg	2500		94	80-135	16	20	
1,1,1,2-Tetrachloroethane	2610	250	ug/kg	2500		104	70-145	8	20	
1,1,2,2-Tetrachloroethane	1940	100	ug/kg	2500		78	60-135	37	25	R-7
Tetrachloroethene	2530	100	ug/kg	2500		101	80-125	5	20	
Toluene	2310	100	ug/kg	2500		92	80-125	14	20	
1,2,3-Trichlorobenzene	2370	250	ug/kg	2500		95	65-135	17	20	
1,2,4-Trichlorobenzene	2400	250	ug/kg	2500		96	70-140	13	20	
1,1,1-Trichloroethane	2480	100	ug/kg	2500		99	75-140	10	20	
1,1,2-Trichloroethane	2100	100	ug/kg	2500		84	70-130	28	20	R-7
Trichloroethene	2380	100	ug/kg	2500		95	80-130	13	20	
Trichlorofluoromethane	2140	250	ug/kg	2500		86	55-145	9	25	
1,2,3-Trichloropropane	1930	500	ug/kg	2500		77	60-130	34	20	R-7
1,2,4-Trimethylbenzene	2140	100	ug/kg	2500		86	80-125	16	20	
1,3,5-Trimethylbenzene	2240	100	ug/kg	2500		90	80-125	13	20	
Vinyl chloride	465	250	ug/kg	2500		19	10-120	40	30	R-7
o-Xylene	2210	100	ug/kg	2500		88	80-125	15	20	
m,p-Xylenes	4420	100	ug/kg	5000		88	80-120	18	20	
Surrogate: Dibromofluoromethane	2030		ug/kg	2500		81	50-160			
Surrogate: Toluene-d8	2230		ug/kg	2500		89	60-160			
Surrogate: 4-Bromofluorobenzene	2300		ug/kg	2500		92	60-150			

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 Kathleen A. Robb
 Project Manager



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

Project ID: SB0202/31

Report Number: ING0001

Sampled: 06/30/04
 Received: 06/30/04

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09012 Extracted: 07/09/04										
Matrix Spike Analyzed: 07/09/04 (4G09012-MS1)					Source: ING0171-03					
Benzene	1960	100	ug/kg	2500	ND	78	60-140			
Bromobenzene	2120	250	ug/kg	2500	ND	85	65-130			
Bromochloromethane	2000	250	ug/kg	2500	ND	80	60-145			
Bromodichloromethane	2280	100	ug/kg	2500	ND	91	65-150			
Bromoform	2290	250	ug/kg	2500	ND	92	55-150			
Bromomethane	1620	250	ug/kg	2500	ND	65	30-160			
n-Butylbenzene	3590	250	ug/kg	2500	ND	144	60-150			
sec-Butylbenzene	2280	250	ug/kg	2500	ND	91	65-145			
tert-Butylbenzene	2170	250	ug/kg	2500	ND	87	60-150			
Carbon tetrachloride	2480	250	ug/kg	2500	ND	99	70-140			
Chlorobenzene	2140	100	ug/kg	2500	ND	86	70-140			
Chloroethane	1420	250	ug/kg	2500	ND	57	30-170			
Chloroform	1940	100	ug/kg	2500	ND	78	60-140			
Chloromethane	1040	250	ug/kg	2500	ND	42	30-160			
2-Chlorotoluene	2500	250	ug/kg	2500	ND	100	60-140			
4-Chlorotoluene	2770	250	ug/kg	2500	ND	111	70-135			
Dibromochloromethane	2220	100	ug/kg	2500	ND	89	60-150			
1,2-Dibromo-3-chloropropane	1920	250	ug/kg	2500	ND	77	40-150			
1,2-Dibromoethane (EDB)	1960	100	ug/kg	2500	ND	78	65-140			
Dibromomethane	2030	100	ug/kg	2500	ND	81	65-140			
1,2-Dichlorobenzene	1960	100	ug/kg	2500	ND	78	70-130			
1,3-Dichlorobenzene	2100	100	ug/kg	2500	ND	84	60-155			
1,4-Dichlorobenzene	2090	100	ug/kg	2500	ND	84	55-150			
Dichlorodifluoromethane	519	250	ug/kg	2500	ND	21	10-160			
1,1-Dichloroethane	1880	100	ug/kg	2500	ND	75	60-155			
1,2-Dichloroethane	2250	100	ug/kg	2500	ND	90	55-150			
1,1-Dichloroethene	1850	250	ug/kg	2500	ND	74	60-165			
cis-1,2-Dichloroethene	1860	100	ug/kg	2500	ND	74	60-135			
trans-1,2-Dichloroethene	1860	100	ug/kg	2500	ND	74	50-155			
1,2-Dichloropropane	1900	100	ug/kg	2500	ND	76	65-135			
1,3-Dichloropropane	1960	100	ug/kg	2500	ND	78	65-135			
2,2-Dichloropropane	2710	100	ug/kg	2500	ND	108	60-150			
1,1-Dichloropropene	2130	100	ug/kg	2500	ND	85	60-140			
cis-1,3-Dichloropropene	2150	100	ug/kg	2500	ND	86	60-135			
trans-1,3-Dichloropropene	2120	100	ug/kg	2500	ND	85	55-155			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09012 Extracted: 07/09/04										
Matrix Spike Analyzed: 07/09/04 (4G09012-MS1)					Source: ING0171-03					
Ethylbenzene	5750	100	ug/kg	2500	4400	54	60-140			M2
Hexachlorobutadiene	2210	250	ug/kg	2500	ND	88	65-145			
Isopropylbenzene	2720	100	ug/kg	2500	880	74	60-140			
p-Isopropyltoluene	2270	100	ug/kg	2500	ND	91	60-145			
Methylene chloride	1760	1000	ug/kg	2500	ND	70	50-155			
Naphthalene	4000	250	ug/kg	2500	3000	40	30-165			
n-Propylbenzene	4500	100	ug/kg	2500	3600	36	60-145			M2
Styrene	2160	100	ug/kg	2500	ND	86	60-145			
1,1,1,2-Tetrachloroethane	2410	250	ug/kg	2500	ND	96	65-145			
1,1,2,2-Tetrachloroethane	1630	100	ug/kg	2500	ND	65	60-150			
Tetrachloroethene	2340	100	ug/kg	2500	ND	94	65-145			
Toluene	2210	100	ug/kg	2500	120	84	60-145			
1,2,3-Trichlorobenzene	2170	250	ug/kg	2500	ND	87	45-145			
1,2,4-Trichlorobenzene	2200	250	ug/kg	2500	ND	88	60-140			
1,1,1-Trichloroethane	2170	100	ug/kg	2500	ND	87	65-140			
1,1,2-Trichloroethane	2170	100	ug/kg	2500	ND	87	60-140			
Trichloroethene	2240	100	ug/kg	2500	ND	90	70-150			
Trichlorofluoromethane	1830	250	ug/kg	2500	ND	73	35-165			
1,2,3-Trichloropropane	1710	500	ug/kg	2500	ND	68	50-150			
1,2,4-Trimethylbenzene	17500	100	ug/kg	2500	18000	-20	70-135			M-HA
1,3,5-Trimethylbenzene	8140	100	ug/kg	2500	8800	-26	70-135			M2
Vinyl chloride	491	250	ug/kg	2500	ND	20	10-120			
o-Xylene	6180	100	ug/kg	2500	4900	51	60-145			M2
m,p-Xylenes	10100	100	ug/kg	5000	7400	54	60-140			M2
Surrogate: Dibromofluoromethane	1740		ug/kg	2500		70	50-160			
Surrogate: Toluene-d8	2050		ug/kg	2500		82	60-160			
Surrogate: 4-Bromofluorobenzene	2140		ug/kg	2500		86	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: 4G09012 Extracted: 07/09/04										
Matrix Spike Dup Analyzed: 07/10/04 (4G09012-MSD1)					Source: ING0171-03					
Benzene	2060	100	ug/kg	2500	ND	82	60-140	5	25	
Bromobenzene	2260	250	ug/kg	2500	ND	90	65-130	6	25	
Bromochloromethane	2260	250	ug/kg	2500	ND	90	60-145	12	25	
Bromodichloromethane	2550	100	ug/kg	2500	ND	102	65-150	11	25	
Bromoform	2580	250	ug/kg	2500	ND	103	55-150	12	30	
Bromomethane	1740	250	ug/kg	2500	ND	70	30-160	7	30	
n-Butylbenzene	5040	250	ug/kg	2500	ND	202	60-150	34	25	MI, R-3
sec-Butylbenzene	2700	250	ug/kg	2500	ND	108	65-145	17	25	
tert-Butylbenzene	2360	250	ug/kg	2500	ND	94	60-150	8	20	
Carbon tetrachloride	2730	250	ug/kg	2500	ND	109	70-140	10	20	
Chlorobenzene	2320	100	ug/kg	2500	ND	93	70-140	8	25	
Chloroethane	1620	250	ug/kg	2500	ND	65	30-170	13	35	
Chloroform	2290	100	ug/kg	2500	ND	92	60-140	17	25	
Chloromethane	1020	250	ug/kg	2500	ND	41	30-160	2	30	
2-Chlorotoluene	3690	250	ug/kg	2500	ND	148	60-140	38	25	MI, R-3
4-Chlorotoluene	3700	250	ug/kg	2500	ND	148	70-135	29	20	MI, R-3
Dibromochloromethane	2420	100	ug/kg	2500	ND	97	60-150	9	25	
1,2-Dibromo-3-chloropropane	2480	250	ug/kg	2500	ND	99	40-150	25	30	
1,2-Dibromoethane (EDB)	2250	100	ug/kg	2500	ND	90	65-140	14	25	
Dibromomethane	2320	100	ug/kg	2500	ND	93	65-140	13	20	
1,2-Dichlorobenzene	2020	100	ug/kg	2500	ND	81	70-130	3	20	
1,3-Dichlorobenzene	2300	100	ug/kg	2500	ND	92	60-155	9	25	
1,4-Dichlorobenzene	2280	100	ug/kg	2500	ND	91	55-150	9	25	
Dichlorodifluoromethane	467	250	ug/kg	2500	ND	19	10-160	11	35	
1,1-Dichloroethane	2120	100	ug/kg	2500	ND	85	60-155	12	25	
1,2-Dichloroethane	2580	100	ug/kg	2500	ND	103	55-150	14	30	
1,1-Dichloroethene	2070	250	ug/kg	2500	ND	83	60-165	11	25	
cis-1,2-Dichloroethene	2040	100	ug/kg	2500	ND	82	60-135	9	25	
trans-1,2-Dichloroethene	2050	100	ug/kg	2500	ND	82	50-155	10	25	
1,2-Dichloropropane	2130	100	ug/kg	2500	ND	85	65-135	11	20	
1,3-Dichloropropane	2140	100	ug/kg	2500	ND	86	65-135	9	20	
2,2-Dichloropropane	2680	100	ug/kg	2500	ND	107	60-150	1	20	
1,1-Dichloropropene	2290	100	ug/kg	2500	ND	92	60-140	7	20	
cis-1,3-Dichloropropene	2240	100	ug/kg	2500	ND	90	60-135	4	25	
trans-1,3-Dichloropropene	2250	100	ug/kg	2500	ND	90	55-155	6	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09012 Extracted: 07/09/04										
Matrix Spike Dup Analyzed: 07/10/04 (4G09012-MSD1)					Source: ING0171-03					
Ethylbenzene	12700	100	ug/kg	2500	4400	332	60-140	75	25	MI, R-3
Hexachlorobutadiene	2360	250	ug/kg	2500	ND	94	65-145	7	25	
Isopropylbenzene	3690	100	ug/kg	2500	880	112	60-140	30	25	R
p-Isopropyltoluene	2620	100	ug/kg	2500	ND	105	60-145	14	25	
Methylene chloride	2200	1000	ug/kg	2500	ND	88	50-155	22	25	
Naphthalene	5990	250	ug/kg	2500	3000	120	30-165	40	30	R
n-Propylbenzene	7170	100	ug/kg	2500	3600	143	60-145	46	25	R-3
Styrene	2510	100	ug/kg	2500	ND	100	60-145	15	20	
1,1,1,2-Tetrachloroethane	2700	250	ug/kg	2500	ND	108	65-145	11	20	
1,1,2,2-Tetrachloroethane	1480	100	ug/kg	2500	ND	59	60-150	10	20	M2
Tetrachloroethene	2560	100	ug/kg	2500	ND	102	65-145	9	25	
Toluene	2590	100	ug/kg	2500	120	99	60-145	16	25	
1,2,3-Trichlorobenzene	2300	250	ug/kg	2500	ND	92	45-145	6	30	
1,2,4-Trichlorobenzene	2410	250	ug/kg	2500	ND	96	60-140	9	25	
1,1,1-Trichloroethane	2440	100	ug/kg	2500	ND	98	65-140	12	25	
1,1,2-Trichloroethane	2210	100	ug/kg	2500	ND	88	60-140	2	20	
Trichloroethene	2500	100	ug/kg	2500	ND	100	70-150	11	25	
Trichlorofluoromethane	2110	250	ug/kg	2500	ND	84	35-165	14	30	
1,2,3-Trichloropropane	1970	500	ug/kg	2500	ND	79	50-150	14	20	
1,2,4-Trimethylbenzene	27000	100	ug/kg	2500	18000	360	70-135	43	20	M-HA, R-3
1,3,5-Trimethylbenzene	13700	100	ug/kg	2500	8800	196	70-135	51	25	MI, R-3
Vinyl chloride	525	250	ug/kg	2500	ND	21	10-120	7	35	
o-Xylene	16000	100	ug/kg	2500	4900	444	60-145	89	25	MI, R-3
m,p-Xylenes	26800	100	ug/kg	5000	7400	388	60-140	91	25	MI, R-3
Surrogate: Dibromofluoromethane	2070		ug/kg	2500		83	50-160			
Surrogate: Toluene-d8	2190		ug/kg	2500		88	60-160			
Surrogate: 4-Bromofluorobenzene	2510		ug/kg	2500		100	60-150			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
Blank Analyzed: 07/06/04 (4G07012-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 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
Blank Analyzed: 07/06/04 (4G07012-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	2930		ug/kg	2500		117	50-160			
Surrogate: Toluene-d8	3000		ug/kg	2500		120	60-160			
Surrogate: 4-Bromofluorobenzene	2810		ug/kg	2500		112	60-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
LCS Analyzed: 07/06/04 (4G07012-BS1)										
Benzene	2780	100	ug/kg	2500		111	75-125			
Bromobenzene	2340	250	ug/kg	2500		94	80-120			
Bromochloromethane	2980	250	ug/kg	2500		119	65-140			
Bromodichloromethane	2680	100	ug/kg	2500		107	70-140			
Bromoform	2300	250	ug/kg	2500		92	60-130			
Bromomethane	2670	250	ug/kg	2500		107	35-140			
n-Butylbenzene	2520	250	ug/kg	2500		101	80-130			
sec-Butylbenzene	2300	250	ug/kg	2500		92	75-125			
tert-Butylbenzene	2260	250	ug/kg	2500		90	80-125			
Carbon tetrachloride	2420	250	ug/kg	2500		97	70-140			
Chlorobenzene	2640	100	ug/kg	2500		106	80-125			
Chloroethane	2790	250	ug/kg	2500		112	40-145			
Chloroform	2630	100	ug/kg	2500		105	75-130			
Chloromethane	2700	250	ug/kg	2500		108	30-145			
2-Chlorotoluene	2260	250	ug/kg	2500		90	75-125			
4-Chlorotoluene	2410	250	ug/kg	2500		96	80-125			
Dibromochloromethane	2520	100	ug/kg	2500		101	65-145			
1,2-Dibromo-3-chloropropane	1930	250	ug/kg	2500		77	45-135			
1,2-Dibromoethane (EDB)	2490	100	ug/kg	2500		100	75-130			
Dibromomethane	2820	100	ug/kg	2500		113	75-135			
1,2-Dichlorobenzene	2490	100	ug/kg	2500		100	80-120			
1,3-Dichlorobenzene	2430	100	ug/kg	2500		97	80-120			
1,4-Dichlorobenzene	2470	100	ug/kg	2500		99	80-120			
Dichlorodifluoromethane	2670	250	ug/kg	2500		107	10-160			
1,1-Dichloroethane	2760	100	ug/kg	2500		110	70-135			
1,2-Dichloroethane	2570	100	ug/kg	2500		103	60-150			
1,1-Dichloroethene	2810	250	ug/kg	2500		112	80-145			
cis-1,2-Dichloroethene	2820	100	ug/kg	2500		113	70-135			
trans-1,2-Dichloroethene	2880	100	ug/kg	2500		115	70-135			
1,2-Dichloropropane	2870	100	ug/kg	2500		115	75-125			
1,3-Dichloropropane	2570	100	ug/kg	2500		103	75-130			
2,2-Dichloropropane	2600	100	ug/kg	2500		104	70-150			
1,1-Dichloropropene	2630	100	ug/kg	2500		105	75-130			
cis-1,3-Dichloropropene	2870	100	ug/kg	2500		115	75-130			
trans-1,3-Dichloropropene	2590	100	ug/kg	2500		104	75-135			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
LCS Analyzed: 07/06/04 (4G07012-BS1)										
Ethylbenzene	2640	100	ug/kg	2500		106	80-120			
Hexachlorobutadiene	2570	250	ug/kg	2500		103	75-140			
Isopropylbenzene	2280	100	ug/kg	2500		91	75-125			
p-Isopropyltoluene	2340	100	ug/kg	2500		94	80-125			
Methylene chloride	2690	1000	ug/kg	2500		108	60-145			
Naphthalene	2620	250	ug/kg	2500		105	50-145			
n-Propylbenzene	2390	100	ug/kg	2500		96	75-130			
Styrene	2580	100	ug/kg	2500		103	80-135			
1,1,1,2-Tetrachloroethane	2530	250	ug/kg	2500		101	70-145			
1,1,2,2-Tetrachloroethane	2290	100	ug/kg	2500		92	60-135			
Tetrachloroethene	2510	100	ug/kg	2500		100	80-125			
Toluene	2710	100	ug/kg	2500		108	80-125			
1,2,3-Trichlorobenzene	3020	250	ug/kg	2500		121	65-135			
1,2,4-Trichlorobenzene	3080	250	ug/kg	2500		123	70-140			
1,1,1-Trichloroethane	2490	100	ug/kg	2500		100	75-140			
1,1,2-Trichloroethane	2740	100	ug/kg	2500		110	70-130			
Trichloroethene	2800	100	ug/kg	2500		112	80-130			
Trichlorofluoromethane	2450	250	ug/kg	2500		98	55-145			
1,2,3-Trichloropropane	2130	500	ug/kg	2500		85	60-130			
1,2,4-Trimethylbenzene	2390	100	ug/kg	2500		96	80-125			
1,3,5-Trimethylbenzene	2340	100	ug/kg	2500		94	80-125			
Vinyl chloride	820	250	ug/kg	2500		33	10-120			
o-Xylene	2650	100	ug/kg	2500		106	80-125			
m,p-Xylenes	5400	100	ug/kg	5000		108	80-120			
Surrogate: Dibromofluoromethane	2710		ug/kg	2500		108	50-160			
Surrogate: Toluene-d8	2780		ug/kg	2500		111	60-160			
Surrogate: 4-Bromofluorobenzene	2650		ug/kg	2500		106	60-150			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
LCS Dup Analyzed: 07/06/04 (4G07012-BSD1)										
Benzene	2720	100	ug/kg	2500		109	75-125	2	20	
Bromobenzene	2330	250	ug/kg	2500		93	80-120	0	20	
Bromochloromethane	2820	250	ug/kg	2500		113	65-140	6	20	
Bromodichloromethane	2600	100	ug/kg	2500		104	70-140	3	20	
Bromoform	2260	250	ug/kg	2500		90	60-130	2	25	
Bromomethane	2550	250	ug/kg	2500		102	35-140	5	30	
n-Butylbenzene	2510	250	ug/kg	2500		100	80-130	0	20	
sec-Butylbenzene	2300	250	ug/kg	2500		92	75-125	0	20	
tert-Butylbenzene	2260	250	ug/kg	2500		90	80-125	0	20	
Carbon tetrachloride	2330	250	ug/kg	2500		93	70-140	4	20	
Chlorobenzene	2550	100	ug/kg	2500		102	80-125	3	20	
Chloroethane	2680	250	ug/kg	2500		107	40-145	4	25	
Chloroform	2550	100	ug/kg	2500		102	75-130	3	20	
Chloromethane	2590	250	ug/kg	2500		104	30-145	4	25	
2-Chlorotoluene	2230	250	ug/kg	2500		89	75-125	1	20	
4-Chlorotoluene	2350	250	ug/kg	2500		94	80-125	3	20	
Dibromochloromethane	2480	100	ug/kg	2500		99	65-145	2	20	
1,2-Dibromo-3-chloropropane	2000	250	ug/kg	2500		80	45-135	4	25	
1,2-Dibromoethane (EDB)	2500	100	ug/kg	2500		100	75-130	0	20	
Dibromomethane	2740	100	ug/kg	2500		110	75-135	3	20	
1,2-Dichlorobenzene	2480	100	ug/kg	2500		99	80-120	0	20	
1,3-Dichlorobenzene	2440	100	ug/kg	2500		98	80-120	0	20	
1,4-Dichlorobenzene	2460	100	ug/kg	2500		98	80-120	0	20	
Dichlorodifluoromethane	2550	250	ug/kg	2500		102	10-160	5	30	
1,1-Dichloroethane	2640	100	ug/kg	2500		106	70-135	4	20	
1,2-Dichloroethane	2530	100	ug/kg	2500		101	60-150	2	25	
1,1-Dichloroethene	2640	250	ug/kg	2500		106	80-145	6	20	
cis-1,2-Dichloroethene	2720	100	ug/kg	2500		109	70-135	4	20	
trans-1,2-Dichloroethene	2840	100	ug/kg	2500		114	70-135	1	20	
1,2-Dichloropropane	2790	100	ug/kg	2500		112	75-125	3	20	
1,3-Dichloropropane	2570	100	ug/kg	2500		103	75-130	0	20	
2,2-Dichloropropane	2470	100	ug/kg	2500		99	70-150	5	20	
1,1-Dichloropropene	2550	100	ug/kg	2500		102	75-130	3	20	
cis-1,3-Dichloropropene	2800	100	ug/kg	2500		112	75-130	2	20	
trans-1,3-Dichloropropene	2550	100	ug/kg	2500		102	75-135	2	20	

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 Kathleen A. Robb
 Project Manager



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
LCS Dup Analyzed: 07/06/04 (4G07012-BSD1)										
Ethylbenzene	2570	100	ug/kg	2500		103	80-120	3	20	
Hexachlorobutadiene	2470	250	ug/kg	2500		99	75-140	4	20	
Isopropylbenzene	2300	100	ug/kg	2500		92	75-125	1	20	
p-Isopropyltoluene	2310	100	ug/kg	2500		92	80-125	1	20	
Methylene chloride	2590	1000	ug/kg	2500		104	60-145	4	20	
Naphthalene	2710	250	ug/kg	2500		108	50-145	3	25	
n-Propylbenzene	2370	100	ug/kg	2500		95	75-130	1	20	
Styrene	2500	100	ug/kg	2500		100	80-135	3	20	
1,1,1,2-Tetrachloroethane	2420	250	ug/kg	2500		97	70-145	4	20	
1,1,2,2-Tetrachloroethane	2340	100	ug/kg	2500		94	60-135	2	25	
Tetrachloroethene	2470	100	ug/kg	2500		99	80-125	2	20	
Toluene	2610	100	ug/kg	2500		104	80-125	4	20	
1,2,3-Trichlorobenzene	2970	250	ug/kg	2500		119	65-135	2	20	
1,2,4-Trichlorobenzene	3060	250	ug/kg	2500		122	70-140	1	20	
1,1,1-Trichloroethane	2400	100	ug/kg	2500		96	75-140	4	20	
1,1,2-Trichloroethane	2770	100	ug/kg	2500		111	70-130	1	20	
Trichloroethene	2660	100	ug/kg	2500		106	80-130	5	20	
Trichlorofluoromethane	2310	250	ug/kg	2500		92	55-145	6	25	
1,2,3-Trichloropropane	2240	500	ug/kg	2500		90	60-130	5	20	
1,2,4-Trimethylbenzene	2380	100	ug/kg	2500		95	80-125	0	20	
1,3,5-Trimethylbenzene	2310	100	ug/kg	2500		92	80-125	1	20	
Vinyl chloride	892	250	ug/kg	2500		36	10-120	8	30	
o-Xylene	2570	100	ug/kg	2500		103	80-125	3	20	
m,p-Xylenes	5220	100	ug/kg	5000		104	80-120	3	20	
Surrogate: Dibromofluoromethane	2620		ug/kg	2500		105	50-160			
Surrogate: Toluene-d8	2640		ug/kg	2500		106	60-160			
Surrogate: 4-Bromofluorobenzene	2510		ug/kg	2500		100	60-150			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
Matrix Spike Analyzed: 07/06/04 (4G07012-MS1)					Source: INF1736-03					
Benzene	2220	100	ug/kg	2500	ND	89	60-140			
Bromobenzene	1880	250	ug/kg	2500	ND	75	65-130			
Bromochloromethane	2440	250	ug/kg	2500	ND	98	60-145			
Bromodichloromethane	2250	100	ug/kg	2500	ND	90	65-150			
Bromoform	1880	250	ug/kg	2500	ND	75	55-150			
Bromomethane	2080	250	ug/kg	2500	ND	83	30-160			
n-Butylbenzene	1830	250	ug/kg	2500	ND	73	60-150			
sec-Butylbenzene	1660	250	ug/kg	2500	69	64	65-145			M2
tert-Butylbenzene	1640	250	ug/kg	2500	ND	66	60-150			
Carbon tetrachloride	1820	250	ug/kg	2500	ND	73	70-140			
Chlorobenzene	2050	100	ug/kg	2500	ND	82	70-140			
Chloroethane	2220	250	ug/kg	2500	ND	89	30-170			
Chloroform	2180	100	ug/kg	2500	ND	87	60-140			
Chloromethane	1980	250	ug/kg	2500	ND	79	30-160			
2-Chlorotoluene	1730	250	ug/kg	2500	ND	69	60-140			
4-Chlorotoluene	1820	250	ug/kg	2500	ND	73	70-135			
Dibromochloromethane	2120	100	ug/kg	2500	ND	85	60-150			
1,2-Dibromo-3-chloropropane	1570	250	ug/kg	2500	ND	63	40-150			
1,2-Dibromoethane (EDB)	1970	100	ug/kg	2500	ND	79	65-140			
Dibromomethane	2320	100	ug/kg	2500	ND	93	65-140			
1,2-Dichlorobenzene	1940	100	ug/kg	2500	ND	78	70-130			
1,3-Dichlorobenzene	1840	100	ug/kg	2500	ND	74	60-155			
1,4-Dichlorobenzene	1850	100	ug/kg	2500	ND	74	55-150			
Dichlorodifluoromethane	1580	250	ug/kg	2500	ND	63	10-160			
1,1-Dichloroethane	2240	100	ug/kg	2500	ND	90	60-155			
1,2-Dichloroethane	2070	100	ug/kg	2500	ND	83	55-150			
1,1-Dichloroethene	2180	250	ug/kg	2500	ND	87	60-165			
cis-1,2-Dichloroethene	2290	100	ug/kg	2500	ND	92	60-135			
trans-1,2-Dichloroethene	2240	100	ug/kg	2500	ND	90	50-155			
1,2-Dichloropropane	2390	100	ug/kg	2500	ND	96	65-135			
1,3-Dichloropropane	2110	100	ug/kg	2500	ND	84	65-135			
2,2-Dichloropropane	2100	100	ug/kg	2500	ND	84	60-150			
1,1-Dichloropropene	2020	100	ug/kg	2500	ND	81	60-140			
cis-1,3-Dichloropropene	2340	100	ug/kg	2500	ND	94	60-135			
trans-1,3-Dichloropropene	2110	100	ug/kg	2500	ND	84	55-155			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

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 Huntington Beach, CA 92648
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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
Matrix Spike Analyzed: 07/06/04 (4G07012-MS1)					Source: INF1736-03					
Ethylbenzene	2040	100	ug/kg	2500	49	80	60-140			
Hexachlorobutadiene	1110	250	ug/kg	2500	ND	44	65-145			M2
Isopropylbenzene	1780	100	ug/kg	2500	ND	71	60-140			
p-Isopropyltoluene	1670	100	ug/kg	2500	61	64	60-145			
Methylene chloride	2210	1000	ug/kg	2500	ND	88	50-155			
Naphthalene	2220	250	ug/kg	2500	180	82	30-165			
n-Propylbenzene	1820	100	ug/kg	2500	53	71	60-145			
Styrene	2050	100	ug/kg	2500	ND	82	60-145			
1,1,1,2-Tetrachloroethane	2060	250	ug/kg	2500	ND	82	65-145			
1,1,2,2-Tetrachloroethane	1950	100	ug/kg	2500	ND	78	60-150			
Tetrachloroethene	1790	100	ug/kg	2500	ND	72	65-145			
Toluene	2220	100	ug/kg	2500	94	85	60-145			
1,2,3-Trichlorobenzene	2010	250	ug/kg	2500	ND	80	45-145			
1,2,4-Trichlorobenzene	1970	250	ug/kg	2500	ND	79	60-140			
1,1,1-Trichloroethane	1930	100	ug/kg	2500	ND	77	65-140			
1,1,2-Trichloroethane	2300	100	ug/kg	2500	ND	92	60-140			
Trichloroethene	2220	100	ug/kg	2500	ND	89	70-150			
Trichlorofluoromethane	1790	250	ug/kg	2500	ND	72	35-165			
1,2,3-Trichloropropane	1770	500	ug/kg	2500	ND	71	50-150			
1,2,4-Trimethylbenzene	2160	100	ug/kg	2500	540	65	70-135			M2
1,3,5-Trimethylbenzene	1750	100	ug/kg	2500	110	66	70-135			M2
Vinyl chloride	703	250	ug/kg	2500	ND	28	10-120			
o-Xylene	2020	100	ug/kg	2500	53	79	60-145			
m,p-Xylenes	4070	100	ug/kg	5000	110	79	60-140			
Surrogate: Dibromofluoromethane	2180		ug/kg	2500		87	50-160			
Surrogate: Toluene-d8	2160		ug/kg	2500		86	60-160			
Surrogate: 4-Bromofluorobenzene	2000		ug/kg	2500		80	60-150			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
Matrix Spike Dup Analyzed: 07/06/04 (4G07012-MSD1)					Source: INF1736-03					
Benzene	2310	100	ug/kg	2500	ND	92	60-140	4	25	
Bromobenzene	2000	250	ug/kg	2500	ND	80	65-130	6	25	
Bromochloromethane	2620	250	ug/kg	2500	ND	105	60-145	7	25	
Bromodichloromethane	2290	100	ug/kg	2500	ND	92	65-150	2	25	
Bromoform	2080	250	ug/kg	2500	ND	83	55-150	10	30	
Bromomethane	2120	250	ug/kg	2500	ND	85	30-160	2	30	
n-Butylbenzene	1940	250	ug/kg	2500	ND	78	60-150	6	25	
sec-Butylbenzene	1770	250	ug/kg	2500	69	68	65-145	6	25	
tert-Butylbenzene	1750	250	ug/kg	2500	ND	70	60-150	6	20	
Carbon tetrachloride	1880	250	ug/kg	2500	ND	75	70-140	3	20	
Chlorobenzene	2150	100	ug/kg	2500	ND	86	70-140	5	25	
Chloroethane	2310	250	ug/kg	2500	ND	92	30-170	4	35	
Chloroform	2250	100	ug/kg	2500	ND	90	60-140	3	25	
Chloromethane	2040	250	ug/kg	2500	ND	82	30-160	3	30	
2-Chlorotoluene	1820	250	ug/kg	2500	ND	73	60-140	5	25	
4-Chlorotoluene	1940	250	ug/kg	2500	ND	78	70-135	6	20	
Dibromochloromethane	2400	100	ug/kg	2500	ND	96	60-150	12	25	
1,2-Dibromo-3-chloropropane	1950	250	ug/kg	2500	ND	78	40-150	22	30	
1,2-Dibromoethane (EDB)	2210	100	ug/kg	2500	ND	88	65-140	11	25	
Dibromomethane	2380	100	ug/kg	2500	ND	95	65-140	3	20	
1,2-Dichlorobenzene	2090	100	ug/kg	2500	ND	84	70-130	7	20	
1,3-Dichlorobenzene	1920	100	ug/kg	2500	ND	77	60-155	4	25	
1,4-Dichlorobenzene	1970	100	ug/kg	2500	ND	79	55-150	6	25	
Dichlorodifluoromethane	1560	250	ug/kg	2500	ND	62	10-160	1	35	
1,1-Dichloroethane	2380	100	ug/kg	2500	ND	95	60-155	6	25	
1,2-Dichloroethane	2210	100	ug/kg	2500	ND	88	55-150	7	30	
1,1-Dichloroethene	2260	250	ug/kg	2500	ND	90	60-165	4	25	
cis-1,2-Dichloroethene	2460	100	ug/kg	2500	ND	98	60-135	7	25	
trans-1,2-Dichloroethene	2410	100	ug/kg	2500	ND	96	50-155	7	25	
1,2-Dichloropropane	2490	100	ug/kg	2500	ND	100	65-135	4	20	
1,3-Dichloropropane	2300	100	ug/kg	2500	ND	92	65-135	9	20	
2,2-Dichloropropane	2090	100	ug/kg	2500	ND	84	60-150	1	20	
1,1-Dichloropropene	2050	100	ug/kg	2500	ND	82	60-140	1	20	
cis-1,3-Dichloropropene	2500	100	ug/kg	2500	ND	100	60-135	7	25	
trans-1,3-Dichloropropene	2270	100	ug/kg	2500	ND	91	55-155	7	25	

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 Kathleen A. Robb
 Project Manager



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G07012 Extracted: 07/06/04										
Matrix Spike Dup Analyzed: 07/06/04 (4G07012-MSD1)					Source: INF1736-03					
Ethylbenzene	2140	100	ug/kg	2500	49	84	60-140	5	25	
Hexachlorobutadiene	1220	250	ug/kg	2500	ND	49	65-145	9	25	M2
Isopropylbenzene	1860	100	ug/kg	2500	ND	74	60-140	4	25	
p-Isopropyltoluene	1760	100	ug/kg	2500	61	68	60-145	5	25	
Methylene chloride	2390	1000	ug/kg	2500	ND	96	50-155	8	25	
Naphthalene	2610	250	ug/kg	2500	180	97	30-165	16	30	
n-Propylbenzene	1930	100	ug/kg	2500	53	75	60-145	6	25	
Styrene	2140	100	ug/kg	2500	ND	86	60-145	4	20	
1,1,1,2-Tetrachloroethane	2190	250	ug/kg	2500	ND	88	65-145	6	20	
1,1,2,2-Tetrachloroethane	2240	100	ug/kg	2500	ND	90	60-150	14	20	
Tetrachloroethene	1870	100	ug/kg	2500	ND	75	65-145	4	25	
Toluene	2340	100	ug/kg	2500	94	90	60-145	5	25	
1,2,3-Trichlorobenzene	2190	250	ug/kg	2500	ND	88	45-145	9	30	
1,2,4-Trichlorobenzene	2080	250	ug/kg	2500	ND	83	60-140	5	25	
1,1,1-Trichloroethane	2020	100	ug/kg	2500	ND	81	65-140	5	25	
1,1,2-Trichloroethane	2660	100	ug/kg	2500	ND	106	60-140	15	20	
Trichloroethene	2280	100	ug/kg	2500	ND	91	70-150	3	25	
Trichlorofluoromethane	1880	250	ug/kg	2500	ND	75	35-165	5	30	
1,2,3-Trichloropropane	2110	500	ug/kg	2500	ND	84	50-150	18	20	
1,2,4-Trimethylbenzene	2380	100	ug/kg	2500	540	74	70-135	10	20	
1,3,5-Trimethylbenzene	1840	100	ug/kg	2500	110	69	70-135	5	25	M2
Vinyl chloride	625	250	ug/kg	2500	ND	25	10-120	12	35	
o-Xylene	2160	100	ug/kg	2500	53	84	60-145	7	25	
m,p-Xylenes	4280	100	ug/kg	5000	110	83	60-140	5	25	
Surrogate: Dibromofluoromethane	2260		ug/kg	2500		90	50-160			
Surrogate: Toluene-d8	2240		ug/kg	2500		90	60-160			
Surrogate: 4-Bromofluorobenzene	2150		ug/kg	2500		86	60-150			

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 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G07023 Extracted: 07/07/04										
Blank Analyzed: 07/07/04 (4G07023-BLK1)										
1,3-butadiene	ND	12000	ug/kg							
Acrylonitrile	ND	12000	ug/kg							
Batch: 4G09012 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09012-BLK1)										
Acrylonitrile	ND	12000	ug/kg							
1,3-butadiene	ND	12000	ug/kg							

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 Project Manager



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G09084 Extracted: 07/09/04										
Blank Analyzed: 07/13/04 (4G09084-BLK1)										
Acenaphthene	ND	1100	ug/kg							
Acenaphthylene	ND	1100	ug/kg							
Aniline	ND	1400	ug/kg							
Anthracene	ND	1100	ug/kg							
Benzidine	ND	2200	ug/kg							
Benzoic acid	ND	2800	ug/kg							
Benzo(a)anthracene	ND	1100	ug/kg							
Benzo(b)fluoranthene	ND	1100	ug/kg							
Benzo(k)fluoranthene	ND	1100	ug/kg							
Benzo(g,h,i)perylene	ND	1100	ug/kg							
Benzo(a)pyrene	ND	1100	ug/kg							
Benzyl alcohol	ND	1100	ug/kg							
Bis(2-chloroethoxy)methane	ND	1100	ug/kg							
Bis(2-chloroethyl)ether	ND	570	ug/kg							
Bis(2-chloroisopropyl)ether	ND	1100	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	1100	ug/kg							
4-Bromophenyl phenyl ether	ND	1100	ug/kg							
Butyl benzyl phthalate	ND	1100	ug/kg							
4-Chloroaniline	ND	1100	ug/kg							
2-Chloronaphthalene	ND	1100	ug/kg							
4-Chloro-3-methylphenol	ND	1100	ug/kg							
2-Chlorophenol	ND	1100	ug/kg							
4-Chlorophenyl phenyl ether	ND	1100	ug/kg							
Chrysene	ND	1100	ug/kg							
Dibenz(a,h)anthracene	ND	1400	ug/kg							
Dibenzofuran	ND	1100	ug/kg							
Di-n-butyl phthalate	ND	1100	ug/kg							
1,3-Dichlorobenzene	ND	1100	ug/kg							
1,4-Dichlorobenzene	ND	1100	ug/kg							
1,2-Dichlorobenzene	ND	1100	ug/kg							
3,3-Dichlorobenzidine	ND	2800	ug/kg							
2,4-Dichlorophenol	ND	1100	ug/kg							
Diethyl phthalate	ND	1100	ug/kg							
2,4-Dimethylphenol	ND	1100	ug/kg							
Dimethyl phthalate	ND	1100	ug/kg							

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 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09084 Extracted: 07/09/04										
Blank Analyzed: 07/13/04 (4G09084-BLK1)										
4,6-Dinitro-2-methylphenol	ND	1400	ug/kg							
2,4-Dinitrophenol	ND	1400	ug/kg							
2,4-Dinitrotoluene	ND	1100	ug/kg							
2,6-Dinitrotoluene	ND	1100	ug/kg							
Di-n-octyl phthalate	ND	1100	ug/kg							
Fluoranthene	ND	1100	ug/kg							
Fluorene	ND	1100	ug/kg							
Hexachlorobenzene	ND	1100	ug/kg							
Hexachlorobutadiene	ND	1100	ug/kg							
Hexachlorocyclopentadiene	ND	2800	ug/kg							
Hexachloroethane	ND	1100	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	1100	ug/kg							
Isophorone	ND	1100	ug/kg							
2-Methylnaphthalene	ND	1100	ug/kg							
2-Methylphenol	ND	1100	ug/kg							
4-Methylphenol	ND	1100	ug/kg							
Naphthalene	ND	1100	ug/kg							
2-Nitroaniline	ND	1100	ug/kg							
3-Nitroaniline	ND	1100	ug/kg							
4-Nitroaniline	ND	2800	ug/kg							
Nitrobenzene	ND	1100	ug/kg							
2-Nitrophenol	ND	1100	ug/kg							
4-Nitrophenol	ND	2800	ug/kg							
N-Nitrosodiphenylamine	ND	1100	ug/kg							
N-Nitroso-di-n-propylamine	ND	830	ug/kg							
Pentachlorophenol	ND	2800	ug/kg							
Phenanthrene	ND	1100	ug/kg							
Phenol	ND	1100	ug/kg							
Pyrene	ND	1100	ug/kg							
1,2,4-Trichlorobenzene	ND	1100	ug/kg							
2,4,5-Trichlorophenol	ND	1100	ug/kg							
2,4,6-Trichlorophenol	ND	1100	ug/kg							
1,2-Diphenylhydrazine/Azobenzene	ND	1100	ug/kg							
Surrogate: 2-Fluorophenol	4090		ug/kg	6670		61	25-120			
Surrogate: Phenol-d6	4200		ug/kg	6670		63	30-120			

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 Project Manager



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09084 Extracted: 07/09/04										
Blank Analyzed: 07/13/04 (4G09084-BLK1)										
Surrogate: 2,4,6-Tribromophenol	5260		ug/kg	6670		79	35-120			
Surrogate: Nitrobenzene-d5	2430		ug/kg	3330		73	30-120			
Surrogate: 2-Fluorobiphenyl	2570		ug/kg	3330		77	35-120			
Surrogate: Terphenyl-d14	2810		ug/kg	3330		84	35-155			
LCS Analyzed: 07/13/04 (4G09084-BS1)										
Acenaphthene	2540	1100	ug/kg	3330		76	55-120			M-NR
Acenaphthylene	2990	1100	ug/kg	3330		90	55-120			
Aniline	1930	1400	ug/kg	3330		58	30-120			
Anthracene	3330	1100	ug/kg	3330		100	55-120			
Benzdine	2380	2200	ug/kg	3330		71	10-180			
Benzoic acid	1910	2800	ug/kg	3330		57	30-125			
Benzo(a)anthracene	3170	1100	ug/kg	3330		95	65-120			
Benzo(b)fluoranthene	2690	1100	ug/kg	3330		81	65-120			
Benzo(k)fluoranthene	2690	1100	ug/kg	3330		81	60-120			
Benzo(g,h,i)perylene	2780	1100	ug/kg	3330		83	25-160			
Benzo(a)pyrene	2840	1100	ug/kg	3330		85	60-120			
Benzyl alcohol	2140	1100	ug/kg	3330		64	40-130			
Bis(2-chloroethoxy)methane	2250	1100	ug/kg	3330		68	50-120			
Bis(2-chloroethyl)ether	2010	570	ug/kg	3330		60	40-120			
Bis(2-chloroisopropyl)ether	2240	1100	ug/kg	3330		67	40-120			
Bis(2-ethylhexyl)phthalate	3250	1100	ug/kg	3330		98	65-125			
4-Bromophenyl phenyl ether	2710	1100	ug/kg	3330		81	50-125			
Butyl benzyl phthalate	3140	1100	ug/kg	3330		94	65-120			
4-Chloroaniline	2030	1100	ug/kg	3330		61	20-120			
2-Chloronaphthalene	2460	1100	ug/kg	3330		74	50-120			
4-Chloro-3-methylphenol	2940	1100	ug/kg	3330		88	50-120			
2-Chlorophenol	1950	1100	ug/kg	3330		59	45-120			
4-Chlorophenyl phenyl ether	2930	1100	ug/kg	3330		88	55-120			
Chrysene	3180	1100	ug/kg	3330		95	60-120			
Dibenz(a,h)anthracene	2850	1400	ug/kg	3330		86	25-160			
Dibenzofuran	2620	1100	ug/kg	3330		79	55-120			
Di-n-butyl phthalate	3520	1100	ug/kg	3330		106	60-120			
1,3-Dichlorobenzene	1820	1100	ug/kg	3330		55	40-120			
1,4-Dichlorobenzene	1660	1100	ug/kg	3330		50	40-120			
1,2-Dichlorobenzene	1860	1100	ug/kg	3330		56	40-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09084 Extracted: 07/09/04										
LCS Analyzed: 07/13/04 (4G09084-BS1)										
M-NR										
3,3-Dichlorobenzidine	3080	2800	ug/kg	3330		92	20-170			
2,4-Dichlorophenol	2260	1100	ug/kg	3330		68	55-120			
Diethyl phthalate	3020	1100	ug/kg	3330		91	55-120			
2,4-Dimethylphenol	2220	1100	ug/kg	3330		67	45-120			
Dimethyl phthalate	3040	1100	ug/kg	3330		91	60-120			
4,6-Dinitro-2-methylphenol	2410	1400	ug/kg	3330		72	50-120			
2,4-Dinitrophenol	1640	1400	ug/kg	3330		49	25-140			
2,4-Dinitrotoluene	3010	1100	ug/kg	3330		90	60-140			
2,6-Dinitrotoluene	2990	1100	ug/kg	3330		90	60-125			
Di-n-octyl phthalate	3610	1100	ug/kg	3330		108	60-135			
Fluoranthene	3140	1100	ug/kg	3330		94	55-130			
Fluorene	3040	1100	ug/kg	3330		91	55-120			
Hexachlorobenzene	2760	1100	ug/kg	3330		83	45-120			
Hexachlorobutadiene	2040	1100	ug/kg	3330		61	40-120			
Hexachlorocyclopentadiene	1750	2800	ug/kg	3330		53	45-130			
Hexachloroethane	1920	1100	ug/kg	3330		58	40-120			
Indeno(1,2,3-cd)pyrene	2790	1100	ug/kg	3330		84	25-150			
Isophorone	2260	1100	ug/kg	3330		68	45-120			
2-Methylnaphthalene	2580	1100	ug/kg	3330		77	50-120			
2-Methylphenol	2090	1100	ug/kg	3330		63	50-120			
4-Methylphenol	2050	1100	ug/kg	3330		62	50-120			
Naphthalene	2490	1100	ug/kg	3330		75	45-120			
2-Nitroaniline	3420	1100	ug/kg	3330		103	55-130			
3-Nitroaniline	2780	1100	ug/kg	3330		83	40-140			
4-Nitroaniline	3000	2800	ug/kg	3330		90	40-160			
Nitrobenzene	2270	1100	ug/kg	3330		68	45-120			
2-Nitrophenol	2150	1100	ug/kg	3330		65	50-120			
4-Nitrophenol	2330	2800	ug/kg	3330		70	45-135			
N-Nitrosodiphenylamine	2610	1100	ug/kg	3330		78	55-120			
N-Nitroso-di-n-propylamine	2240	830	ug/kg	3330		67	45-120			
Pentachlorophenol	2320	2800	ug/kg	3330		70	50-120			
Phenanthrene	3220	1100	ug/kg	3330		97	55-120			
Phenol	1900	1100	ug/kg	3330		57	45-120			
Pyrene	3530	1100	ug/kg	3330		106	50-120			
1,2,4-Trichlorobenzene	2040	1100	ug/kg	3330		61	45-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09084 Extracted: 07/09/04										
LCS Analyzed: 07/13/04 (4G09084-BS1)										
2,4,5-Trichlorophenol	2890	1100	ug/kg	3330		87	55-120			M-NR
2,4,6-Trichlorophenol	2640	1100	ug/kg	3330		79	55-120			
1,2-Diphenylhydrazine/Azobenzene	3330	1100	ug/kg	3330		100	60-120			
Surrogate: 2-Fluorophenol	2560		ug/kg	6670		38	25-120			
Surrogate: Phenol-d6	3410		ug/kg	6670		51	30-120			
Surrogate: 2,4,6-Tribromophenol	5450		ug/kg	6670		82	35-120			
Surrogate: Nitrobenzene-d5	1730		ug/kg	3330		52	30-120			
Surrogate: 2-Fluorobiphenyl	2480		ug/kg	3330		74	35-120			
Surrogate: Terphenyl-d14	3090		ug/kg	3330		93	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	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G08041 Extracted: 07/08/04										
Blank Analyzed: 07/08/04 (4G08041-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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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G08041 Extracted: 07/08/04										
Blank Analyzed: 07/08/04 (4G08041-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	3960		ug/kg	6670		59	25-120			
Surrogate: Phenol-d6	4010		ug/kg	6670		60	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: 4G08041 Extracted: 07/08/04										
Blank Analyzed: 07/08/04 (4G08041-BLK1)										
Surrogate: 2,4,6-Tribromophenol	5090		ug/kg	6670		76	35-120			
Surrogate: Nitrobenzene-d5	2220		ug/kg	3330		67	30-120			
Surrogate: 2-Fluorobiphenyl	2540		ug/kg	3330		76	35-120			
Surrogate: Terphenyl-d14	2860		ug/kg	3330		86	35-155			
LCS Analyzed: 07/08/04 (4G08041-BS1)										
Acenaphthene	3020	330	ug/kg	3330		91	55-120			
Acenaphthylene	3570	330	ug/kg	3330		107	55-120			
Aniline	2400	420	ug/kg	3330		72	30-120			
Anthracene	3630	330	ug/kg	3330		109	55-120			
Benzidine	1930	660	ug/kg	3330		58	10-180			
Benzoic acid	1670	830	ug/kg	3330		50	30-125			
Benzo(a)anthracene	3270	330	ug/kg	3330		98	65-120			
Benzo(b)fluoranthene	2570	330	ug/kg	3330		77	65-120			
Benzo(k)fluoranthene	2260	330	ug/kg	3330		68	60-120			
Benzo(g,h,i)perylene	2640	330	ug/kg	3330		79	25-160			
Benzo(a)pyrene	2580	330	ug/kg	3330		77	60-120			
Benzyl alcohol	3000	330	ug/kg	3330		90	40-130			
Bis(2-chloroethoxy)methane	3070	330	ug/kg	3330		92	50-120			
Bis(2-chloroethyl)ether	3010	170	ug/kg	3330		90	40-120			
Bis(2-chloroisopropyl)ether	3390	330	ug/kg	3330		102	40-120			
Bis(2-ethylhexyl)phthalate	3220	330	ug/kg	3330		97	65-125			
4-Bromophenyl phenyl ether	2880	330	ug/kg	3330		86	50-125			
Butyl benzyl phthalate	3110	330	ug/kg	3330		93	65-120			
4-Chloroaniline	2330	330	ug/kg	3330		70	20-120			
2-Chloronaphthalene	2870	330	ug/kg	3330		86	50-120			
4-Chloro-3-methylphenol	3490	330	ug/kg	3330		105	50-120			
2-Chlorophenol	2830	330	ug/kg	3330		85	45-120			
4-Chlorophenyl phenyl ether	3420	330	ug/kg	3330		103	55-120			
Chrysene	3180	330	ug/kg	3330		95	60-120			
Dibenz(a,h)anthracene	2720	420	ug/kg	3330		82	25-160			
Dibenzofuran	3040	330	ug/kg	3330		91	55-120			
Di-n-butyl phthalate	3690	330	ug/kg	3330		111	60-120			
1,3-Dichlorobenzene	2460	330	ug/kg	3330		74	40-120			
1,4-Dichlorobenzene	2600	330	ug/kg	3330		78	40-120			
1,2-Dichlorobenzene	2720	330	ug/kg	3330		82	40-120			

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

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 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

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

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 Kathleen A. Robb
 Project Manager

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

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

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 Kathleen A. Robb
 Project Manager



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

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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 Huntington Beach, CA 92648
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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: 4G08041 Extracted: 07/08/04										
Matrix Spike Dup Analyzed: 07/09/04 (4G08041-MSD1)					Source: ING0084-08					
4-Chloro-3-methylphenol	3080	330	ug/kg	3330	ND	92	45-125	3	20	
2-Chlorophenol	2100	330	ug/kg	3330	ND	63	40-120	10	20	
4-Chlorophenyl phenyl ether	2920	330	ug/kg	3330	ND	88	55-120	7	20	
Chrysene	2940	330	ug/kg	3330	ND	88	60-120	3	20	
Dibenz(a,h)anthracene	2330	420	ug/kg	3330	ND	70	25-160	4	25	
Dibenzofuran	2590	330	ug/kg	3330	ND	78	55-120	7	20	
Di-n-butyl phthalate	3110	330	ug/kg	3330	ND	93	60-120	17	20	
1,3-Dichlorobenzene	1660	330	ug/kg	3330	ND	50	35-120	16	25	
1,4-Dichlorobenzene	1890	330	ug/kg	3330	ND	57	40-120	11	25	
1,2-Dichlorobenzene	1960	330	ug/kg	3330	ND	59	40-120	12	20	
3,3-Dichlorobenzidine	1300	830	ug/kg	3330	ND	39	20-170	39	25	R
2,4-Dichlorophenol	2220	330	ug/kg	3330	ND	67	40-120	7	20	
Diethyl phthalate	3040	330	ug/kg	3330	ND	91	55-120	7	20	
2,4-Dimethylphenol	1990	330	ug/kg	3330	ND	60	35-120	5	25	
Dimethyl phthalate	2950	330	ug/kg	3330	ND	89	50-120	7	20	
4,6-Dinitro-2-methylphenol	1560	420	ug/kg	3330	ND	47	40-120	20	20	
2,4-Dinitrophenol	579	420	ug/kg	3330	ND	17	20-140	3	25	M2
2,4-Dinitrotoluene	2960	330	ug/kg	3330	ND	89	55-140	7	20	
2,6-Dinitrotoluene	2770	330	ug/kg	3330	ND	83	55-125	10	20	
Di-n-octyl phthalate	3240	330	ug/kg	3330	ND	97	45-140	5	20	
Fluoranthene	2850	330	ug/kg	3330	ND	86	45-130	10	20	
Fluorene	3020	330	ug/kg	3330	ND	91	55-120	7	20	
Hexachlorobenzene	2510	330	ug/kg	3330	ND	75	35-120	12	25	
Hexachlorobutadiene	2080	330	ug/kg	3330	ND	62	40-120	13	20	
Hexachlorocyclopentadiene	373	830	ug/kg	3330	ND	11	30-145		30	M2
Hexachloroethane	1770	330	ug/kg	3330	ND	53	40-120	14	20	
Indeno(1,2,3-cd)pyrene	2350	330	ug/kg	3330	ND	71	25-150	1	25	
Isophorone	2350	330	ug/kg	3330	ND	71	40-120	10	20	
2-Methylnaphthalene	2730	330	ug/kg	3330	ND	82	40-120	8	20	
2-Methylphenol	2170	330	ug/kg	3330	ND	65	40-120	9	20	
4-Methylphenol	2130	330	ug/kg	3330	ND	64	40-120	11	20	
Naphthalene	2540	330	ug/kg	3330	ND	76	40-120	12	20	
2-Nitroaniline	3290	330	ug/kg	3330	ND	99	55-130	6	20	
3-Nitroaniline	2480	330	ug/kg	3330	ND	74	40-140	2	25	
4-Nitroaniline	2320	830	ug/kg	3330	ND	70	40-160	22	20	R

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 Kathleen A. Robb
 Project Manager

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

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 Kathleen A. Robb
 Project Manager



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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G06032 Extracted: 07/06/04										
Blank Analyzed: 07/07/04 (4G06032-BLK1)										
Aldrin	ND	5.0	ug/kg							
alpha-BHC	ND	5.0	ug/kg							
beta-BHC	ND	5.0	ug/kg							
delta-BHC	ND	10	ug/kg							
gamma-BHC (Lindane)	ND	5.0	ug/kg							
Chlordane	ND	50	ug/kg							
4,4'-DDD	ND	5.0	ug/kg							
4,4'-DDE	ND	5.0	ug/kg							
4,4'-DDT	ND	5.0	ug/kg							
Dieldrin	ND	5.0	ug/kg							
Endosulfan I	ND	5.0	ug/kg							
Endosulfan II	ND	5.0	ug/kg							
Endosulfan sulfate	ND	10	ug/kg							
Endrin	ND	5.0	ug/kg							
Endrin aldehyde	ND	5.0	ug/kg							
Endrin ketone	ND	5.0	ug/kg							
Heptachlor	ND	5.0	ug/kg							
Heptachlor epoxide	ND	5.0	ug/kg							
Methoxychlor	ND	5.0	ug/kg							
Toxaphene	ND	200	ug/kg							
Surrogate: Tetrachloro-m-xylene	20.9		ug/kg	33.3		63	35-115			
Surrogate: Decachlorobiphenyl	23.2		ug/kg	33.3		70	45-120			
LCS Analyzed: 07/07/04 (4G06032-BS1)										
Aldrin	21.9	5.0	ug/kg	33.3		66	50-115			
alpha-BHC	21.8	5.0	ug/kg	33.3		65	55-115			
beta-BHC	25.7	5.0	ug/kg	33.3		77	55-115			
delta-BHC	26.0	10	ug/kg	33.3		78	60-115			
gamma-BHC (Lindane)	23.2	5.0	ug/kg	33.3		70	50-115			
4,4'-DDD	29.0	5.0	ug/kg	33.3		87	60-115			
4,4'-DDE	25.5	5.0	ug/kg	33.3		77	60-115			
4,4'-DDT	27.3	5.0	ug/kg	33.3		82	65-120			
Dieldrin	26.7	5.0	ug/kg	33.3		80	60-115			
Endosulfan I	25.7	5.0	ug/kg	33.3		77	60-115			
Endosulfan II	26.5	5.0	ug/kg	33.3		80	60-115			
Endosulfan sulfate	29.3	10	ug/kg	33.3		88	65-115			

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 Kathleen A. Robb
 Project Manager

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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G06032 Extracted: 07/06/04										
LCS Analyzed: 07/07/04 (4G06032-BS1)										
Endrin	26.4	5.0	ug/kg	33.3		79	60-115			
Endrin aldehyde	24.3	5.0	ug/kg	33.3		73	55-115			
Endrin ketone	27.3	5.0	ug/kg	33.3		82	60-115			
Heptachlor	24.4	5.0	ug/kg	33.3		73	50-115			
Heptachlor epoxide	25.4	5.0	ug/kg	33.3		76	55-115			
Methoxychlor	28.9	5.0	ug/kg	33.3		87	60-120			
Surrogate: Tetrachloro- <i>m</i> -xylene	21.0		ug/kg	33.3		63	35-115			
Surrogate: Decachlorobiphenyl	26.7		ug/kg	33.3		80	45-120			
LCS Dup Analyzed: 07/07/04 (4G06032-BSD1)										
Aldrin	21.0	5.0	ug/kg	33.3		63	50-115	4	20	M-NR
alpha-BHC	21.4	5.0	ug/kg	33.3		64	55-115	2	20	
beta-BHC	24.9	5.0	ug/kg	33.3		75	55-115	3	20	
delta-BHC	24.6	10	ug/kg	33.3		74	60-115	6	20	
gamma-BHC (Lindane)	22.5	5.0	ug/kg	33.3		68	50-115	3	20	
4,4'-DDD	28.3	5.0	ug/kg	33.3		85	60-115	2	20	
4,4'-DDE	24.4	5.0	ug/kg	33.3		73	60-115	4	20	
4,4'-DDT	26.6	5.0	ug/kg	33.3		80	65-120	3	20	
Dieldrin	25.4	5.0	ug/kg	33.3		76	60-115	5	20	
Endosulfan I	24.3	5.0	ug/kg	33.3		73	60-115	6	20	
Endosulfan II	25.7	5.0	ug/kg	33.3		77	60-115	3	20	
Endosulfan sulfate	27.9	10	ug/kg	33.3		84	65-115	5	20	
Endrin	25.3	5.0	ug/kg	33.3		76	60-115	4	20	
Endrin aldehyde	23.2	5.0	ug/kg	33.3		70	55-115	5	20	
Endrin ketone	26.5	5.0	ug/kg	33.3		80	60-115	3	20	
Heptachlor	23.6	5.0	ug/kg	33.3		71	50-115	3	20	
Heptachlor epoxide	24.2	5.0	ug/kg	33.3		73	55-115	5	20	
Methoxychlor	28.5	5.0	ug/kg	33.3		86	60-120	1	20	
Surrogate: Tetrachloro- <i>m</i> -xylene	21.0		ug/kg	33.3		63	35-115			
Surrogate: Decachlorobiphenyl	25.6		ug/kg	33.3		77	45-120			

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G06032 Extracted: 07/06/04										
Blank Analyzed: 07/07/04 (4G06032-BLK2)										
Aroclor 1016	ND	50	ug/kg							
Aroclor 1221	ND	50	ug/kg							
Aroclor 1232	ND	50	ug/kg							
Aroclor 1242	ND	50	ug/kg							
Aroclor 1248	ND	50	ug/kg							
Aroclor 1254	ND	50	ug/kg							
Aroclor 1260	ND	50	ug/kg							
Surrogate: Decachlorobiphenyl	24.2		ug/kg	33.3		73	45-120			
LCS Analyzed: 07/07/04 (4G06032-BS2)										
Aroclor 1016	212	50	ug/kg	267		79	55-115			
Aroclor 1260	192	50	ug/kg	267		72	55-115			
Surrogate: Decachlorobiphenyl	23.9		ug/kg	33.3		72	45-120			
Matrix Spike Analyzed: 07/07/04 (4G06032-MS2) Source: INF1890-01										
Aroclor 1016	207	50	ug/kg	267	ND	78	50-115			
Aroclor 1260	190	50	ug/kg	267	ND	71	50-120			
Surrogate: Decachlorobiphenyl	22.6		ug/kg	33.3		68	45-120			
Matrix Spike Dup Analyzed: 07/07/04 (4G06032-MSD2) Source: INF1890-01										
Aroclor 1016	234	50	ug/kg	267	ND	88	50-115	12	30	
Aroclor 1260	213	50	ug/kg	267	ND	80	50-120	11	30	
Surrogate: Decachlorobiphenyl	25.4		ug/kg	33.3		76	45-120			

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 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits RPD	RPD Limit	Data Qualifiers
Batch: 4G07088 Extracted: 07/07/04									
Blank Analyzed: 07/08/04 (4G07088-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: 07/08/04 (4G07088-BS1)									
Antimony	48.2	10	mg/kg	50.0		96	80-120		
Arsenic	45.2	2.0	mg/kg	50.0		90	80-120		
Barium	46.2	1.0	mg/kg	50.0		92	80-120		
Beryllium	45.2	0.50	mg/kg	50.0		90	80-120		
Cadmium	44.6	0.50	mg/kg	50.0		89	80-120		
Chromium	45.7	1.0	mg/kg	50.0		91	80-120		
Cobalt	45.2	1.0	mg/kg	50.0		90	80-120		
Copper	43.4	2.0	mg/kg	50.0		87	80-120		
Lead	45.9	2.0	mg/kg	50.0		92	80-120		
Molybdenum	45.9	2.0	mg/kg	50.0		92	80-120		
Nickel	44.5	2.0	mg/kg	50.0		89	80-120		
Selenium	43.2	2.0	mg/kg	50.0		86	80-120		
Silver	22.7	1.0	mg/kg	25.0		91	80-120		
Thallium	45.6	10	mg/kg	50.0		91	80-120		
Vanadium	47.0	1.0	mg/kg	50.0		94	80-120		
Zinc	43.9	5.0	mg/kg	50.0		88	80-120		

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G07088 Extracted: 07/07/04										
Matrix Spike Analyzed: 07/08/04 (4G07088-MS1)					Source: INF1839-06					
Antimony	21.7	20	mg/kg	50.0	ND	43	75-125			M2
Arsenic	47.3	4.0	mg/kg	50.0	1.5	92	75-125			
Barium	205	2.0	mg/kg	50.0	150	110	75-125			
Beryllium	46.4	1.0	mg/kg	50.0	0.32	92	75-125			
Cadmium	45.2	1.0	mg/kg	50.0	ND	90	75-125			
Chromium	62.4	2.0	mg/kg	50.0	16	93	75-125			
Cobalt	49.4	2.0	mg/kg	50.0	4.3	90	75-125			
Copper	57.6	4.0	mg/kg	50.0	15	85	75-125			
Lead	49.6	4.0	mg/kg	50.0	3.2	93	75-125			
Molybdenum	43.5	4.0	mg/kg	50.0	ND	87	75-125			
Nickel	52.0	4.0	mg/kg	50.0	5.2	94	75-125			
Selenium	44.3	4.0	mg/kg	50.0	ND	89	75-125			
Silver	22.8	2.0	mg/kg	25.0	ND	91	75-125			
Thallium	42.7	20	mg/kg	50.0	ND	85	75-125			
Vanadium	89.2	2.0	mg/kg	50.0	40	98	75-125			
Zinc	97.6	10	mg/kg	50.0	51	93	75-125			
Matrix Spike Dup Analyzed: 07/08/04 (4G07088-MSD1)					Source: INF1839-06					
Antimony	17.1	20	mg/kg	50.0	ND	34	75-125	24	20	M2, R-3
Arsenic	45.4	4.0	mg/kg	50.0	1.5	88	75-125	4	20	
Barium	204	2.0	mg/kg	50.0	150	108	75-125	1	20	
Beryllium	44.6	1.0	mg/kg	50.0	0.32	89	75-125	4	20	
Cadmium	43.6	1.0	mg/kg	50.0	ND	87	75-125	4	20	
Chromium	60.6	2.0	mg/kg	50.0	16	89	75-125	3	20	
Cobalt	47.6	2.0	mg/kg	50.0	4.3	87	75-125	4	20	
Copper	58.5	4.0	mg/kg	50.0	15	87	75-125	2	20	
Lead	47.7	4.0	mg/kg	50.0	3.2	89	75-125	4	20	
Molybdenum	41.6	4.0	mg/kg	50.0	ND	83	75-125	4	20	
Nickel	50.2	4.0	mg/kg	50.0	5.2	90	75-125	4	20	
Selenium	42.3	4.0	mg/kg	50.0	ND	85	75-125	5	20	
Silver	22.0	2.0	mg/kg	25.0	ND	88	75-125	4	20	
Thallium	40.7	20	mg/kg	50.0	ND	81	75-125	5	20	
Vanadium	87.8	2.0	mg/kg	50.0	40	96	75-125	2	20	
Zinc	98.0	10	mg/kg	50.0	51	94	75-125	0	20	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 4G09083 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09083-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 07/09/04 (4G09083-BS1)										
Mercury	0.790	0.020	mg/kg	0.800		99	85-120			
Matrix Spike Analyzed: 07/09/04 (4G09083-MS1)										
					Source: INF1891-01					
Mercury	0.935	0.020	mg/kg	0.800	0.10	104	65-135			
Matrix Spike Dup Analyzed: 07/09/04 (4G09083-MSD1)										
					Source: INF1891-01					
Mercury	0.911	0.020	mg/kg	0.800	0.10	101	65-135	3	20	
Batch: 4G09098 Extracted: 07/09/04										
Blank Analyzed: 07/09/04 (4G09098-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 07/09/04 (4G09098-BS1)										
Mercury	0.844	0.020	mg/kg	0.800		106	85-120			
Matrix Spike Analyzed: 07/09/04 (4G09098-MS1)										
					Source: INF1881-18					
Mercury	0.863	0.020	mg/kg	0.800	0.021	105	65-135			
Matrix Spike Dup Analyzed: 07/09/04 (4G09098-MSD1)										
					Source: INF1881-18					
Mercury	0.866	0.020	mg/kg	0.800	0.021	106	65-135	0	20	

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
 Huntington Beach, CA 92648
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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: 4G08065 Extracted: 07/08/04										
Blank Analyzed: 07/08/04 (4G08065-BLK1)										
Organic Lead	ND	25	ug/kg							
LCS Analyzed: 07/08/04 (4G08065-BS1)										
Organic Lead	106	25	ug/kg	100		106	80-120			
Matrix Spike Analyzed: 07/08/04 (4G08065-MS1)										
Organic Lead	103	25	ug/kg	100	ND	103	80-120			
Matrix Spike Dup Analyzed: 07/08/04 (4G08065-MSD1)										
Organic Lead	103	25	ug/kg	100	ND	103	80-120	0	20	

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 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon
 2100 Main Street, Suite 150
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INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4G01047 Extracted: 07/01/04										
Duplicate Analyzed: 07/01/04 (4G01047-DUP1)										
pH	9.80	NA	pH Units		9.78			0	5	
Batch: 4G01074 Extracted: 07/01/04										
Blank Analyzed: 07/01/04 (4G01074-BLK1)										
Oil & Grease	ND	5.0	mg/kg							
LCS Analyzed: 07/01/04 (4G01074-BS1)										
Oil & Grease	18.1	5.0	mg/kg	20.0		90	55-130			
Matrix Spike Analyzed: 07/01/04 (4G01074-MS1)										
Oil & Grease	279	15	mg/kg	60.0	410	-218	35-130			M2
Matrix Spike Dup Analyzed: 07/01/04 (4G01074-MSD1)										
Oil & Grease	123	15	mg/kg	60.0	410	-478	35-130	78	25	M2, R-3
Batch: 4G02048 Extracted: 07/02/04										
Duplicate Analyzed: 07/02/04 (4G02048-DUP1)										
Ignitability	Ignitable	NA	N/A		1.0			0	200	SB
Duplicate Analyzed: 07/02/04 (4G02048-DUP2)										
Ignitability	Ignitable	NA	N/A		1.0			0	200	SB
Batch: 4G06080 Extracted: 07/06/04										
Blank Analyzed: 07/07/04 (4G06080-BLK1)										
Chromium VI	ND	0.20	mg/kg							

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager



Geosyntec Consultants/Project Navigator - Ascon
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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: 4G06080 Extracted: 07/06/04										
LCS Analyzed: 07/07/04 (4G06080-BS1)										
Chromium VI	3.80	0.20	mg/kg	5.00		76	65-110			
Matrix Spike Analyzed: 07/07/04 (4G06080-MS1)										
Chromium VI	1.23	0.20	mg/kg	5.00	0.017	24	55-110			M2
Matrix Spike Dup Analyzed: 07/07/04 (4G06080-MSD1)										
Chromium VI	1.64	0.20	mg/kg	5.00	0.017	32	55-110	29	20	M2, R-3

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 Kathleen A. Robb
 Project Manager



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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 $\pm 15\%$ from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within $\pm 15\%$ 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 $\pm 15\%$ criteria, however the average % recovery of all compounds in the calibration check solution was within $\pm 15\%$, 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	124	ING0001-01	4G06032
4,4'-DDD	1	124	ING0001-02	4G06032
4,4'-DDD	1	124,122	ING0001-03	4G06032
4,4'-DDD	1	124,122	ING0001-06	4G06032
4,4'-DDD	1	124,122	ING0001-07	4G06032
4,4'-DDT	2	69	ING0001-01	4G06032
4,4'-DDT	2	69	ING0001-02	4G06032
4,4'-DDT	2	69,77	ING0001-03	4G06032
4,4'-DDT	2	69,77	ING0001-06	4G06032
4,4'-DDT	2	69,77	ING0001-07	4G06032

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 for this compound.

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
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DATA QUALIFIERS AND DEFINITIONS

- A-01** This sample was spiked at 5ppm
- 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.
- I** Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- M-NR** No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- R-7** LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
- RL-1** Reporting limit raised due to sample matrix effects.
- SB** Sustained burning when exposed to open flame.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For 1,2-Diphenylhydrazine:

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

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

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

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager



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Certification Summary

Del Mar Analytical, Irvine

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

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
 Kathleen A. Robb
 Project Manager

IN60001
~~IN60844~~

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