ENVIRON

January 23, 2007

Mr. Rafat Abbasi
Senior Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

Via E-Mail and U.S. Mail

Re: Data Transmittal
Perimeter and Sub-slab Soil Gas Sampling at the Norco High School Science Building
Norco, California

Dear Rafat:

Enclosed are validated volatile organic compound ("VOC") data for the active exterior and sub-slab soil gas sampling conducted in proximity to, and underlying, the Norco High School Science Building. The work was conducted in accordance with ENVIRON's Technical Memorandum ("TM"), entitled *"Revised Perimeter and Sub-slab Soil Gas Evaluation, Norco High School Science Building, Former Wyle Laboratories, 1841 Hillside Avenue, Norco, California,"* dated December 27, 2006, which was revised to respond to the Department of Toxic Substances Control's ("DTSC") conditional approval letter, dated December 5, 2006. The field work was conducted on December 27 and 28, 2006. Analytical results are presented on Table 1. The analytical laboratory report is included in Attachment A. Sampling locations are depicted on Figure 1.

Analytical results indicate the VOCs were not detected at concentrations above applicable detection limits in any soil gas samples obtained during this investigation. Based on these data, and historical soil gas data obtained from the area, the source of vinyl chloride ("VC") inside the Science Building is not due to vapor intrusion from underlying soil and/or ground water. As requested by DTSC, ENVIRON will revisit the Science Building to conduct a second round of soil gas sampling in June 2007, after the end of the school year.

If you should have any questions, please contact the undersigned at (949) 261-5151.

Very truly yours,

Carol Serlin

Carol L. Serlin, P.G.
Principal

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Attachments: Table 1
Figure 1
Attachment A-Laboratory Analytical Data

cc: Distribution

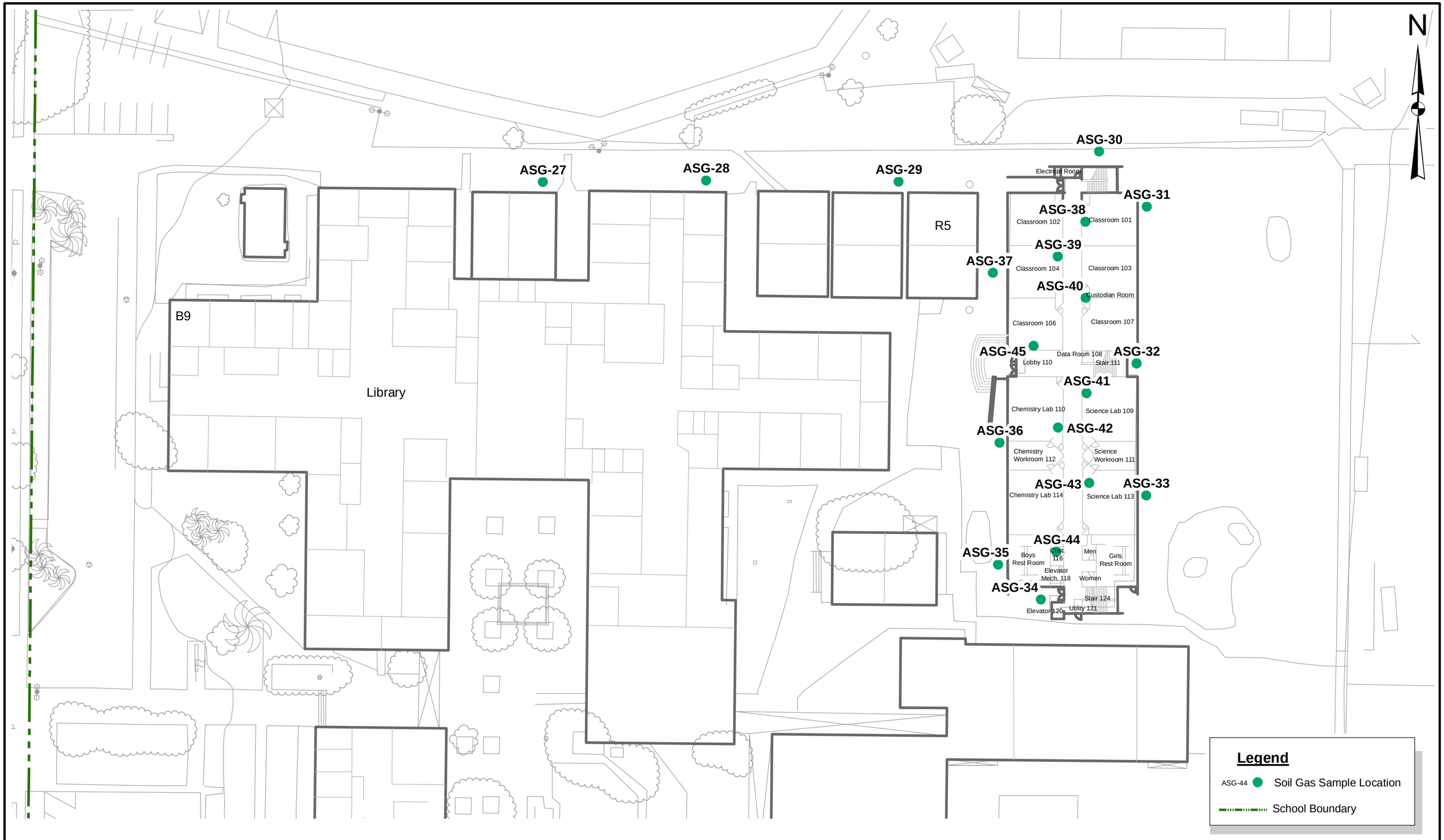
T A B L E

TABLE 1
Soil Gas Sampling Results
Norco High School - Science Building
2065 Temescal Avenue, Norco, California

			Analyte (ug/m3)				
SITE_ID	**DATE**	**DEPTH**	**Cis-1,2-Dichloroethylene**	**Trans-1,2-Dichloroethene**	**Trichloroethene**	**Vinyl chloride**	**1,1-Difluoroethane**
ASG-27	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-28	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-29	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-30	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-31	12/27/2006	5	<10	<10	<10	<10	<20000
ASG-32	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-33	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-34	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-35	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-36	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-37	12/27/2006	5	<5	<5	<5	<5	<10000
ASG-37	**12/27/2006**	**5**	**<5**	**<5**	**<5**	**<5**	**<10000**
ASG-38	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-39	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-40	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-41	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-42	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-43	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-44	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-45	12/28/2006	0.3	<5	<5	<5	<5	<10000
ASG-45	**12/28/2006**	**0.3**	**<5**	**<5**	**<5**	**<5**	**<10000**

Notes
ug/m3 - Micrograms per cubic meter
Duplicate results are shown in bold

F I G U R E



ENVIRON

Drafter: DML DATE: 1/15/07 Revised:

Soil Gas Sampling Locations

Norco High School
2065 Temescal Avenue, Norco California

Contract Number: 04-8099X

Figure 1

FILE: G:\Wyle\ArcMap Documents\Air Quality\Norco high School\Figure 1

A T T A C H M E N T A

MOBILE GEOCHEMISTRY

H&P

03 January 2007

Ms. Carol Serlin
Environ Corp.
2010 Main Street, Suite 900
Irvine, CA 92614
RE: ENV122706-AL

Enclosed are the results of analyses for samples received by the laboratory on 12/27/2006-12/28/2006. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 2088, 2278, 2543, 2579 and 2595.

2470 Impala Drive, Carlsbad, California 92010 | 760.804.9678 — Fax 760.804.9159
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MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ASG-27-5 (1vol), P60cc	E612101-01	Vapor	27-Dec-06	27-Dec-06
ASG-27-5 (3vol), P180cc	E612101-02	Vapor	27-Dec-06	27-Dec-06
ASG-27-5 (7vol), P420cc	E612101-03	Vapor	27-Dec-06	27-Dec-06
ASG-28-5, P180cc	E612101-04	Vapor	27-Dec-06	27-Dec-06
ASG-29-5, P180cc	E612101-05	Vapor	27-Dec-06	27-Dec-06
ASG-30-5, P180cc	E612101-06	Vapor	27-Dec-06	27-Dec-06
ASG-31-5, P180cc	E612101-07	Vapor	27-Dec-06	27-Dec-06
ASG-32-5, P180cc	E612101-08	Vapor	27-Dec-06	27-Dec-06
ASG-33-5, P180cc	E612101-09	Vapor	27-Dec-06	27-Dec-06
ASG-34-5, P180cc	E612101-10	Vapor	27-Dec-06	27-Dec-06
ASG-35-5, P180cc	E612101-11	Vapor	27-Dec-06	27-Dec-06
ASG-36-5, P180cc	E612101-12	Vapor	27-Dec-06	27-Dec-06
ASG-37-5, P180cc	E612101-13	Vapor	27-Dec-06	27-Dec-06
ASG-37-5 DUP, P240cc	E612101-14	Vapor	27-Dec-06	27-Dec-06
ASG-38-SS, P186cc	E612111-01	Vapor	28-Dec-06	28-Dec-06
ASG-39-SS, P186cc	E612111-02	Vapor	28-Dec-06	28-Dec-06
ASG-40-SS, P186cc	E612111-03	Vapor	28-Dec-06	28-Dec-06
ASG-41-SS, P186cc	E612111-04	Vapor	28-Dec-06	28-Dec-06
ASG-42-SS, P186cc	E612111-05	Vapor	28-Dec-06	28-Dec-06
ASG-43-SS, P186cc	E612111-06	Vapor	28-Dec-06	28-Dec-06
ASG-44-SS, P186cc	E612111-07	Vapor	28-Dec-06	28-Dec-06
ASG-45-SS, P186cc	E612111-08	Vapor	28-Dec-06	28-Dec-06
ASG-45-SS DUP, P246cc	E612111-09	Vapor	28-Dec-06	28-Dec-06

Two LCS samples were analyzed each day for this project. The first was a 5 ppbv (approx 20 ug/m3) standard containing 3 of the four target analytes and analyzed in SCAN mode. The second was a 1ppbv standard (approx 4 ug/m3) and was analyzed in SIM mode for two targets (vinyl chloride and TCE). Trans-1,2-dichloroethene was not present in the standard mix but was looked for by retention time and mass spectra from previous standard analyses.

MOBILE GEOCHEMISTRY H&P

Environ Corp.	Project: ENV122706-AL	
2010 Main Street, Suite 900	Project Number: 04 8099X, Norco HS	Reported:
Irvine, CA 92614	Project Manager: Ms. Carol Serlin	03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-27-5 (1vol), P60cc (E612101-01) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.5 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*80-120*		"	"	"	"	
ASG-27-5 (3vol), P180cc (E612101-02) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
ASG-27-5 (7vol), P420cc (E612101-03) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.3 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-28-5, P180cc (E612101-04) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
ASG-29-5, P180cc (E612101-05) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.9 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
ASG-30-5, P180cc (E612101-06) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-31-5, P180cc (E612101-07) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	20	ug/l	2	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	10	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
Trichloroethene	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.1 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
ASG-32-5, P180cc (E612101-08) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.4 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
ASG-33-5, P180cc (E612101-09) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-34-5, P180cc (E612101-10) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.3 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*80-120*		"	"	"	"	
ASG-35-5, P180cc (E612101-11) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
ASG-36-5, P180cc (E612101-12) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-37-5, P180cc (E612101-13) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
ASG-37-5 DUP, P240cc (E612101-14) Vapor Sampled: 27-Dec-06 Received: 27-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62701	27-Dec-06	27-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
ASG-38-SS, P186cc (E612111-01) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-39-SS, P186cc (E612111-02) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
ASG-40-SS, P186cc (E612111-03) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
ASG-41-SS, P186cc (E612111-04) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp.	Project: ENV122706-AL	
2010 Main Street, Suite 900	Project Number: 04 8099X, Norco HS	Reported:
Irvine, CA 92614	Project Manager: Ms. Carol Serlin	03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-42-SS, P186cc (E612111-05) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
ASG-43-SS, P186cc (E612111-06) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
ASG-44-SS, P186cc (E612111-07) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
ASG-45-SS, P186cc (E612111-08) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
ASG-45-SS DUP, P246cc (E612111-09) Vapor Sampled: 28-Dec-06 Received: 28-Dec-06									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EL62804	28-Dec-06	28-Dec-06	EPA TO-14 Soil Gas Analysis	
Vinyl chloride	ND	5	ug/m3	"	"	"	"	EPA TO-15	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*80-120*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL62701 - TO-15 LV										
Blank (EL62701-BLK1)				Prepared & Analyzed: 27-Dec-06						
Vinyl chloride	ND	5	ug/m3							
1,1-Difluoroethane (LCC)	ND	10	ug/l							
trans-1,2-Dichloroethene	ND	5	ug/m3							
cis-1,2-Dichloroethene	ND	5	"							
Trichloroethene	ND	5	"							
Surrogate: 1,2-Dichloroethane-d4	*205*		*"*	*215*		*95.3*	*80-120*			
Surrogate: Toluene-d8	*215*		*"*	*210*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*366*		*"*	*365*		*100*	*80-120*			
LCS (EL62701-BS1)				Prepared & Analyzed: 27-Dec-06						
Vinyl chloride	10	5	ug/m3	12.6		79.4	65-135			
cis-1,2-Dichloroethene	20	5	"	15.3		131	65-135			
Trichloroethene	20	5	"	26.8		74.6	65-135			
Surrogate: 1,2-Dichloroethane-d4	*205*		*"*	*215*		*95.3*	*80-120*			
Surrogate: Toluene-d8	*218*		*"*	*210*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*392*		*"*	*365*		*107*	*80-120*			
LCS (EL62701-BS2)				Prepared & Analyzed: 27-Dec-06						
Vinyl chloride	2	1	ug/m3	2.52		79.4	65-135			
Trichloroethene	6	3	"	5.36		112	65-135			
Surrogate: 1,2-Dichloroethane-d4	*185*		*"*	*215*		*86.0*	*80-120*			
Surrogate: Toluene-d8	*211*		*"*	*210*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*404*		*"*	*365*		*111*	*80-120*			
Batch EL62804 - TO-15 LV										
Blank (EL62804-BLK1)				Prepared & Analyzed: 28-Dec-06						
Vinyl chloride	ND	5	ug/m3							
1,1-Difluoroethane (LCC)	ND	10	ug/l							
trans-1,2-Dichloroethene	ND	5	ug/m3							
cis-1,2-Dichloroethene	ND	5	"							

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL62804 - TO-15 LV										
Blank (EL62804-BLK1)				Prepared & Analyzed: 28-Dec-06						
Trichloroethene	ND	5	ug/m3							
Surrogate: 1,2-Dichloroethane-d4	*172*		*"*	*215*		*80.0*	*80-120*			
Surrogate: Toluene-d8	*220*		*"*	*210*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*331*		*"*	*365*		*90.7*	*80-120*			
LCS (EL62804-BS1)				Prepared & Analyzed: 28-Dec-06						
Vinyl chloride	10	5	ug/m3	12.6		79.4	65-135			
cis-1,2-Dichloroethene	20	5	"	15.3		131	65-135			
Trichloroethene	20	5	"	26.8		74.6	65-135			
Surrogate: 1,2-Dichloroethane-d4	*186*		*"*	*215*		*86.5*	*80-120*			
Surrogate: Toluene-d8	*212*		*"*	*210*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*352*		*"*	*365*		*96.4*	*80-120*			
LCS (EL62804-BS2)				Prepared & Analyzed: 28-Dec-06						
Vinyl chloride	2	1	ug/m3	2.52		79.4	65-135			
Trichloroethene	6	3	"	5.36		112	65-135			
Surrogate: 1,2-Dichloroethane-d4	*188*		*"*	*215*		*87.4*	*80-120*			
Surrogate: Toluene-d8	*210*		*"*	*210*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*362*		*"*	*365*		*99.2*	*80-120*			

MOBILE GEOCHEMISTRY H&P

Environ Corp. 2010 Main Street, Suite 900 Irvine, CA 92614	Project: ENV122706-AL Project Number: 04 8099X, Norco HS Project Manager: Ms. Carol Serlin	Reported: 03-Jan-07

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☑ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

w/o E612101
Batch 612701

Date: 12/27/06
H&P Project # ENV122706-AL
Outside Lab:

Client: Environ Corp
Address: 2010 Main St. S 900
Irvine CA
Email:
Phone: 949 261-5151

Collector: D. Balkenbush
Client Project # 04 8099X
Location: Norco HS
Fax:

Page: 1 of 2
Project Contact: Carol Serlin
Turn around time:

EDF: Yes ☐ No ☐
Global ID:

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Special Instructions:

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: ~~Full List~~ VC, TCE, Cis 1,2DCE	TO-15: BTEX/MTBE	LCC (specify)	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
ASG-27-5(1V)		60	0950	12/27		Syr									X									1
ASG-27-5(3V)		180	1012	12/27											X									1
ASG-27-5(7V)		420	1034	12/27											X									1
ASG-28-5		180	1055	12/27											X									1
ASG-29-5		180	1120	12/27											X									1
ASG-30-5		180	1146	12/27											X									1
ASG-31-5		180	1208	12/27											X									1
ASG-32-5		180	1232	12/27											X									1
ASG-33-5		180	1301	12/27											X									1
ASG-34-5		180	1324	12/27		Syr									X									1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
		[signature]	H&P	12/27/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 12/27/06
H&P Project #
Outside Lab:

Client: Environ Corp.
Address: 2010 Main St.
Irvine CA
Email:
Phone: 949 261-5151

Collector: D. Balkenbush
Page: 2 of 2
Client Project # 04 8099X
Project Contact:
Location:
Fax:
Turn around time:

EDF: Yes ☐ No ☐
Global ID:

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Special Instructions:

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: ~~Full List~~ TCE, VC, cis, t 1,2DCE	TO-15: BTEX/MTBE	LCC (specify)	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
ASG-35-5		180	1346	12/27											X									
ASG-36-5		180	1408	12/27											X									
ASG-37-5		180	1431	12/27											X									
ASG-37-5 DUP		240	1433	12/27											X									

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
			H&P	12/27/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

E612111
E662804

☑ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 12/28/06
H&P Project # ENV122706-AL
Outside Lab:

Client: Environ Corp
Address: 2010 Main St S900
Irvine CA 9
Email:
Phone: 949 261-5151

Collector: D Baltenbush
Client Project # 04 8099x
Location: Norco H.S.
Fax:

Page: 1 of 1
Project Contact: Carol Serlin
Turn around time:

EDF: Yes ☐ No ☐
Global ID:

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Special Instructions:

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: ~~Full List~~ VC, TCE, c,t 1,2 DCE	TO-15: BTEX/MTBE	LCC (specify)	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
ASG-38-SS		186	1050	12/28											X									
ASG-39-SS		186	1211	12/28											X									
ASG-40-SS		186	1148	12/28											X									
ASG-41-SS		186	1108	12/28											X									
ASG-42-SS		186	1132	12/28											X									
ASG-43 SS		186	1155	12/28											X									
ASG-44-SS		186	1220	12/28											X									
ASG-45-SS		186	1253	12/28											X									
ASG-45-SS DUP		186	1254	12/28											X									

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
			H&P	12/28/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*