Eric Hetrick
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6491
ehetrick@chevron.com

September 27, 2013

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station 95607
5269 Crow Canyon Road
Castro Valley, CA
ACEH Case #RO 0350

I have reviewed the Soil Vapor Investigation Data Transmittal.

I agree with the conclusions and recommendations presented in the referenced report. This information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga Rovers Associates, upon who assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

Eric Hetrick
Project Manager

Attachment: Soil Vapor Investigation Data Transmittal

CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
http://www.craworld.com

September 27, 2013 Reference No. 311950

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway
Alameda, California 94502

Re: Soil Vapor Investigation Data Transmittal
Former Chevron Station 95607
5269 Crow Canyon Road
Castro Valley, California
Fuel Leak Case RO0350

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) recently completed soil vapor investigation activities on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figure 1). The work was completed in accordance with CRA's *Work Plan for Soil Vapor Investigation,* dated August 21, 2013, which was conditionally approved in your email dated September 6, 2013 (Attachment A).

The field work to install soil vapor probes at six onsite (VP-1 through VP-6) and four offsite (VP-7 through VP-10) locations (Figure 2) was conducted September 10 through 13, 2013. Boring and vapor probe construction logs are included as Attachment B. Undisturbed soil samples were collected during the installation of the probes and analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) Method 8015B modified
- Benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and naphthalene by EPA Method 8260B

Vapor samples were collected September 16 through 18, 2013 and were analyzed for:

- TPHg, BTEX, MTBE, and naphthalene by EPA Method TO-15
- Naphthalene by EPA Method TO-17
- Oxygen (O2), carbon dioxide (CO2), nitrogen (N2), methane (CH4), and helium by ASTM D-1946 (GC/TCD)
- Air phase hydrocarbon (APH) fractions (Sp) aromatics C8-C12 modified TO-15 GC/MS Full Scan

- APH fractions (Sp) aliphatics C5-C12 modified TO-15 GC/MS Full Scan

Soil and soil vapor analytical results are summarized in Tables 1 -3. Laboratory reports are included as Attachment C.

Select undisturbed soil samples were also collected and analyzed for soil porosity and moisture content by API RP 40/ASTM D2216. The results of these analyses are pending.

As indicted in your September 6, 2013 email, a subsurface investigation report summarizing the findings of the soil vapor investigation will be submitted on October 28, 2013. In the interim, CRA and Chevron request a meeting with ACEH to discuss these results and determine the path forward for the site. Chevron will contact you to discuss your availability for a meeting during the week of September 30, 2013.

CONESTOGA-ROVERS & ASSOCIATES

September 27, 2013 Reference No. 311950

We appreciate your assistance with this project. Please contact Judy Gilbert of CRA at (510) 420-3314 or Mr. Eric Hetrick of Chevron at (925) 790-6491 if you have any questions or comments.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

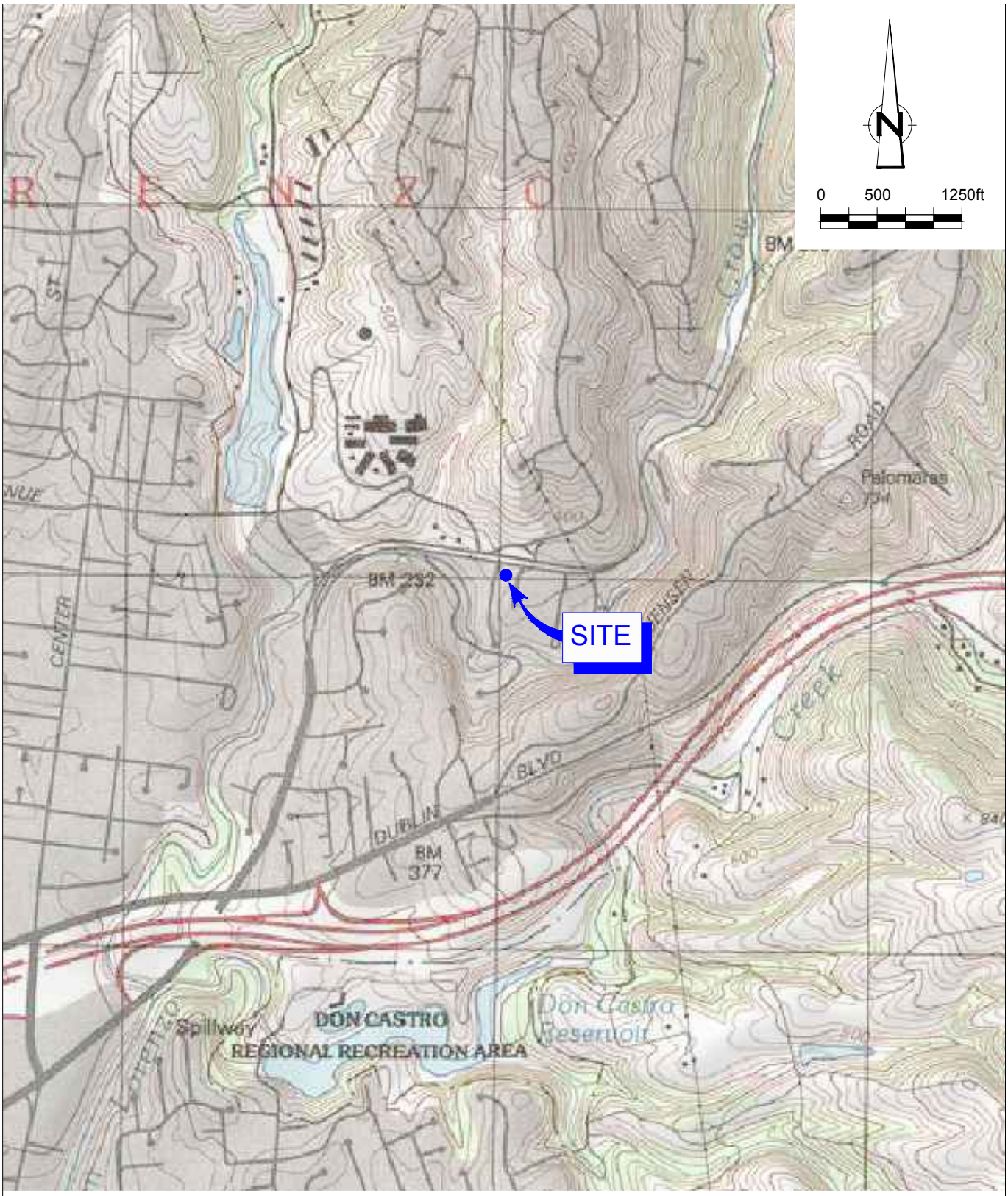
Judy Gilbert Brandon S. Wilken, PG 7564

BY/aa/25
Encl.

Figure 1	Vicinity Map
Figure 2	Site Plan
Table 1	Soil Analytical Data
Table 2	Cumulative Soil Vapor Analytical Data
Table 3	APH Soil Vapor Analytical Data
Attachment A	Regulatory Correspondence
Attachment B	Boring and Vapor Probe Construction Logs
Attachment C	Laboratory Reports

c.c.: Mr. Eric Hetrick, Chevron EMC *(electronic copy)*
Mr. Kevin Hinkley, Property Owner
Ms. Diane Riggs, Forest Creek Townhomes Association

FIGURES



SOURCE: TOPO! MAPS.

Figure 1

VICINITY MAP
FORMER CHEVRON STATION 95607
5269 CROW CANYON ROAD
Castro Valley, California

311950-2013(021)GN-EM001 MAR 12/2013

Figure 2

SITE PLAN
CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD
Castro Valley, California

BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN, INC.

311950-95(025)GN-EM006 SEP 20/2013

TABLES

TABLE 1

SOIL ANALYTICAL DATA
FORMER CHEVRON SERVICE STATION 95607
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg (C6-C12)*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*	*Naphthalene*
			Concentrations in µg/kg						
LTCP Direct Contact and Outdoor Air Exposure Criteria									
Residential		***0-5***		***1.9***		***21***			***9.7***
Residential		***5-10***		***2.8***		***32***			***9.7***
Commercial/Industrial		***0-5***		***8.2***		***89***			***45***
Commercial/Industrial		***5-10***		***12***		***134***			***45***
Utility Worker		***0-10***		***14***		***314***			***219***
VP-1	9/17/2013	3.5	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-1	9/17/2013	5	< 1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-1	9/17/2013	7	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-1	9/17/2013	12	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-2	9/17/2013	3.5	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-2	9/17/2013	5	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-2	9/17/2013	7	< 1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-2	9/17/2013	12	< 1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-3	9/17/2013	3.5	2.8	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	0.001
VP-3	9/17/2013	5	<1.0	< 0.0005	<0.0009	<0.0009	<0.0009	< 0.0005	<0.0009
VP-3	9/17/2013	7	1.2	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-3	9/17/2013	12	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-4	9/17/2013	3.5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-4	9/17/2013	5	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-5	9/18/2013	3.5	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-5	9/18/2013	5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-5	9/18/2013	7	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-5	9/18/2013	12	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-6	9/18/2013	4	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-6	9/18/2013	5	260	<0.026	<0.051	1.7	0.80	<0.026	5.0
VP-6	9/18/2013	7	31	<0.024	<0.048	0.097	<0.048	<0.024	0.096
VP-6	9/18/2013	12	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-7	9/16/2013	3.5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-7	9/16/2013	5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-7	9/16/2013	7	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-8	9/16/2013	3.5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-8	9/16/2013	5	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-8	9/16/2013	7	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-9	9/17/2013	3.5	<1.0	< 0.0005	<0.0009	<0.0009	<0.0009	< 0.0005	<0.0009
VP-9	9/17/2013	5.5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-9	9/17/2013	6.5	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-10	9/16/2013	3.5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-10	9/16/2013	5	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001
VP-10	9/16/2013	7	<1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001

Notes:

mg/kg = Milligrams per kilogram.
<x = Indicates chemical not detected at or above reporting limit x.
fbg = Feet below grade.
LTCP = Low Threat Closure Policy
Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M.
Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B.
Methyl tertiary butyl ether (MTBE) by EPA Method 8260B.
Naphthalene by EPA Method 8260B.

Exeedance of one or more ESL

TABLE 2

CUMULATIVE SOIL VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 95607
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes [1]	MTBE	Napthalene	Naphtalane (TO-17)	Oxygen	N_2	CO_2	Methane	He
			Reported in micrograms per cubic meter ($\mu g/m^3$)								Reported in % Volume				
LTCP Soil Gas Criteria-Residential				*<85*		*<1100*			*<93*	*<93*	--	--	--	--	--
LTCP Soil Gas Criteria-Commercial				*<280*		*<3600*			*<310*	*<310*	--	--	--	--	--
VP-1-7	9/17/2013	7	<240	<3.7	<4.4	<5.0	<5.0	<4.2	<24	<2.5	15	77	7.6	<0.00023	<0.12
VP-1-12	9/17/2013	12	<230	<3.6	4.3	<4.9	<5.0	<4.1	<24	<2.5	8.9	76	15	<0.00023	<0.11
VP-1-12DUP	9/17/2013	12	--	--	--	--	--	--	--	<2.5	--	--	--	--	--
VP-2-7	9/17/2013	7	860	5	8.2	<5.6	<5.6	<4.6	30	<2.5	8.7	76	15	0.0021	<0.13
VP-2-12	9/17/2013	12	3,600	16	57	6.3	32.4	<4.6	<27	<2.5	1.6	79	19	0.37	<0.13
VP-3-7	9/17/2013	7	3,100,000	<1200	<1400	<1600	<1600	<1400	<8000	<2.5	1.9	95	2.4	0.31	<0.11
VP-3-12	9/17/2013	12	710,000	<160	<180	<210	<210	<180	<1000	<2.5	1.4	91	7.1	0.63	<0.12
VP-4-5.5	9/17/2013	5.5	<240	<3.8	<4.5	<5.2	<5.2	<4.3	<25	<2.5	21	79	0.3	<0.00024	<0.12
VP-5-7	9/18/2013	7	6,400	15	18	<5.0	11	<4.2	<24	8.3	4.5	77	18	0.063	<0.12
VP-5-12	9/18/2013	12	20,000	30	37	6.9	29.6	<4.2	<24	<2.5	3.3	74	23	0.13	<0.12
VP-6-7	9/18/2013	7	27,000,000	<2,800	<3,300	**81,000**	97,000	<3100	<18,000	**1900 E**	10	80	9.1	0.12	<0.13
VP-6-7DUP	9/18/2013	7	28,000,000	<4,100	<4,900	**80,000**	97,000	<4600	<27,000	**110**	11	79	9.1	0.11	<0.13
VP-7-3.5	9/16/2013	3.5	1600	19	15	<5.7	13	<4.7	<27	<2.5	1.9	82	16	0.071	<0.13
VP-7-7	9/16/2013	7	1600	12	17	7.5	38.0	<4.7	<27	<2.5	7.5	87	4	0.046	1.2
VP-8-3.5	9/16/2013	3.5	4400	67	78	17	71	<8.5	<49	24	13	86	0.8	0.0076	<0.12
VP-8-7	9/16/2013	7	2600	62	47	<22	30	<18	<100	4.1	15	81	1.6	0.0044	2.7
VP-9-3.5	9/17/2013	3.5	9700	56	66	60	162	<4.3	27	<2.5	11	87	1.5	0.0048	0.82
VP-9-3.5DUP	9/17/2013	3.5	6900	56	66	9.0	64	<4.3	<25	--	12	86	1.6	0.0049	0.75
VP-9-7	9/17/2013	7	5600	23	55	<9.0	29	<7.5	<43	--	14	69	6.3	0.0031	11
VP-10-3.5	9/16/2013	3.5	2100	48	44	10	46	<4.5	<26	3.0	15	82	3.2	0.00053	<0.13
VP-10-7	9/16/2013	7	41,000	51	130	36	161	<11	<65	2.6	1.7	82	16	0.068	<0.12
Trip Blank			<100	<1.6	<1.9	<2.2	<2.2	<1.8	<10	--	0.23	100	<0.010	<0.00010	<0.050
Lab Blank 11A			<100	<1.6	<1.9	<2.2	<2.2	<1.8	<10	--	<0.10	<0.5	<0.010	<0.00010	--
Lab Blank 11B			<100	<1.6	<1.9	<2.2	<2.2	<1.8	<10	--	--	--	--	--	<0.050
Lab Blank 11C			<100	<1.6	<1.9	<2.2	<2.2	<1.8	<10	--					
Lab Blank 12A			<100	<1.6	<1.9	<2.2	<2.2	<1.8	<10	--	<0.10	<0.5	<0.010	<0.00010	--
Lab Blank 12B			<100	<1.6	<1.9	<2.2	<2.2	<1.8	<10	--	--	--	--	--	<0.050
Lab Blank 20A			--	--	--	--	--	--	--	<2.5	--	--	--	--	--
Lab Blank 20B			--	--	--	--	--	--	--	<2.5	--	--	--	--	--

Explanations:

1 = Total xylenes obtained by adding results of m,p-Xylene and o-Xylene
fbg = feet below grade
TPHg = Total Petroleum Hydrocarbons as Gasoline
MTBE = Methyl tert-butyl ehter
-- = Not analyzed
<n = Not above laboratory reporting limit
$\mu g/m^3$ = micrograms per cubic meter
E= Exceeds Instrument Calibration Range
LTCP Soil Gas Criteria = Low Threat Closure Policy, Appendix 4 - Soil Gas Sampling - No Bioattenuation Zone
Bold = Exceeds the LTCP criteria
Benzene, toluene, ethylbenzene, and xylenes (BTEX), Methyl tertiary-butyl ether (MTBE), and Naphthalene analyzed by EPA Method TO-15 GC/MS Full Scan
Naphthalene analyzed by EPA Method TO-17
Helium, oxygen, carbon dioxide (CO_2), methane and nitrogen by ASTM D-1946 unless otherwise noted.

TABLE 3

APH SOIL VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 95607
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA

Location	*Date*	*Depth*	*>C5-C6 Aliphatic Hydrocarbons*	*>C6-C8 Aliphatic Hydrocarbons*	*>C8-C10 Aliphatic Hydrocarbons*	*>C10-C12 Aliphatic Hydrocarbons*	*>C8-C10 Aromatic Hydrocarbons*	*>C10-C12 Aromatic Hydrocarbons*
Units		*(fbg)*	*Reported in micrograms per cubic meter (µg/m^3)*					
LTCP Soil Gas Criteria-Residential			*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
LTCP Soil Gas Criteria-Commercial			*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
VP-1-7	9/17/2013	7	<75	<95	<140	<160	<110	<130
VP-1-12	9/17/2013	12	<74	<93	<130	<160	<110	<120
VP-1-12DUP	9/17/2013	12	--	--	--	--	--	--
VP-2-7	9/17/2013	7	<83	<100	<150	<180	<130	<140
VP-2-12	9/17/2013	12	<83	280	190	580	<130	<140
VP-3-7	9/17/2013	7	620,000	1,600,000	<44,000	<53,000	<38,000	<42,000
VP-3-12	9/17/2013	12	270,000	350,000	<5,600	<6,800	<4,800	<5,300
VP-4-5.5	9/17/2013	5.5	<78	<98	<140	<170	<120	<130
VP-5-7	9/18/2013	7	1100	1000	280	770	<110	<130
VP-5-12	9/18/2013	12	9000	3900	430	1300	<110	<130
VP-6-7	9/18/2013	7	2,800,000	9,800,000	850,000	1,000,000	900,000	210,000
VP-6-7DUP	9/18/2013	7	3,000,000	10,000,000	820,000	980,000	860000	180,000
VP-7-3.5	9/16/2013	3.5	97	<110	<150	<180	<130	<140
VP-7-7	9/16/2013	7	<84	<110	<150	<180	<130	<140
VP-8-3.5	9/16/2013	3.5	450	420	<270	<330	<230	<260
VP-8-7	9/16/2013	7	<320	<410	<580	<690	<490	<550
VP-9-3.5	9/17/2013	3.5	1100	960	570	<160	490	<130
VP-9-3.5DUP	9/17/2013	3.5	1100	850	270	<170	<120	<130
VP-9-7	9/17/2013	7	210	<170	<240	540	<200	<230
VP-10-3.5	9/16/2013	3.5	<82	<100	<150	<180	<120	<140
VP-10-7	9/16/2013	7	330	510	700	19,000	480	<340
Lab Blank 10A/10B			<32	<41	<58	<70	<49	<55
Lab Blank 10C/10D			<32	<41	<58	<70	<49	<55
Lab Blank 10E/10F			<32	<41	<58	<70	<49	<55
Lab Blank 12A/12B			<32	<41	<58	<70	<49	<55
Lab Blank 12C/12D			<32	<41	<58	<70	<49	<55

Notes:

APH = Air Phase Hydrocarbon Fractions analyses by EPA Method TO-15 GC/MS Full Scan.

fbg = Feet below grade.

µg/m^3 = Micrograms per cubic meter

LTCP= Low Threat Closure Policy

NE = Not Established

<x = Not detectedabove laboratory reporting limit x.

-- = Not analyzed/not applicable.

ATTACHMENT A

REGULATORY CORRESPONDENCE

From:	Detterman, Mark, Env. Health
To:	"Hetrick, Eric G"; Gilbert, Judy; Brasher, Bill; Wilken, Brandon
Cc:	Roe, Dilan, Env. Health; dehloptoxic, Env. Health
Subject:	Chevron 9-5607 5269 Crow Canyon Rd, Castro Valley, CA (RO350): Conditional Approval of Work Plan
Date:	Friday, September 06, 2013 2:25:34 PM

Erik,

Alameda County Environmental Health (ACEH) has reviewed the *Work Plan for Soil Vapor Investigation*, dated August 30, 2013, submitted by Conestoga-Rovers & Associates (CRA) at the request of ACEH. The work plan was submitted in follow up to the resent submittal of a draft work plan as discussed at an August 21, 2013 meeting regarding the site. The final work plan proposed the installation of nine dual completion soil vapor wells. Six are proposed for onsite locations and four were proposed for offsite locations. The onsite wells were proposed to be installed at a depth of 7 and 12 feet below grade surface (bgs), while offsite wells were proposed for installation at 3.5 and 7 feet bgs due to elevation differences. Vapor samples were proposed to be collected in accordance with DTSC guidelines and Chevron soil vapor protocols. At least three undisturbed shallow soil samples were proposed for collection in the upper 10 feet of the site (two above five feet, and one below five feet), and at least one undisturbed soil sample was proposed to be collected within each screen interval of all soil vapor probes as itemized above.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. Should an alternative proposal be considered, the methods should be incorporated into a revised work plan. ACEH requests expediency in conducting this work as it is being collected to support Monitored Natural Attenuation and as such is a variance from the approved Corrective Action Plan. We request that you address the following technical comments, perform the proposed work, and send us the report described below. ACEH has already received a 72-hour advance written notification of this work.

TECHNICAL COMMENTS

1. **Work Plan Modifications –** The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, requests a modification to the approach. Please submit a report by the date specified below.

    a. **Shallow Soil Sample Collection –** The work plan proposes to collect and retain for laboratory analysis at least two undisturbed onsite soil samples from the 0 to 5 foot depth interval in addition to soil samples within each screen interval of each well. Because the majority of the proposed soil samples will be in the 5 to 10 foot depth interval, ACEH requests that sufficient shallow onsite soil samples be collected from the 0 to 5 foot depth interval to characterize each potential source zone (each dispenser island, and the UST excavation edges), in addition to a bias towards sings of contamination (staining, odor, and etc).

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **September 27, 2013 – Data Transmittal (tabulated soil and soil vapor analytical, bore and well construction logs, site and vicinity plan, etc.)**
  File to be named: RO350_SWI_R_yyyy-mm-dd

- **October 28, 2013 – Soil and Groundwater Investigation**
  File to be named: RO350_SWI_R_yyyy-mm-dd

Should you have any questions, please contact me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org. Because I will be out of the office until Wednesday September 4th, please also contact Dilan Roe at (510) 567-6767 or dilan.roe@acgov.org should you have questions in the interim period of time.

cc. Kevin and Julia Hinkley, Kevin Hinkley Service, 5269 Crow Canyon Road, Castro Valley, CA 94552

Geotracker, Electronic File

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

ATTACHMENT B

BORING AND VAPOR PROBE CONSTRUCTION LOGS

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-1
JOB/SITE NAME	95607	**DRILLING STARTED**	10-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	10-Sep-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inch	**SCREENED INTERVALS**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Portland Type I/II
0		VP-1- 3.5			ML		**Sandy SILT with gravel:** Light brown; moist; non-plastic.		Hydrated Bentonite Seal
0		VP-1- 5		5					Dry Granulated Bentonite
		VP-1- 6.5							Monterey Sand #2/12 Permeable Stainless Steel Filter
0		VP-1- 7						8.0	
					CL		**Gravelly CLAY:** Light brown; moist; low-plasticity.		Hydrated Bentonite Seal
				10				11.0	Dry Granulated Bentonite
		VP-1- 11.5			CL		**CLAY:** Dark gray; moist; medium-plasticity.		Monterey Sand #2/12 Permeable Stainless Steel Filter
0		VP-1- 12						12.5	Bottom of Boring @ 12.5 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950~1\311950~1\311950~1.GPJ DEFAULT.GDT 9/27/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-2
JOB/SITE NAME	95607	**DRILLING STARTED**	11-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	11-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Oliver Yan	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.5
							Gravelly SILT with sand: Light brown; moist; non-plastic.	
0		VP-2- 3.5			ML			
0		VP-2- 5		5				
								6.5
0		VP-2- 7			CL		**CLAY with gravel:** Light brown; moist; low-plasticity.	
								8.0
							CLAY: Dark gray; moist; medium-plasticity.	
				10	CL			
0		VP-2- 12						12.5

WELL DIAGRAM

- Portland Type I/II
- Hydrated Bentonite Seal
- Dry Granulated Bentonite
- Monterey Sand #2/12
- Permeable Stainless Steel Filter
- Hydrated Bentonite Seal
- Dry Granulated Bentonite
- Monterey Sand #2/12
- Permeable Stainless Steel Filter

Bottom of Boring @ 12.5 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-3
JOB/SITE NAME	95607	**DRILLING STARTED**	11-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	11-Sep-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inch	**SCREENED INTERVALS**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							TOP SOIL	1.0	Portland Type I/II
							FILL (Gravelly silt)		
1		VP-3- 3.5			CL		**CLAY:** Light brown; moist; low-plasticity.	3.5	
							SAND with silt: Brown; moist; non-plastic.	4.0	Hydrated Bentonite Seal
					SP				
2.7		VP-3- 5		5			**CLAY:** Brown; moist; low-plasticity.	5.0	Dry Granulated Bentonite
									Monterey Sand #2/12 Permeable Stainless Steel Filter
7.1		VP-3- 7							
					CL				Hydrated Bentonite Seal
				10					
									Dry Granulated Bentonite
							@11.5 fbg gets more gravelly		Monterey Sand #2/12 Permeable Stainless Steel Filter
0.3		VP-3- 12						12.5	Bottom of Boring @ 12.5 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950~1\311950~1\311950~1.GPJ DEFAULT.GDT 9/27/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-4
JOB/SITE NAME	95607	**DRILLING STARTED**	11-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	11-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Oliver Yan	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Portland Type I/II
							FILL (Gravelly sand)		Hydrated Bentonite Seal
0		VP-4- 3.5							Dry Granulated Bentonite
0		VP-4- 5		5					Monterey Sand #2/12
									Permeable Stainless Steel Filter
								6.0	Monterey Sand #2/12
							Refusal @ 6 fbg.		Bottom of Boring @ 6 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-5
JOB/SITE NAME	95607	**DRILLING STARTED**	11-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	12-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.5
							FILL (Gravelly silt)	
								2.5
0		VP-5- 3.5					**Gravelly SILT:** Light brown; moist; non-plastic.	
0		VP-5- 5		5	ML		@6 fbg greenish mottling	
0		VP-5- 7						8.5
							CLAY: Dark gray; moist; low-plasticity.	
				10	CL		@10 fbg increase in gravel	
0		VP-5- 12						12.5

WELL DIAGRAM

- Portland Type I/II
- Hydrated Bentonite Seal
- Dry Granulated Bentonite
- Monterey Sand #2/12
- Permeable Stainless Steel Filter
- Hydrated Bentonite Seal
- Dry Granulated Bentonite
- Monterey Sand #2/12
- Permeable Stainless Steel Filter

Bottom of Boring @ 12.5 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-6
JOB/SITE NAME	95607	**DRILLING STARTED**	12-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	12-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							TOP SOIL	1.0
							FILL (Pea gravel)	
0		VP-6- 4						
113		VP-6- 5		5			**SILT with sand:** Light brown; moist; low-plasticity.	5.0
					ML			
285		VP-6- 7						8.0
							CLAY with sand: Brown; moist; low-plasticity.	
				10	CL			
							SILT: Light brown; moist; low-plasticity.	11.0
					ML			
1.3		VP-6- 12						12.5

WELL DIAGRAM

- Portland Type I/II
- Hydrated Bentonite Seal
- Dry Granulated Bentonite
- Monterey Sand #2/12
- Permeable Stainless Steel Filter
- Hydrated Bentonite Seal
- Dry Granulated Bentonite
- Monterey Sand #2/12
- Permeable Stainless Steel Filter

Bottom of Boring @ 12.5 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

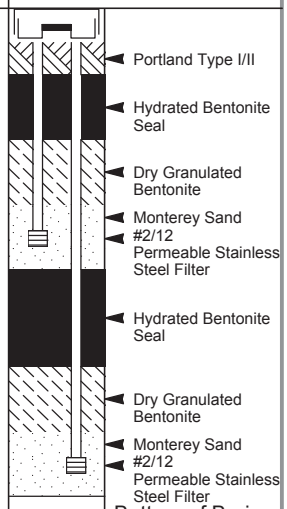
Conestoga - Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-7
JOB/SITE NAME	95607	**DRILLING STARTED**	12-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	12-Sep-13
PROJECT NUMBER	311950	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Cascade Drilling, C-57 #717510	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inch	**SCREENED INTERVALS**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Wilken, PG# 7564	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.5
							FILL (Gravelly silt)	1.5
							SILT with gravel: Brown; moist; non-plastic.	
0		VP-7- 3.5			ML			
0		VP-7- 5		5				
							@6.5 fbg increase in gravel.	
0		VP-7- 7						7.5

WELL DIAGRAM



Bottom of Boring @ 7.5 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311950~1\311950~1\311950~1.GPJ DEFAULT.GDT 9/27/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-8
JOB/SITE NAME	95607	**DRILLING STARTED**	13-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	13-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Portland Type I/II
							FILL (Gravelly silt)	1.5	Hydrated Bentonite Seal
							SILT with sand: Brown; moist; low-plasticity.		Dry Granulated Bentonite
							@3 fbg increase in gravel.		Monterey Sand #2/12 Permeable Stainless Steel Filter
0		VP-8- 3.5							
					ML				Hydrated Bentonite Seal
0		VP-8- 5		5					
							@6 fbg greenish gray mottling.		Dry Granulated Bentonite
									Monterey Sand #2/12 Permeable Stainless Steel Filter
0		VP-8- 7						7.5	Bottom of Boring @ 7.5 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-9
JOB/SITE NAME	95607	**DRILLING STARTED**	13-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	13-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Oliver Yan	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Portland Type I/II
							FILL (Gravelly sand)		Hydrated Bentonite Seal
							@ 3 fbg cobbles		Dry Granulated Bentonite
0		VP-9- 3.5							Monterey Sand #2/12 Permeable Stainless Steel Filter
0		VP-9- 5.5		5				5.5	Hydrated Bentonite Seal
					CL		**CLAY:** Light brown; moist; low-plasticity.		Dry Granulated Bentonite
0		VP-9- 6.5						7.5	Monterey Sand #2/12 Permeable Stainless Steel Filter
									Bottom of Boring @ 7.5 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

BORING / WELL LOG

Conestoga-Rovers & Associates

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	VP-10
JOB/SITE NAME	95607	**DRILLING STARTED**	13-Sep-13
LOCATION	5269 Crow Canyon Road, Castro Valley, California	**DRILLING COMPLETED**	13-Sep-13
PROJECT NUMBER	311950	**GROUND SURFACE ELEVATION**	NA
DRILLER	Cascade Drilling, C-57 #717510	**TOP OF CASING ELEVATION**	NA
DRILLING METHOD	Hand Auger	**SCREENED INTERVALS**	NA
BORING DIAMETER	3 inch	**DEPTH TO WATER (First Encountered)**	NA
LOGGED BY	Belew Yifru	**DEPTH TO WATER (Static)**	NA
REVIEWED BY	B. Wilken, PG# 7564		
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	Sample Type	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	GEOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	Portland Type I/II
							FILL (Gravelly sand)		Hydrated Bentonite Seal
								2.0	
							SILT with gravel: Brown; moist; non-plastic.		Dry Granulated Bentonite
0		VP-10 -3.5			ML				Monterey Sand #2/12
				5					Permeable Stainless Steel Filter
0		VP-10 -5							Hydrated Bentonite Seal
								6.5	Dry Granulated Bentonite
							CLAY: Greenish gray; moist; low-plasticity.		Monterey Sand #2/12
0		VP-10 -7			CL			7.5	Permeable Stainless Steel Filter
									Bottom of Boring @ 7.5 fbg

CHEVRONPID I:\CHEVRON\3119--\311950 9-5607 CASTRO VALLEY\311950-BORING LOGS\311950~1.GPJ DEFAULT.GDT 9/26/13

ATTACHMENT C

LABORATORY REPORTS

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

September 20, 2013

Project: 95607

Submittal Date: 09/17/2013
Group Number: 1419295
PO Number: 0015118368
Release Number: SHRILL HOPKINS
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
VP-1-S-3.5-130910 Grab Soil	7200094
VP-1-S-5-130910 Grab Soil	7200095
VP-1-S-7-130910 Grab Soil	7200096
VP-1-S-12-130910 Grab Soil	7200097
VP-2-S-3.5-130911 Grab Soil	7200098
VP-2-S-5-130911 Grab Soil	7200099
VP-2-S-7-130911 Grab Soil	7200100
VP-2-S-12-130911 Grab Soil	7200101
VP-3-S-3.5-130911 Grab Soil	7200102
VP-3-S-5-130911 Grab Soil	7200103
VP-3-S-7-130911 Grab Soil	7200104
VP-3-S-12-130911 Grab Soil	7200105
VP-4-S-3.5-130911 Grab Soil	7200106
VP-4-S-5-130911 Grab Soil	7200107
VP-5-S-3.5-130911 Grab Soil	7200108
VP-5-S-5-130911 Grab Soil	7200109
VP-5-S-7-130911 Grab Soil	7200110
VP-5-S-12-130912 Grab Soil	7200111
VP-6-S-4-130912 Grab Soil	7200112
VP-6-S-7-130912 Grab Soil	7200113
VP-6-S-12-130912 Grab Soil	7200114
VP-6-S-5-130912 Grab Soil	7200115
VP-7-S-3.5-130912 Grab Soil	7200116
VP-7-S-5-130912 Grab Soil	7200117
VP-7-S-7-130912 Grab Soil	7200118
VP-8-S-3.5-130913 Grab Soil	7200119
VP-8-S-5-130913 Grab Soil	7200120
VP-8-S-7-130913 Grab Soil	7200121
VP-9-S-3.5-130913 Grab Soil	7200122
VP-9-S-5.5-130913 Grab Soil	7200123
VP-9-S-6.5-130913 Grab Soil	7200124

VP-10-S-3.5-130913 Grab Soil	7200125
VP-10-S-5-130913 Grab Soil	7200126
VP-10-S-7-130913 Grab Soil	7200127

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Judy Gilbert

Respectfully Submitted,

Natalie R. Luciano
Senior Specialist

(717) 556-7258

Sample Description: VP-1-S-3.5-130910 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-1

LL Sample # SW 7200094
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/10/2013 11:30 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.11

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/17/2013 23:37	Sara E Johnson	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:15	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/17/2013 22:13	Laura M Krieger	24.11
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:16	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-1-S-5-130910 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-1

LL Sample # SW 7200095
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/10/2013 11:40 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.35

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 00:00	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:18	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/17/2013 22:50	Laura M Krieger	25.35
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:19	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-1-S-7-130910 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-1

LL Sample # SW 7200096
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/10/2013 12:35 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.51

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 00:23	Sara E Johnson	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:22	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/17/2013 23:26	Laura M Krieger	24.51
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:23	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-1-S-12-130910 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-1

LL Sample # SW 7200097
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/10/2013 14:35 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.88

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 00:45	Sara E Johnson	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:26	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 00:02	Laura M Krieger	24.88
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:27	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-2-S-3.5-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-2

LL Sample # SW 7200098
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 08:00 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.34

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 01:08	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:29	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 00:38	Laura M Krieger	24.34
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:30	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-2-S-5-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-2

LL Sample # SW 7200099
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 08:08 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.68

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 01:31	Sara E Johnson	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:33	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 01:15	Laura M Krieger	24.68
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:33	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-2-S-7-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-2

LL Sample # SW 7200100
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 08:30 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.2

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 01:53	Sara E Johnson	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:32	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 01:51	Laura M Krieger	24.2
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:39	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-2-S-12-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-2

LL Sample # SW 7200101
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 09:05 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.69

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 02:16	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:43	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 02:27	Laura M Krieger	25.69
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:43	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-3-S-3.5-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-3

LL Sample # SW 7200102
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 11:25 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	0.001	0.001	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	2.8	1	1	24.22

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 06:50	Sara E Johnson	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:46	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 05:28	Laura M Krieger	24.22
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:47	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-3-S-5-130911 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-3

LL Sample # SW 7200103
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 11:35 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.94
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.94
10237	Naphthalene	91-20-3	N.D.	0.0009	0.005	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.94
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.23

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 02:39	Sara E Johnson	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:49	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 06:05	Laura M Krieger	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:50	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-3-S-7-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-3

LL Sample # SW 7200104
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 11:40 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV37

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.06
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	1.2	1	1	24.83

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 07:13	Sara E Johnson	1.06
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:53	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 06:41	Laura M Krieger	24.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:54	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-3-S-12-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-3

LL Sample # SW 7200105
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 12:14 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.09
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.09
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.09
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.09
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.09
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.09
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.75

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 03:02	Sara E Johnson	1.09
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:56	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 07:17	Laura M Krieger	24.75
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 13:57	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-4-S-3.5-130911 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-4

LL Sample # SW 7200106
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 14:38 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.05
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.04

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 03:25	Sara E Johnson	1.05
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:00	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 07:53	Laura M Krieger	26.04
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:00	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-4-S-5-130911 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-4

LL Sample # SW 7200107
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 15:15 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.06

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 03:48	Sara E Johnson	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:02	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 08:30	Laura M Krieger	24.06
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:03	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-5-S-3.5-130911 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-5

LL Sample # SW 7200108
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 15:25 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV53

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.98
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.8

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 04:10	Sara E Johnson	0.98
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:36	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 09:06	Laura M Krieger	24.8
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:36	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-5-S-5-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-5

LL Sample # SW 7200109
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 15:35 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV55

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.08
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.08
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.08
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.08
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.08
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.08
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.23

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 07:36	Sara E Johnson	1.08
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:39	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 09:42	Laura M Krieger	25.23
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:40	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-5-S-7-130911 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-5

LL Sample # SW 7200110
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/11/2013 16:05 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.46

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 04:33	Sara E Johnson	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:42	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 10:18	Laura M Krieger	25.46
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:43	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-5-S-12-130912 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-5

LL Sample # SW 7200111
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 11:20 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV52

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.08
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.08
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.08
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.08
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.08
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.08
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.83

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 04:56	Sara E Johnson	1.08
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:30	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:46	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 10:55	Laura M Krieger	25.83
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:47	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-6-S-4-130912 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-6

LL Sample # SW 7200112
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 08:00 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV64

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.3

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 05:19	Sara E Johnson	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	5	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	6	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:53	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 14:54	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201326032428	09/17/2013 14:54	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 03:04	Laura M Krieger	24.3
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 14:56	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-6-S-4-130912 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-6

LL Sample # SW 7200112
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 08:00 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV64

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 14:57	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201326032428	09/17/2013 14:58	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201326032428	09/17/2013 14:56	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201326032428	09/17/2013 14:58	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-6-S-7-130912 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-6

LL Sample # SW 7200113
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 08:36 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV67

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.024	0.24	47.71
10237	Ethylbenzene	100-41-4	0.097	0.048	0.24	47.71
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	47.71
10237	Naphthalene	91-20-3	0.096	0.048	0.24	47.71
10237	Toluene	108-88-3	N.D.	0.048	0.24	47.71
10237	Xylene (Total)	1330-20-7	N.D.	0.048	0.24	47.71
Reporting limits were raised due to interference from the sample matrix.						
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	31	4.0	4.0	100.81

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	R132601AA	09/18/2013 07:56	Stephanie A Selis	47.71
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:03	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13260A31A	09/18/2013 11:31	Laura M Krieger	100.81
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:04	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-6-S-12-130912 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-6

LL Sample # SW 7200114
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 09:10 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.04
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.04
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.04
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.04
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.04
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.04
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.91

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132602AA	09/18/2013 06:28	Sara E Johnson	1.04
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:06	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 18:45	Laura M Krieger	25.91
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:07	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-6-S-5-130912 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-6

LL Sample # SW 7200115
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 08:25 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.026	0.26	51.23
10237	Ethylbenzene	100-41-4	1.7	0.051	0.26	51.23
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	51.23
10237	Naphthalene	91-20-3	5.0	0.051	0.26	51.23
10237	Toluene	108-88-3	N.D.	0.051	0.26	51.23
10237	Xylene (Total)	1330-20-7	0.80	0.051	0.26	51.23
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	260	190	190	4844.96

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	R132601AA	09/18/2013 08:20	Stephanie A Selis	51.23
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:10	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 17:33	Laura M Krieger	4844.96
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:11	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-7-S-3.5-130912 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-7

LL Sample # SW 7200116
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 14:50 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV73

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.43

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 20:25	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:13	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 19:21	Laura M Krieger	25.43
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:14	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-7-S-5-130912 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-7

LL Sample # SW 7200117
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 15:05 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV75

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1
10237	Toluene	108-88-3	N.D.	0.001	0.005	1
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.48

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 17:23	Chelsea B Stong	1
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:17	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 19:58	Laura M Krieger	25.48
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:18	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-7-S-7-130912 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-7

LL Sample # SW 7200118
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/12/2013 15:15 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV77

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.96
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.96
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.96
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.96
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.96
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.96
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.97

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 17:46	Chelsea B Stong	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:20	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 20:34	Laura M Krieger	23.97
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:21	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-8-S-3.5-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-8

LL Sample # SW 7200119
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 09:00 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV83

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.61

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 18:09	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:24	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 21:10	Laura M Krieger	25.61
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:24	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-8-S-5-130913 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-8

LL Sample # SW 7200120
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 09:14 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV85

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.02
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.63

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 18:31	Chelsea B Stong	1.02
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:27	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 00:12	Laura M Krieger	24.63
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:28	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-8-S-7-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-8

LL Sample # SW 7200121
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 09:50 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV87

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.85

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 18:54	Chelsea B Stong	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:31	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 00:48	Laura M Krieger	24.85
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:32	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-9-S-3.5-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-9

LL Sample # SW 7200122
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 09:40 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV93

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.94
10237	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.94
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.94
10237	Naphthalene	91-20-3	N.D.	0.0009	0.005	0.94
10237	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
10237	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.94
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.43

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 19:17	Chelsea B Stong	0.94
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:35	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 01:24	Laura M Krieger	25.43
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:35	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-9-S-5.5-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-9

LL Sample # SW 7200123
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 10:35 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV95

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.95
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.95
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.95
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.95
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.01

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 19:40	Chelsea B Stong	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:38	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 02:01	Laura M Krieger	26.01
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:39	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-9-S-6.5-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-9

LL Sample # SW 7200124
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 10:40 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV96

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.03
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.11

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132611AA	09/18/2013 20:02	Chelsea B Stong	1.03
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:42	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 02:37	Laura M Krieger	24.11
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:43	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-10-S-3.5-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-10

LL Sample # SW 7200125
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 13:40 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.95
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.95
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.95
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.95
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.95
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.95
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.12

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132612AA	09/19/2013 02:01	Stephanie A Selis	0.95
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:46	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 03:13	Laura M Krieger	26.12
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:46	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-10-S-5-130913 Grab Soil
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-10

LL Sample # SW 7200126
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 13:45 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.54

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132612AA	09/19/2013 02:24	Stephanie A Selis	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:29	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:49	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/19/2013 03:49	Laura M Krieger	25.54
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 15:49	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: **VP-10-S-7-130913 Grab Soil**
Facility# 95607 CRAW
5269 Crow Canyon-Castro Va T0600100344 VP-10

LL Sample # SW 7200127
LL Group # 1419295
Account # 10880

Project Name: 95607

Collected: 09/13/2013 14:00 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	**mg/kg**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10237	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10237	Naphthalene	91-20-3	N.D.	0.001	0.005	1.01
10237	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10237	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.9

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 BTEX/MTBE/Naph Soil	SW-846 8260B	1	B132612AA	09/19/2013 02:47	Stephanie A Selis	1.01
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	3	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	4	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	5	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	6	201326032428	09/17/2013 16:27	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:19	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:20	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	3	201326032428	09/17/2013 16:20	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	13261A31A	09/18/2013 21:47	Laura M Krieger	24.9
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201326032428	09/17/2013 16:22	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: VP-10-S-7-130913 Grab Soil **LL Sample # SW 7200127**
Facility# 95607 CRAW **LL Group # 1419295**
5269 Crow Canyon-Castro Va T0600100344 VP-10 **Account # 10880**

Project Name: 95607

Collected: 09/13/2013 14:00 by BY

Submitted: 09/17/2013 09:05
Reported: 09/20/2013 18:41

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CCV07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	2	201326032428	09/17/2013 16:23	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	3	201326032428	09/17/2013 16:25	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	4	201326032428	09/17/2013 16:23	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	5	201326032428	09/17/2013 16:24	Larry E Bevins	n.a.

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1419295
Reported: 09/20/13 at 06:41 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B132602AA	Sample number(s): 7200094-7200112,7200114								
Benzene	N.D.	0.0005	0.005	mg/kg	96		80-120		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	91		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	96		69-126		
Naphthalene	N.D.	0.001	0.005	mg/kg	98		59-123		
Toluene	N.D.	0.001	0.005	mg/kg	92		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	91		80-120		
Batch number: B132611AA	Sample number(s): 7200116-7200124								
Benzene	N.D.	0.0005	0.005	mg/kg	98	95	80-120	3	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	96	91	80-120	6	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	99	100	69-126	1	30
Naphthalene	N.D.	0.001	0.005	mg/kg	85	93	59-123	9	30
Toluene	N.D.	0.001	0.005	mg/kg	94	91	80-120	4	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	97	92	80-120	5	30
Batch number: B132612AA	Sample number(s): 7200125-7200127								
Benzene	N.D.	0.0005	0.005	mg/kg	96		80-120		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	93		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	98		69-126		
Naphthalene	N.D.	0.001	0.005	mg/kg	83		59-123		
Toluene	N.D.	0.001	0.005	mg/kg	91		80-120		
Xylene (Total)	N.D.	0.001	0.005	mg/kg	92		80-120		
Batch number: R132601AA	Sample number(s): 7200113,7200115								
Benzene	N.D.	0.025	0.25	mg/kg	107	100	80-120	7	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	102	95	80-120	6	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	108	108	69-126	0	30
Naphthalene	N.D.	0.050	0.25	mg/kg	93	94	59-123	1	30
Toluene	N.D.	0.050	0.25	mg/kg	104	97	80-120	7	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	101	95	80-120	7	30
Batch number: 13260A31A	Sample number(s): 7200094-7200113								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	76		67-119		
Batch number: 13261A31A	Sample number(s): 7200114-7200127								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	78		67-119		

Sample Matrix Quality Control

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1419295
Reported: 09/20/13 at 06:41 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: B132602AA	Sample number(s): 7200094-7200112,7200114 UNSPK: 7200112								
Benzene	76	71	55-143	5	30				
Ethylbenzene	51	42*	44-141	19	30				
Methyl Tertiary Butyl Ether	93	94	55-129	3	30				
Naphthalene	65	65	10-138	2	30				
Toluene	64	57	50-146	12	30				
Xylene (Total)	52	44	44-136	17	30				
Batch number: B132611AA	Sample number(s): 7200116-7200124 BKG: P200129								
Benzene						N.D.	N.D.	0 (1)	30
Ethylbenzene						N.D.	N.D.	0 (1)	30
Methyl Tertiary Butyl Ether						N.D.	N.D.	0 (1)	30
Naphthalene						N.D.	N.D.	0 (1)	30
Toluene						N.D.	N.D.	0 (1)	30
Batch number: B132612AA	Sample number(s): 7200125-7200127 UNSPK: P195526								
Benzene	67	140	55-143	56*	30				
Ethylbenzene	45	81	44-141	45*	30				
Methyl Tertiary Butyl Ether	91	96	55-129	12	30				
Naphthalene	35	62	10-138	31*	30				
Toluene	90	108	50-146	23	30				
Xylene (Total)	7*	121	44-136	51*	30				
Batch number: 13260A31A	Sample number(s): 7200094-7200113 UNSPK: 7200112								
TPH-GRO N. CA soil C6-C12	71	72	39-118	1	30				
Batch number: 13261A31A	Sample number(s): 7200114-7200127 UNSPK: 7200127								
TPH-GRO N. CA soil C6-C12	76	71	39-118	8	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B132602AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7200094	99	104	96	97
7200095	97	100	98	94
7200096	99	102	96	95
7200097	99	99	99	87
7200098	98	99	97	91
7200099	100	102	95	94
7200100	99	103	95	93
7200101	99	102	95	93
7200102	99	101	100	94
7200103	97	97	101	88
7200104	99	98	100	91

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1419295
Reported: 09/20/13 at 06:41 PM

Surrogate Quality Control

7200105	97	96	100	94
7200106	101	106	95	96
7200107	99	100	97	91
7200108	98	99	99	90
7200109	100	99	97	95
7200110	101	102	96	93
7200111	99	98	97	91
7200112	99	100	96	91
7200114	99	97	103	88
Blank	97	98	96	96
LCS	97	100	98	96
MS	99	98	101	96
MSD	100	100	99	96
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B132611AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7200116	102	99	97	94
7200117	103	101	96	92
7200118	105	105	95	95
7200119	102	98	94	90
7200120	103	98	93	90
7200121	104	103	94	90
7200122	103	99	94	91
7200123	103	99	95	88
7200124	104	100	95	91
Blank	100	103	97	97
DUP	103	99	96	92
LCS	99	101	97	100
LCSD	99	95	96	96
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: B132612AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7200125	105	103	95	93
7200126	103	99	99	92
7200127	104	103	97	92
Blank	103	106	95	94
LCS	101	99	98	96
MS	101	103	122	81
MSD	101	101	127	80
Limits:	50-141	54-135	52-141	50-131

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: R132601AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7200113	85	86	79	84
7200115	85	86	83	87

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1419295
Reported: 09/20/13 at 06:41 PM

Surrogate Quality Control

Blank	96	99	93	94
LCS	104	112	102	103
LCSD	103	105	98	102
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 13260A31A

	Trifluorotoluene-F
7200094	71
7200095	71
7200096	71
7200097	67
7200098	65
7200099	69
7200100	68
7200101	65
7200102	61
7200103	70
7200104	62
7200105	65
7200106	67
7200107	70
7200108	66
7200109	66
7200110	64
7200111	65
7200112	65
7200113	86
Blank	75
LCS	78
MS	64
MSD	67
Limits:	50-142

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 13261A31A

	Trifluorotoluene-F
7200114	69
7200115	181*
7200116	75
7200117	70
7200118	72
7200119	71
7200120	69
7200121	70
7200122	66
7200123	70
7200124	71
7200125	69
7200126	69
7200127	69
Blank	81

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1419295
Reported: 09/20/13 at 06:41 PM

Surrogate Quality Control

LCS	81
MS	66
MSD	69
Limits:	50-142

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

0916/3-03 Acct. # 1 of 4 10880 Group # 1419295 Sample # 720094-127

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

GLOBAL ID # T0600100349

1 Client Information

Facility # CHEVRON 95607 WBS 07.11/08.04

Site Address 5269 CROW CANYON ROAD, CASTRO VALLEY, CA

Chevron PM ERIC HETRICK Lead Consultant CRA

Consultant/Office 5900 HOLLIS ST, STE A, EMERYVILLE, CA

Consultant Project Mgr. JUDY GILBERT

Consultant Phone # (510) 420-3314

Sampler B. YIFRU / O. YAN

4 Matrix

Soil ☒ Sediment ☐ Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Oil ☐ Air ☐

5 Analyses Requested

2 Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	Total Number of Containers	BTEX + MTBE 8021 ☐ / 8260 ☒	TPH GRO 8015 ☒ / 8260 ☐	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	NAPHTHALENE BY EPA 8260B
VP-1 @3.5	09/10/13	11:30	X		1	X	X							X
VP-1 @5	09/10/13	11:40												
VP-1 @7	09/10/13	12:35												
VP-1 @12	09/10/13	14:35												
VP-2 @3.5	09/11/13	08:00												
VP-2 @5	09/11/13	08:08												
VP-2 @7	09/11/13	08:30												
VP-2 @12	09/11/13	09:05												
VP-3 @3.5	09/11/13	11:25												
VP-3 @5	09/11/13	11:35												
VP-3 @7	09/11/13	11:40												
VP-3 @12	09/11/13	12:14												
VP-4 @3.5	09/11/13	14:30												

SCR #: _____

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

email results to:
jgilbert@craworld.com,
byifru@craworld.com

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | (48 hour) | 24 hour

8 Data Package Options (please circle if required)

Type I - Full | Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time
	09/11/13	17:45	CRA SECURE LOCATION	09/11/13	17:45
	09/16/13	1380		9/16/13	1330
Relinquished by Commercial Carrier: UPS ___ FedEx ___ Other 1634			Received by UPS	Date	Time

9

Temperature Upon Receipt 0.5 °C

Custody Seals Intact? (Yes) No

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

091613-03 4DAY GLOBAL ID # T0600100344

Acct. # 10880 Group # 1419295 Sample # 7200094-127

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # CHEVRON 95607 WBS 07.11/08.04

Site Address 8269 CROW CANYON RD., CASTRO VALLEY, CA

Chevron PM ERIC HETRICK Lead Consultant CRA

Consultant/Office 5900 HOLLIS ST. SUITE A, EMERYVILLE, CA

Consultant Project Mgr. JUDY GILBERT

Consultant Phone # (510) 420-3314

Sampler B.YIFRU/O.YAN

4 Matrix

Sediment ☐ Soil ☒

Ground Water ☐ Potable ☐ NPDES ☐

Surface Water ☐ NPDES ☐

Air ☐

Oil ☐

3 Grab / Composite

5 Analyses Requested

Total Number of Containers

BTEX + MTBE 8021 ☐ 8260 ☒

TPH GRO 8015 ☒ 8260 ☐

TPH 8015 MOD DRO

Silica Gel Cleanup

8260 Full Scan

Oxygenates _____

Total Lead Method _____

Dissolved Lead Method _____

NAPHTHALENE BY EPA 8260B

2 Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Total Number of Containers	BTEX + MTBE 8021 8260	TPH GRO 8015 8260	NAPHTHALENE BY EPA 8260B
VP-4 @ 5	09/11/13	1515	X		X	1	X	X	X
VP-5 @ 3.5	09/11/13	1525							
VP-5 @ 5	09/11/13	1535							
VP-5 @ 7	09/11/13	1605							
VP-5 @ 12	09/12/13	11:20							
VP-6 @ 4	09/12/13	0800							
VP-6 @ 7	09/12/13	0836							
VP-6 @ 12	09/12/13	0910							
VP-6 @ 5	09/12/13	0825							
VP-7 @ 3.5	09/12/13	14:50							
VP-7 @ 5	09/12/13	1505							
VP-7 @ 7	09/12/13	1515							

SCR #: _____

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

EMAIL RESULTS TO:

JGILBERT@CRAWORLD.COM

BYIFRU@CRAWORLD.COM

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | (48 hour) | 24 hour

8 Data Package Options (please circle if required)

Type I - Full | Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time
	09/12/13	16:40	CRA SECURE LOCATION	09/12/13	16:40
	09/16/13	13:30		9/16/13	1330
Commercial Carrier: UPS FedEx Other	16SEP13 1630		UPS		

Temperature Upon Receipt 0.5 °C

Custody Seals Intact? (Yes) No

9

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

09/613-03 3 day
GLOBAL ID # T0600100344

Acct. # 10880 Group # 1419295 Sample # 7200094-127

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # CHEVRON 95607 WBS 07.11/08.04

Site Address 5269 CROW CANYON ROAD, CASTRO VALLEY, CA

Chevron PM ERIC HETRICK Lead Consultant CRA

Consultant/Office 5900 HOLLIS ST. SUITE A, EMERYVILLE, CA

Consultant Project Mgr. JUDY GILBERT

Consultant Phone # (510) 420-3314

Sampler B. YIFRU / O. YAN

4 Matrix

Soil ☒ Sediment ☐ Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Oil ☐ Air ☐

3 Grab / Composite

5 Analyses Requested

2 Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE 8021	TPH GRO 8015	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	NAPHTHALENE BY EPA 8260B
VP-8 @ 3.5	09/13/13	0900	X		X			1	X	X							X
VP-8 @ 5	09/13/13	0914															
VP-8 @ 7	09/13/13	0950															
VP-9 @ 3.5	09/13/13	0940															
VP-9 @ 5.5	09/13/13	1035															
VP-9 @ 6.5	09/13/13	1040															
VP-10 @ 3.5	09/13/13	1340															
VP-10 @ 5	09/13/13	1345															
VP-10 @ 7	09/13/13	1400	↓		↓			↓	↓	↓							↓
VP-3 @ 3.5	9/11/13	1000															
VP-3 @ 5.0	9/11/13	1005															

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

EMAIL RESULTS TO:
JGILBERT@CRAWORLD.COM
BYIFRU@CRAWORLD.COM

} DISCARD THESE TWO SAMPLES.

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

8 Data Package Options (please circle if required)

Type I - Full | Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time
	09/13/13	1600	CRA SECURE LOCATION	09/13/13	1600
	09/16/13	1330		9/16/13	1330
Commercial Carrier: UPS ___ FedEx ___ Other ___ 1638	16 SEP 13		UPS		

Temperature Upon Receipt 0.5 °C

Custody Seals Intact? Yes / No

9

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

eurofins | Air Toxics

9/23/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: FORMER CHEVRON 95607
Project #: 311950
Workorder #: 1309346

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-17 VI are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Maria Barajas at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Maria Barajas

Project Manager

WORK ORDER #: 1309346

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 FORMER CHEVRON 95607
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST
01A	VP-7-3.5	Modified TO-17 VI
02A	VP-7-7	Modified TO-17 VI
03A	VP-8-3.5	Modified TO-17 VI
04A	VP-8-7	Modified TO-17 VI
05A	VP-10-3.5	Modified TO-17 VI
06A	VP-10-7	Modified TO-17 VI
07A	VP-9-3.5	Modified TO-17 VI
08A	VP-1-7	Modified TO-17 VI
09A	VP-1-12	Modified TO-17 VI
10A	VP-1-12-DUP	Modified TO-17 VI
11A	VP-2-7	Modified TO-17 VI
12A	VP-2-12	Modified TO-17 VI
13A	VP-3-7	Modified TO-17 VI
14A	VP-3-12	Modified TO-17 VI
15A	VP-4-5.5	Modified TO-17 VI
16A	VP-5-7	Modified TO-17 VI
17A	VP-5-12	Modified TO-17 VI
18A	VP-6-7	Modified TO-17 VI
19A	VP-6-7-DUP	Modified TO-17 VI
20A	Lab Blank	Modified TO-17 VI
20B	Lab Blank	Modified TO-17 VI
21A	CCV	Modified TO-17 VI
21B	CCV	Modified TO-17 VI

Continued on next page

eurofins | Air Toxics

WORK ORDER #: 1309346

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 FORMER CHEVRON 95607
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST
22A	LCS	Modified TO-17 VI
22AA	LCSD	Modified TO-17 VI
22B	LCS	Modified TO-17 VI
22BB	LCSD	Modified TO-17 VI

CERTIFIED BY: Heidi Rayos DATE: 09/23/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified EPA Method TO-17 (VI Tubes)
Conestoga-Rovers Associates (CRA)
Workorder# 1309346

Nineteen TO-17 VI Tube samples were received on September 19, 2013. The laboratory performed the analysis via modified EPA Method TO-17 using GC/MS in the full scan mode. TO-17 'VI' sorbent tubes are thermally desorbed onto a secondary trap. The trap is thermally desorbed to elute the components into the GC/MS system for compound separation and detection.

A modification that may be applied to EPA Method TO-17 at the client's discretion is the requirement to transport sorbent tubes at 4 deg C. Laboratory studies demonstrate a high level of stability for VOCs on the TO-17 'VI' tube at room temperature for periods of up to 14 days. Tubes can be shipped to and from the field site at ambient conditions as long as the 14-day sample hold time is upheld. Trip blanks and field surrogate spikes are used as additional control measures to monitor recovery and background contribution during tube transport.

Since the TO-17 VI application significantly extends the scope of target compounds addressed in EPA Method TO-15 and TO-17, the laboratory has implemented several method modifications outlined in the table below. Specific project requirements may over-ride the laboratory modifications.

Requirement	***TO-17***	***ATL Modifications***
Initial Calibration	%RSD</=30% with 2 allowed out up to 40%	VOC list: %RSD</=30% with 2 allowed out up to 40% SVOC list: %RSD</=30% with 2 allowed out up to 40%
Daily Calibration	%D for each target compound within +/-30%.	Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene within +/-40%D
Audit Accuracy	70-130%	Second source recovery limits for Fluorene, Phenanthrene, Anthracene, Fluoranthene, and Pyrene = 60-140%.
Distributed Volume Pairs	Collection of distributed volume pairs required for monitoring ambient air to insure high quality.	If site is well-characterized or performance previously verified, single tube sampling may be appropriate. Distributed pairs may be impractical for soil gas collection due to configuration and volume constraints.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A sampling volume of 0.200 L was used to convert ng to ug/m3 for the associated Lab Blanks.

The field surrogate, Naphthalene-d8, in samples VP-5-12, VP-6-7 and VP-6-7-DUP exceeded the laboratory limits of 50-150%.

Naphthalene was detected in sample VP-6-7-DUP. Because the preceding sample VP-6-7, contained concentrations exceeding the calibration range, the results for Naphthalene in sample VP-6-7-DUP may be

biased high.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-17

Client Sample ID: VP-7-3.5

Lab ID#: 1309346-01A

No Detections Were Found.

Client Sample ID: VP-7-7

Lab ID#: 1309346-02A

No Detections Were Found.

Client Sample ID: VP-8-3.5

Lab ID#: 1309346-03A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	4.7	24

Client Sample ID: VP-8-7

Lab ID#: 1309346-04A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	0.83	4.1

Client Sample ID: VP-10-3.5

Lab ID#: 1309346-05A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	0.61	3.0

Client Sample ID: VP-10-7

Lab ID#: 1309346-06A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	0.52	2.6

Client Sample ID: VP-9-3.5

Lab ID#: 1309346-07A

No Detections Were Found.

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-17

Client Sample ID: VP-1-7

Lab ID#: 1309346-08A

No Detections Were Found.

Client Sample ID: VP-1-12

Lab ID#: 1309346-09A

No Detections Were Found.

Client Sample ID: VP-1-12-DUP

Lab ID#: 1309346-10A

No Detections Were Found.

Client Sample ID: VP-2-7

Lab ID#: 1309346-11A

No Detections Were Found.

Client Sample ID: VP-2-12

Lab ID#: 1309346-12A

No Detections Were Found.

Client Sample ID: VP-3-7

Lab ID#: 1309346-13A

No Detections Were Found.

Client Sample ID: VP-3-12

Lab ID#: 1309346-14A

No Detections Were Found.

Client Sample ID: VP-4-5.5

Lab ID#: 1309346-15A

No Detections Were Found.

Client Sample ID: VP-5-7

Lab ID#: 1309346-16A

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-17

Client Sample ID: VP-5-7

Lab ID#: 1309346-16A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	1.6	8.3

Client Sample ID: VP-5-12

Lab ID#: 1309346-17A

No Detections Were Found.

Client Sample ID: VP-6-7

Lab ID#: 1309346-18A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	370 E	1900 E

Client Sample ID: VP-6-7-DUP

Lab ID#: 1309346-19A

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	23	110

eurofins | Air Toxics

Client Sample ID: VP-7-3.5

Lab ID#: 1309346-01A

EPA METHOD TO-17

File Name:	**f091925**	**Date of Extraction: NA**	**Date of Collection: 9/16/13 12:44:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 04:37 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	80	50-150

eurofins | Air Toxics

Client Sample ID: VP-7-7

Lab ID#: 1309346-02A

EPA METHOD TO-17

File Name:	**f091926**	**Date of Extraction: NA**	**Date of Collection: 9/16/13 12:54:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 05:18 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	84	50-150

eurofins | Air Toxics

Client Sample ID: VP-8-3.5

Lab ID#: 1309346-03A

EPA METHOD TO-17

File Name:	**f091927**	**Date of Extraction: NA**	**Date of Collection: 9/16/13 3:02:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 06:00 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	4.7	24

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	82	50-150

eurofins | Air Toxics

Client Sample ID: VP-8-7

Lab ID#: 1309346-04A

EPA METHOD TO-17

File Name:	**f091928**	**Date of Extraction: NA**	**Date of Collection: 9/16/13 3:14:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 06:41 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	0.83	4.1

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	84	50-150

eurofins | Air Toxics

Client Sample ID: VP-10-3.5

Lab ID#: 1309346-05A

EPA METHOD TO-17

File Name:	**6092008**	**Date of Extraction: NA**	**Date of Collection: 9/16/13 5:12:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 04:44 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	0.61	3.0

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	128	50-150

eurofins | Air Toxics

Client Sample ID: VP-10-7

Lab ID#: 1309346-06A

EPA METHOD TO-17

File Name:	**6092009**	**Date of Extraction: NA**	**Date of Collection: 9/16/13 5:22:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 05:22 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	0.52	2.6

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	134	50-150

eurofins | Air Toxics

Client Sample ID: VP-9-3.5

Lab ID#: 1309346-07A

EPA METHOD TO-17

File Name:	**6092010**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 8:49:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 06:00 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	130	50-150

eurofins | Air Toxics

Client Sample ID: VP-1-7

Lab ID#: 1309346-08A

EPA METHOD TO-17

File Name:	**6092011**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 11:15:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 06:37 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	120	50-150

eurofins | Air Toxics

Client Sample ID: VP-1-12

Lab ID#: 1309346-09A

EPA METHOD TO-17

File Name:	**6092012**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 11:55:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 07:15 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	129	50-150

eurofins | Air Toxics

Client Sample ID: VP-1-12-DUP

Lab ID#: 1309346-10A

EPA METHOD TO-17

File Name:	**6092013**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 11:55:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 07:52 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	128	50-150

eurofins | Air Toxics

Client Sample ID: VP-2-7

Lab ID#: 1309346-11A

EPA METHOD TO-17

File Name:	**6092014**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 1:07:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 08:29 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	132	50-150

eurofins | Air Toxics

Client Sample ID: VP-2-12

Lab ID#: 1309346-12A

EPA METHOD TO-17

File Name:	**6092015**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 1:40:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 09:06 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	144	50-150

eurofins | Air Toxics

Client Sample ID: VP-3-7

Lab ID#: 1309346-13A

EPA METHOD TO-17

File Name:	**6092016**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 2:36:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 09:43 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	132	50-150

eurofins | Air Toxics

Client Sample ID: VP-3-12

Lab ID#: 1309346-14A

EPA METHOD TO-17

File Name:	**6092017**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 3:27:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 10:21 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	132	50-150

eurofins | Air Toxics

Client Sample ID: VP-4-5.5

Lab ID#: 1309346-15A

EPA METHOD TO-17

File Name:	**6092018**	**Date of Extraction: NA**	**Date of Collection: 9/17/13 4:19:00 PM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 10:58 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	127	50-150

eurofins | Air Toxics

Client Sample ID: VP-5-7

Lab ID#: 1309346-16A

EPA METHOD TO-17

File Name:	**6092019**	**Date of Extraction: NA**	**Date of Collection: 9/18/13 9:22:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 11:35 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	1.6	8.3

Air Sample Volume(L): 0.200
Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	150	50-150

eurofins | Air Toxics

Client Sample ID: VP-5-12

Lab ID#: 1309346-17A

EPA METHOD TO-17

File Name:	**6092020**	**Date of Extraction: NA**	**Date of Collection: 9/18/13 10:05:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/21/13 12:13 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200

Q = Exceeds Quality Control limits.

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	160 Q	50-150

eurofins | Air Toxics

Client Sample ID: VP-6-7

Lab ID#: 1309346-18A

EPA METHOD TO-17

File Name:	**6092021**	**Date of Extraction: NA**	**Date of Collection: 9/18/13 11:50:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/21/13 12:52 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	370 E	1900 E

Air Sample Volume(L): 0.200

E = Exceeds instrument calibration range.

Q = Exceeds Quality Control limits.

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	155 Q	50-150

eurofins | Air Toxics

Client Sample ID: VP-6-7-DUP

Lab ID#: 1309346-19A

EPA METHOD TO-17

File Name:	**6092022**	**Date of Extraction: NA**	**Date of Collection: 9/18/13 11:50:00 AM**
Dil. Factor:	**1.00**		**Date of Analysis: 9/21/13 01:34 AM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	23	110

Air Sample Volume(L): 0.200

Q = Exceeds Quality Control limits.

Container Type: TO-17 VI Tube

Surrogates	%Recovery	Method Limits
Naphthalene-d8	170 Q	50-150

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309346-20A

EPA METHOD TO-17

File Name:	**f091905**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/19/13 02:00 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	107	50-150

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309346-20B

EPA METHOD TO-17

File Name:	**6092007**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 03:32 PM**

Compound	Rpt. Limit (ng)	Rpt. Limit (ug/m3)	Amount (ng)	Amount (ug/m3)
Naphthalene	0.50	2.5	Not Detected	Not Detected

Air Sample Volume(L): 0.200
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	99	50-150

eurofins | Air Toxics

Client Sample ID: CCV
Lab ID#: 1309346-21A
EPA METHOD TO-17

File Name:	**f091902**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/19/13 11:53 AM**

Compound	%Recovery
Naphthalene	86

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	120	50-150

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309346-21B

EPA METHOD TO-17

File Name:	**6092003**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 11:57 AM**

Compound	%Recovery
Naphthalene	108

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	88	50-150

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309346-22A

EPA METHOD TO-17

File Name:	**f091903**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/19/13 12:35 PM**

Compound	%Recovery	Method Limits
Naphthalene	85	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	117	50-150

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309346-22AA

EPA METHOD TO-17

File Name:	**f091904**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/19/13 01:18 PM**

Compound	%Recovery	Method Limits
Naphthalene	85	70-130

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	117	50-150

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309346-22B

EPA METHOD TO-17

File Name:	**6092004**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 12:34 PM**

Compound	%Recovery	Method Limits
Naphthalene	129	70-130

Air Sample Volume(L): 1.00
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	129	50-150

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309346-22BB

EPA METHOD TO-17

File Name:	**6092005**	**Date of Extraction: NA**	**Date of Collection: NA**
Dil. Factor:	**1.00**		**Date of Analysis: 9/20/13 01:12 PM**

Compound	%Recovery	Method Limits
Naphthalene	129	70-130

Air Sample Volume(L): 1.00

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Naphthalene-d8	102	50-150

eurofins | Air Toxics

9/25/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: 5269 Crow Canyon Rd
Project #: 311950
Workorder #: 1309347AR1

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1309347AR1

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 5269 Crow Canyon Rd
DATE RECEIVED:	09/19/2013	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	09/24/2013		
DATE REISSUED:	09/25/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-9-3.5	Modified TO-15	4.5 "Hg	15.1 psi
02A	VP-9-3.5-Dup	Modified TO-15	4.7 "Hg	15.2 psi
03A	VP-9-7	Modified TO-15	15.5 "Hg	14.7 psi
04A	VP-1-7	Modified TO-15	3.7 "Hg	15.2 psi
05A	VP-1-12	Modified TO-15	3.5 "Hg	15 psi
06A	VP-2-7	Modified TO-15	6.3 "Hg	15.1 psi
07A	VP-2-12	Modified TO-15	6.5 "Hg	14.9 psi
08A	VP-3-7	Modified TO-15	3.9 "Hg	14.6 psi
09A	VP-3-12	Modified TO-15	5.1 "Hg	14.9 psi
10A	Trip Blank	Modified TO-15	28.8 "Hg	15.3 psi
11A	Lab Blank	Modified TO-15	NA	NA
11B	Lab Blank	Modified TO-15	NA	NA
11C	Lab Blank	Modified TO-15	NA	NA
12A	CCV	Modified TO-15	NA	NA
12B	CCV	Modified TO-15	NA	NA
12C	CCV	Modified TO-15	NA	NA
13A	LCS	Modified TO-15	NA	NA
13AA	LCSD	Modified TO-15	NA	NA
13B	LCS	Modified TO-15	NA	NA
13BB	LCSD	Modified TO-15	NA	NA
13C	LCS	Modified TO-15	NA	NA
13CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 09/25/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
Conestoga-Rovers Associates (CRA)
Workorder# 1309347AR1

Ten 1 Liter Summa Canister (100% Certified) samples were received on September 19, 2013. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC). Sample Trip Blank was added to the analytical request.

Sample VP-9-7 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Dilution was performed on samples VP-3-7 and VP-3-12 due to matrix interference.

THE WORKORDER WAS REISSUED ON 9/25/13 TO REPORT THE ADDITIONAL COMPOUND METHYL TERT-BUTYL ETHER AS REQUIRED BY THE PROJECT SPECIFICATIONS.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-9-3.5

Lab ID#: 1309347AR1-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	17	3.8	56
Ethyl Benzene	1.2	14	5.2	60
Toluene	1.2	18	4.5	66
m,p-Xylene	1.2	35	5.2	150
o-Xylene	1.2	2.8	5.2	12
Naphthalene	4.8	5.1	25	27
TPH ref. to Gasoline (MW=100)	60	2400	240	9700

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347AR1-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	17	3.8	56
Ethyl Benzene	1.2	2.1	5.2	9.0
Toluene	1.2	18	4.5	66
m,p-Xylene	1.2	12	5.2	54
o-Xylene	1.2	2.3	5.2	10
TPH ref. to Gasoline (MW=100)	60	1700	250	6900

Client Sample ID: VP-9-7

Lab ID#: 1309347AR1-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	2.1	7.3	6.6	23
Toluene	2.1	15	7.8	55
m,p-Xylene	2.1	6.6	9.0	29
TPH ref. to Gasoline (MW=100)	100	1400	420	5600

Client Sample ID: VP-1-7

Lab ID#: 1309347AR1-04A

No Detections Were Found.

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1-12

Lab ID#: 1309347AR1-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.1	1.1	4.3	4.3

Client Sample ID: VP-2-7

Lab ID#: 1309347AR1-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	1.6	4.1	5.0
Toluene	1.3	2.2	4.8	8.2
Naphthalene	5.1	5.8	27	30
TPH ref. to Gasoline (MW=100)	64	210	260	860

Client Sample ID: VP-2-12

Lab ID#: 1309347AR1-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	4.8	4.1	16
Ethyl Benzene	1.3	1.4	5.6	6.3
Toluene	1.3	15	4.8	57
m,p-Xylene	1.3	5.8	5.6	25
o-Xylene	1.3	1.7	5.6	7.4
TPH ref. to Gasoline (MW=100)	64	880	260	3600

Client Sample ID: VP-3-7

Lab ID#: 1309347AR1-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	19000	760000	78000	3100000

Client Sample ID: VP-3-12

Lab ID#: 1309347AR1-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-3-12

Lab ID#: 1309347AR1-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	2400	170000	9900	710000

Client Sample ID: Trip Blank

Lab ID#: 1309347AR1-10A

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: VP-9-3.5

Lab ID#: 1309347AR1-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092018r1**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 9/20/13 06:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	17	3.8	56
Ethyl Benzene	1.2	14	5.2	60
Toluene	1.2	18	4.5	66
m,p-Xylene	1.2	35	5.2	150
o-Xylene	1.2	2.8	5.2	12
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
Naphthalene	4.8	5.1	25	27
TPH ref. to Gasoline (MW=100)	60	2400	240	9700

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347AR1-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092019r1**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.41**	**Date of Analysis: 9/20/13 07:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	17	3.8	56
Ethyl Benzene	1.2	2.1	5.2	9.0
Toluene	1.2	18	4.5	66
m,p-Xylene	1.2	12	5.2	54
o-Xylene	1.2	2.3	5.2	10
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected
TPH ref. to Gasoline (MW=100)	60	1700	250	6900

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: VP-9-7

Lab ID#: 1309347AR1-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092020r1**	**Date of Collection: 9/17/13 9:54:00 AM**	
Dil. Factor:	**4.14**	**Date of Analysis: 9/20/13 08:27 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	2.1	7.3	6.6	23
Ethyl Benzene	2.1	Not Detected	9.0	Not Detected
Toluene	2.1	15	7.8	55
m,p-Xylene	2.1	6.6	9.0	29
o-Xylene	2.1	Not Detected	9.0	Not Detected
Methyl tert-butyl ether	2.1	Not Detected	7.5	Not Detected
Naphthalene	8.3	Not Detected	43	Not Detected
TPH ref. to Gasoline (MW=100)	100	1400	420	5600

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: VP-1-7

Lab ID#: 1309347AR1-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092022r1**	**Date of Collection: 9/17/13 11:07:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/20/13 09:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	58	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: VP-1-12

Lab ID#: 1309347AR1-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092023r1**	**Date of Collection: 9/17/13 11:48:00 AM**	
Dil. Factor:	**2.28**	**Date of Analysis: 9/20/13 10:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.1	Not Detected	3.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
Toluene	1.1	1.1	4.3	4.3
m,p-Xylene	1.1	Not Detected	5.0	Not Detected
o-Xylene	1.1	Not Detected	5.0	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.1	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	57	Not Detected	230	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: VP-2-7

Lab ID#: 1309347AR1-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092024r1**	**Date of Collection: 9/17/13 1:03:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/20/13 10:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	1.6	4.1	5.0
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
Toluene	1.3	2.2	4.8	8.2
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
Naphthalene	5.1	5.8	27	30
TPH ref. to Gasoline (MW=100)	64	210	260	860

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: VP-2-12

Lab ID#: 1309347AR1-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092025r1**	**Date of Collection: 9/17/13 1:38:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/21/13 08:30 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	4.8	4.1	16
Ethyl Benzene	1.3	1.4	5.6	6.3
Toluene	1.3	15	4.8	57
m,p-Xylene	1.3	5.8	5.6	25
o-Xylene	1.3	1.7	5.6	7.4
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
Naphthalene	5.1	Not Detected	27	Not Detected
TPH ref. to Gasoline (MW=100)	64	880	260	3600

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: VP-3-7

Lab ID#: 1309347AR1-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092111r1**	**Date of Collection: 9/17/13 2:28:00 PM**	
Dil. Factor:	**763**	**Date of Analysis: 9/21/13 03:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	380	Not Detected	1200	Not Detected
Ethyl Benzene	380	Not Detected	1600	Not Detected
Toluene	380	Not Detected	1400	Not Detected
m,p-Xylene	380	Not Detected	1600	Not Detected
o-Xylene	380	Not Detected	1600	Not Detected
Methyl tert-butyl ether	380	Not Detected	1400	Not Detected
Naphthalene	1500	Not Detected	8000	Not Detected
TPH ref. to Gasoline (MW=100)	19000	760000	78000	3100000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: VP-3-12

Lab ID#: 1309347AR1-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092320r1**	**Date of Collection: 9/17/13 3:17:00 PM**	
Dil. Factor:	**97.2**	**Date of Analysis: 9/23/13 10:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	49	Not Detected	160	Not Detected
Ethyl Benzene	49	Not Detected	210	Not Detected
Toluene	49	Not Detected	180	Not Detected
m,p-Xylene	49	Not Detected	210	Not Detected
o-Xylene	49	Not Detected	210	Not Detected
Methyl tert-butyl ether	49	Not Detected	180	Not Detected
Naphthalene	190	Not Detected	1000	Not Detected
TPH ref. to Gasoline (MW=100)	2400	170000	9900	710000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	95	70-130

eurofins | Air Toxics

Client Sample ID: Trip Blank

Lab ID#: 1309347AR1-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092108r1**	**Date of Collection: 9/17/13**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 01:39 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347AR1-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347AR1-11B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092107**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 12:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347AR1-11C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092307**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 01:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347AR1-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 09:30 AM**	

Compound	%Recovery
Benzene	90
Ethyl Benzene	96
Toluene	88
m,p-Xylene	100
o-Xylene	99
Methyl tert-butyl ether	106
Naphthalene	92
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347AR1-12B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 09:36 AM**	

Compound	%Recovery
Benzene	87
Ethyl Benzene	93
Toluene	88
m,p-Xylene	99
o-Xylene	98
Methyl tert-butyl ether	107
Naphthalene	95
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347AR1-12C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 09:03 AM**	

Compound	%Recovery
Benzene	85
Ethyl Benzene	92
Toluene	85
m,p-Xylene	96
o-Xylene	94
Methyl tert-butyl ether	107
Naphthalene	91
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309347AR1-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 09:53 AM**	

Compound	%Recovery	Method Limits
Benzene	92	70-130
Ethyl Benzene	97	70-130
Toluene	91	70-130
m,p-Xylene	104	70-130
o-Xylene	100	70-130
Methyl tert-butyl ether	111	70-130
Naphthalene	65	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309347AR1-13AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 10:11 AM**	

Compound	%Recovery	Method Limits
Benzene	92	70-130
Ethyl Benzene	97	70-130
Toluene	91	70-130
m,p-Xylene	104	70-130
o-Xylene	102	70-130
Methyl tert-butyl ether	106	70-130
Naphthalene	68	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309347AR1-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 10:12 AM**	

Compound	%Recovery	Method Limits
Benzene	91	70-130
Ethyl Benzene	97	70-130
Toluene	90	70-130
m,p-Xylene	104	70-130
o-Xylene	99	70-130
Methyl tert-butyl ether	111	70-130
Naphthalene	69	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309347AR1-13BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 10:30 AM**	

Compound	%Recovery	Method Limits
Benzene	92	70-130
Ethyl Benzene	97	70-130
Toluene	91	70-130
m,p-Xylene	103	70-130
o-Xylene	100	70-130
Methyl tert-butyl ether	111	70-130
Naphthalene	71	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309347AR1-13C

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 09:44 AM**	

Compound	%Recovery	Method Limits
Benzene	89	70-130
Ethyl Benzene	94	70-130
Toluene	87	70-130
m,p-Xylene	100	70-130
o-Xylene	98	70-130
Methyl tert-butyl ether	108	70-130
Naphthalene	65	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309347AR1-13CC

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 10:16 AM**	

Compound	%Recovery	Method Limits
Benzene	85	70-130
Ethyl Benzene	93	70-130
Toluene	85	70-130
m,p-Xylene	99	70-130
o-Xylene	96	70-130
Methyl tert-butyl ether	105	70-130
Naphthalene	67	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

9/24/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: 5269 Crow Canyon Rd
Project #: 311950
Workorder #: 1309347B

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 APH are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Maria Barajas at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Maria Barajas

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1309347B

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 5269 Crow Canyon Rd
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-9-3.5	Modified TO-15 APH	4.5 "Hg	15.1 psi
01B	VP-9-3.5	Modified TO-15 APH	4.5 "Hg	15.1 psi
02A	VP-9-3.5-Dup	Modified TO-15 APH	4.7 "Hg	15.2 psi
02B	VP-9-3.5-Dup	Modified TO-15 APH	4.7 "Hg	15.2 psi
03A	VP-9-7	Modified TO-15 APH	15.5 "Hg	14.7 psi
03B	VP-9-7	Modified TO-15 APH	15.5 "Hg	14.7 psi
04A	VP-1-7	Modified TO-15 APH	3.7 "Hg	15.2 psi
04B	VP-1-7	Modified TO-15 APH	3.7 "Hg	15.2 psi
05A	VP-1-12	Modified TO-15 APH	3.5 "Hg	15 psi
05B	VP-1-12	Modified TO-15 APH	3.5 "Hg	15 psi
06A	VP-2-7	Modified TO-15 APH	6.3 "Hg	15.1 psi
06B	VP-2-7	Modified TO-15 APH	6.3 "Hg	15.1 psi
07A	VP-2-12	Modified TO-15 APH	6.5 "Hg	14.9 psi
07B	VP-2-12	Modified TO-15 APH	6.5 "Hg	14.9 psi
08A	VP-3-7	Modified TO-15 APH	3.9 "Hg	14.6 psi
08B	VP-3-7	Modified TO-15 APH	3.9 "Hg	14.6 psi
09A	VP-3-12	Modified TO-15 APH	5.1 "Hg	14.9 psi
09B	VP-3-12	Modified TO-15 APH	5.1 "Hg	14.9 psi
10A	Lab Blank	Modified TO-15 APH	NA	NA
10B	Lab Blank	Modified TO-15 APH	NA	NA
10C	Lab Blank	Modified TO-15 APH	NA	NA
10D	Lab Blank	Modified TO-15 APH	NA	NA
10E	Lab Blank	Modified TO-15 APH	NA	NA

Continued on next page

eurofins | Air Toxics

WORK ORDER #: 1309347B

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 5269 Crow Canyon Rd
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
10F	Lab Blank	Modified TO-15 APH	NA	NA
11A	CCV	Modified TO-15 APH	NA	NA
11B	CCV	Modified TO-15 APH	NA	NA
11C	CCV	Modified TO-15 APH	NA	NA
11D	CCV	Modified TO-15 APH	NA	NA
11E	CCV	Modified TO-15 APH	NA	NA
11F	CCV	Modified TO-15 APH	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 09/24/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 & VPH Fractions
Conestoga-Rovers Associates (CRA)
Workorder# 1309347B

Nine 1 Liter Summa Canister (100% Certified) samples were received on September 19, 2013. The laboratory performed analysis via EPA Method TO-15 and Air Toxics VPH (Volatile Petroleum Hydrocarbon) methods for the Determination of VPH Fractions using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. This method is designed to measure gaseous phase aliphatic and aromatic compounds in ambient air and soil gas collected in stainless steel Summa canisters. Air Toxics VPH method is a hybrid of EPA TO-15, MADEP APH and WSDE VPH methods. Chromatographic peaks were identified via mass spectrum as either aliphatic or aromatic petroleum hydrocarbons and included in the appropriate range as defined by the method. The volatile Aliphatic hydrocarbons are collectively quantified within the C5 to C6 range, C6 to C8 range, C8 to C10 range and the C10 to C12 range. Additionally, the volatile Aromatic hydrocarbons are collectively quantified within the C8 to C10 range and the C10 to C12 range. The Aromatic ranges refer to the equivalent carbon (EC) ranges.

Aliphatic data is calculated from the Total Ion chromatogram which has been reprocessed in a duplicate file differentiated from the original by the addition of an alphanumeric extension. The Aromatic calculation also uses the information contained in the associated Extracted Ion file.

Receiving Notes

Sample VP-9-7 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

Dilution was performed on samples VP-3-7 and VP-3-12 due to matrix interference.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-9-3.5

Lab ID#: 1309347B-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	350	77	1100
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	230	98	960
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	98	140	570

Client Sample ID: VP-9-3.5

Lab ID#: 1309347B-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	24	99	120	490

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347B-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	330	78	1100
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	210	99	850
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	46	140	270

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347B-02B

No Detections Were Found.

Client Sample ID: VP-9-7

Lab ID#: 1309347B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	41	64	130	210

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-9-7

Lab ID#: 1309347B-03A

>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	41	78	290	540

Client Sample ID: VP-9-7

Lab ID#: 1309347B-03B

No Detections Were Found.

Client Sample ID: VP-1-7

Lab ID#: 1309347B-04A

No Detections Were Found.

Client Sample ID: VP-1-7

Lab ID#: 1309347B-04B

No Detections Were Found.

Client Sample ID: VP-1-12

Lab ID#: 1309347B-05A

No Detections Were Found.

Client Sample ID: VP-1-12

Lab ID#: 1309347B-05B

No Detections Were Found.

Client Sample ID: VP-2-7

Lab ID#: 1309347B-06A

No Detections Were Found.

Client Sample ID: VP-2-7

Lab ID#: 1309347B-06B

No Detections Were Found.

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-2-12

Lab ID#: 1309347B-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	67	100	280
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	33	150	190
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	83	180	580

Client Sample ID: VP-2-12

Lab ID#: 1309347B-07B

No Detections Were Found.

Client Sample ID: VP-3-7

Lab ID#: 1309347B-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	7600	190000	25000	620000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	7600	400000	31000	1600000

Client Sample ID: VP-3-7

Lab ID#: 1309347B-08B

No Detections Were Found.

Client Sample ID: VP-3-12

Lab ID#: 1309347B-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	970	85000	3100	270000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	970	86000	4000	350000

Client Sample ID: VP-3-12

Lab ID#: 1309347B-09B

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-3-12

Lab ID#: 1309347B-09B

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: VP-9-3.5

Lab ID#: 1309347B-01A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092018a**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 9/20/13 06:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	350	77	1100
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	230	98	960
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	98	140	570
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	Not Detected	160	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-3.5

Lab ID#: 1309347B-01B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092018c**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 9/20/13 06:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	24	99	120	490
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	24	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347B-02A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092019a**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.41**	**Date of Analysis: 9/20/13 07:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	330	78	1100
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	210	99	850
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	46	140	270
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	Not Detected	170	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347B-02B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092019c**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.41**	**Date of Analysis: 9/20/13 07:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	24	Not Detected	120	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	24	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-7

Lab ID#: 1309347B-03A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092020a**	**Date of Collection: 9/17/13 9:54:00 AM**	
Dil. Factor:	**4.14**	**Date of Analysis: 9/20/13 08:27 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	41	64	130	210
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	41	Not Detected	170	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	41	Not Detected	240	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	41	78	290	540

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-7

Lab ID#: 1309347B-03B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092020c**	**Date of Collection: 9/17/13 9:54:00 AM**	
Dil. Factor:	**4.14**	**Date of Analysis: 9/20/13 08:27 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	41	Not Detected	200	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	41	Not Detected	230	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-1-7

Lab ID#: 1309347B-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092022a**	**Date of Collection: 9/17/13 11:07:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/20/13 09:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	Not Detected	75	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	Not Detected	95	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	Not Detected	160	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-1-7

Lab ID#: 1309347B-04B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092022c**	**Date of Collection:**	**9/17/13 11:07:00 AM**
Dil. Factor:	**2.32**	**Date of Analysis:**	**9/20/13 09:21 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-1-12

Lab ID#: 1309347B-05A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092023a**	**Date of Collection:**	**9/17/13 11:48:00 AM**
Dil. Factor:	**2.28**	**Date of Analysis:**	**9/20/13 10:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	Not Detected	74	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	Not Detected	93	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	Not Detected	130	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	Not Detected	160	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-1-12

Lab ID#: 1309347B-05B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092023c**	**Date of Collection:**	**9/17/13 11:48:00 AM**
Dil. Factor:	**2.28**	**Date of Analysis:**	**9/20/13 10:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	23	Not Detected	120	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-2-7

Lab ID#: 1309347B-06A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092024a**	**Date of Collection: 9/17/13 1:03:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/20/13 10:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	Not Detected	83	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	Not Detected	100	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	Not Detected	150	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-2-7

Lab ID#: 1309347B-06B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092024c**	**Date of Collection: 9/17/13 1:03:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/20/13 10:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	26	Not Detected	130	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	26	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-2-12

Lab ID#: 1309347B-07A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092025a**	**Date of Collection: 9/17/13 1:38:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/21/13 08:30 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	Not Detected	83	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	67	100	280
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	33	150	190
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	83	180	580

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-2-12

Lab ID#: 1309347B-07B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092025c**	**Date of Collection: 9/17/13 1:38:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/21/13 08:30 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	26	Not Detected	130	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	26	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-3-7

Lab ID#: 1309347B-08A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092111a**	**Date of Collection: 9/17/13 2:28:00 PM**	
Dil. Factor:	**763**	**Date of Analysis: 9/21/13 03:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	7600	190000	25000	620000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	7600	400000	31000	1600000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	7600	Not Detected	44000	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	7600	Not Detected	53000	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-3-7

Lab ID#: 1309347B-08B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092111c**	**Date of Collection:**	**9/17/13 2:28:00 PM**
Dil. Factor:	**763**	**Date of Analysis:**	**9/21/13 03:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	7600	Not Detected	38000	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	7600	Not Detected	42000	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-3-12

Lab ID#: 1309347B-09A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092320a**	**Date of Collection: 9/17/13 3:17:00 PM**	
Dil. Factor:	**97.2**	**Date of Analysis: 9/23/13 10:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	970	85000	3100	270000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	970	86000	4000	350000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	970	Not Detected	5600	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	970	Not Detected	6800	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-3-12

Lab ID#: 1309347B-09B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092320c**	**Date of Collection: 9/17/13 3:17:00 PM**	
Dil. Factor:	**97.2**	**Date of Analysis: 9/23/13 10:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	970	Not Detected	4800	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	970	Not Detected	5300	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347B-10A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092007a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347B-10B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092007c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347B-10C

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092107a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 12:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347B-10D

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092107c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 12:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347B-10E

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092307a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 01:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347B-10F

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092307c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 01:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347B-11A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092005a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 11:10 AM**	

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	91
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	81
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	69
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	84

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347B-11B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092005c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 11:10 AM**	

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	97
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	108

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347B-11C

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092105a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 11:05 AM**	

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	90
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	80
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	68
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	85

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347B-11D

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092105c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 11:05 AM**	

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	97
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	107

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347B-11E

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092305a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 11:35 AM**	

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	89
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	79
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	66
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	84

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309347B-11F

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092305c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 11:35 AM**	

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	92
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	104

Container Type: NA - Not Applicable

eurofins | Air Toxics

9/23/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: 5269 Crow Canyon Rd
Project #: 311950
Workorder #: 1309347C

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Maria Barajas at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Maria Barajas

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1309347C

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 5269 Crow Canyon Rd
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-9-3.5	Modified ASTM D-1946	4.5 "Hg	15.1 psi
02A	VP-9-3.5-Dup	Modified ASTM D-1946	4.7 "Hg	15.2 psi
03A	VP-9-7	Modified ASTM D-1946	15.5 "Hg	14.7 psi
04A	VP-1-7	Modified ASTM D-1946	3.7 "Hg	15.2 psi
05A	VP-1-12	Modified ASTM D-1946	3.5 "Hg	15 psi
06A	VP-2-7	Modified ASTM D-1946	6.3 "Hg	15.1 psi
07A	VP-2-12	Modified ASTM D-1946	6.5 "Hg	14.9 psi
08A	VP-3-7	Modified ASTM D-1946	3.9 "Hg	14.6 psi
09A	VP-3-12	Modified ASTM D-1946	5.1 "Hg	14.9 psi
10A	Trip Blank	Modified ASTM D-1946	28.8 "Hg	15.3 psi
11A	Lab Blank	Modified ASTM D-1946	NA	NA
11B	Lab Blank	Modified ASTM D-1946	NA	NA
12A	LCS	Modified ASTM D-1946	NA	NA
12AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 09/23/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Conestoga-Rovers Associates (CRA)
Workorder# 1309347C

Ten 1 Liter Summa Canister (100% Certified) samples were received on September 19, 2013. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC). Sample Trip Blank was added to the analytical request.

Sample VP-9-7 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

The Trip Blank sample has a reportable level of Oxygen present. Reanalysis confirmed the initial result.

The reporting limit for Nitrogen was raised from 0.10% to 0.50%.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-9-3.5

Lab ID#: 1309347C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	11
Nitrogen	1.2	87
Carbon Dioxide	0.024	1.5
Methane	0.00024	0.0048
Helium	0.12	0.82

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	12
Nitrogen	1.2	86
Carbon Dioxide	0.024	1.6
Methane	0.00024	0.0049
Helium	0.12	0.75

Client Sample ID: VP-9-7

Lab ID#: 1309347C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.41	14
Nitrogen	2.1	69
Carbon Dioxide	0.041	6.3
Methane	0.00041	0.0031
Helium	0.21	11

Client Sample ID: VP-1-7

Lab ID#: 1309347C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	15
Nitrogen	1.2	77

eurofins | Air Toxics

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-1-7

Lab ID#: 1309347C-04A

Carbon Dioxide	0.023	7.6

Client Sample ID: VP-1-12

Lab ID#: 1309347C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	8.9
Nitrogen	1.1	76
Carbon Dioxide	0.023	15

Client Sample ID: VP-2-7

Lab ID#: 1309347C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	8.7
Nitrogen	1.3	76
Carbon Dioxide	0.026	15
Methane	0.00026	0.0021

Client Sample ID: VP-2-12

Lab ID#: 1309347C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.6
Nitrogen	1.3	79
Carbon Dioxide	0.026	19
Methane	0.00026	0.37

Client Sample ID: VP-3-7

Lab ID#: 1309347C-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	1.9
Nitrogen	1.1	95

eurofins | Air Toxics

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-3-7

Lab ID#: 1309347C-08A

Carbon Dioxide	0.023	2.4
Methane	0.00023	0.31

Client Sample ID: VP-3-12

Lab ID#: 1309347C-09A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	1.4
Nitrogen	1.2	91
Carbon Dioxide	0.024	7.1
Methane	0.00024	0.63

Client Sample ID: Trip Blank

Lab ID#: 1309347C-10A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.23
Nitrogen	0.50	100

eurofins | Air Toxics

Client Sample ID: VP-9-3.5

Lab ID#: 1309347C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092305**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.38**	**Date of Analysis: 9/23/13 09:17 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	11
Nitrogen	1.2	87
Carbon Dioxide	0.024	1.5
Methane	0.00024	0.0048
Helium	0.12	0.82

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-3.5-Dup

Lab ID#: 1309347C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092307**	**Date of Collection: 9/17/13 8:38:00 AM**	
Dil. Factor:	**2.41**	**Date of Analysis: 9/23/13 10:10 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	12
Nitrogen	1.2	86
Carbon Dioxide	0.024	1.6
Methane	0.00024	0.0049
Helium	0.12	0.75

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-9-7

Lab ID#: 1309347C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092308**	**Date of Collection: 9/17/13 9:54:00 AM**	
Dil. Factor:	**4.14**	**Date of Analysis: 9/23/13 10:40 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.41	14
Nitrogen	2.1	69
Carbon Dioxide	0.041	6.3
Methane	0.00041	0.0031
Helium	0.21	11

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-1-7

Lab ID#: 1309347C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092309**	**Date of Collection: 9/17/13 11:07:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/23/13 11:07 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	15
Nitrogen	1.2	77
Carbon Dioxide	0.023	7.6
Methane	0.00023	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-1-12

Lab ID#: 1309347C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092310**	**Date of Collection: 9/17/13 11:48:00 AM**	
Dil. Factor:	**2.28**	**Date of Analysis: 9/23/13 11:34 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	8.9
Nitrogen	1.1	76
Carbon Dioxide	0.023	15
Methane	0.00023	Not Detected
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-2-7

Lab ID#: 1309347C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092311**	**Date of Collection: 9/17/13 1:03:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/23/13 12:03 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.26	8.7
Nitrogen	1.3	76
Carbon Dioxide	0.026	15
Methane	0.00026	0.0021
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-2-12

Lab ID#: 1309347C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092312**	**Date of Collection: 9/17/13 1:38:00 PM**	
Dil. Factor:	**2.57**	**Date of Analysis: 9/23/13 12:29 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.6
Nitrogen	1.3	79
Carbon Dioxide	0.026	19
Methane	0.00026	0.37
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-3-7

Lab ID#: 1309347C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092313**	**Date of Collection: 9/17/13 2:28:00 PM**	
Dil. Factor:	**2.29**	**Date of Analysis: 9/23/13 12:55 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.23	1.9
Nitrogen	1.1	95
Carbon Dioxide	0.023	2.4
Methane	0.00023	0.31
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-3-12

Lab ID#: 1309347C-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092316**	**Date of Collection: 9/17/13 3:17:00 PM**	
Dil. Factor:	**2.43**	**Date of Analysis: 9/23/13 02:42 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	1.4
Nitrogen	1.2	91
Carbon Dioxide	0.024	7.1
Methane	0.00024	0.63
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: Trip Blank

Lab ID#: 1309347C-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092317**	**Date of Collection: 9/17/13**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 03:09 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	0.23
Nitrogen	0.50	100
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected
Helium	0.050	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347C-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092304**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 08:47 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.50	Not Detected
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309347C-11B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092303c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 08:23 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309347C-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092302**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 07:56 AM**	

Compound	%Recovery	Method Limits
Oxygen	102	85-115
Nitrogen	100	85-115
Carbon Dioxide	102	85-115
Methane	100	85-115
Helium	99	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309347C-12AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092319**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/23/13 04:27 PM**	

Compound	%Recovery	Method Limits
Oxygen	100	85-115
Nitrogen	100	85-115
Carbon Dioxide	101	85-115
Methane	100	85-115
Helium	98	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

9/26/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: FORMER CHEVRON 95607
Project #: 311950
Workorder #: 1309348AR1

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1309348AR1

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 FORMER CHEVRON 95607
DATE RECEIVED:	09/19/2013	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	09/23/2013		
DATE REISSUED:	09/26/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-7-3.5	Modified TO-15	6.9 "Hg	14.8 psi
02A	VP-7-7	Modified TO-15	7.1 "Hg	14.4 psi
03A	VP-8-3.5	Modified TO-15	4.1 "Hg	15.1 psi
04A	VP-8-7	Modified TO-15	5.7 "Hg	14.9 psi
05A	VP-10-3.5	Modified TO-15	5.9 "Hg	15 psi
06A	VP-10-7	Modified TO-15	5.7 "Hg	14.7 psi
07A	VP-5-7	Modified TO-15	3.7 "Hg	15.3 psi
08A	VP-5-12	Modified TO-15	4.1 "Hg	14.9 psi
09A	VP-6-7	Modified TO-15	7.1 "Hg	14.5 psi
10A	VP-6-7-Dup	Modified TO-15	6.3 "Hg	15.2 psi
11A	VP-4-5.5	Modified TO-15	4.7 "Hg	15 psi
12A	Lab Blank	Modified TO-15	NA	NA
12B	Lab Blank	Modified TO-15	NA	NA
13A	CCV	Modified TO-15	NA	NA
13B	CCV	Modified TO-15	NA	NA
14A	LCS	Modified TO-15	NA	NA
14AA	LCSD	Modified TO-15	NA	NA
14B	LCS	Modified TO-15	NA	NA
14BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 09/26/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
Conestoga-Rovers Associates (CRA)
Workorder# 1309348AR1

Eleven 1 Liter Summa Canister (100% Certified) samples were received on September 19, 2013. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Dilution was performed on samples VP-8-3.5, VP-8-7, VP-5-7, VP-6-7 and VP-6-7-Dup due to the presence of high level non-target species.

The hydrocarbon profile present in sample VP-10-7 did not resemble that of commercial gasoline. Results were calculated using the response factor derived from the gasoline calibration.

THE WORKORDER WAS REISSUED ON 9/26/13 TO REPORT THE ADDITIONAL COMPOUND METHYL TERT-BUTYL ETHER AS REQUIRED BY THE PROJECT SPECIFICATIONS.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-7-3.5

Lab ID#: 1309348AR1-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	5.9	4.2	19
Toluene	1.3	4.0	4.9	15
m,p-Xylene	1.3	3.1	5.7	13
TPH ref. to Gasoline (MW=100)	65	380	270	1600

Client Sample ID: VP-7-7

Lab ID#: 1309348AR1-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	3.8	4.2	12
Ethyl Benzene	1.3	1.7	5.6	7.5
Toluene	1.3	4.6	4.9	17
m,p-Xylene	1.3	6.6	5.6	29
o-Xylene	1.3	2.1	5.6	9.0
TPH ref. to Gasoline (MW=100)	65	380	260	1600

Client Sample ID: VP-8-3.5

Lab ID#: 1309348AR1-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	2.4	21	7.5	67
Ethyl Benzene	2.4	3.9	10	17
Toluene	2.4	21	8.8	78
m,p-Xylene	2.4	12	10	54
o-Xylene	2.4	3.8	10	17
TPH ref. to Gasoline (MW=100)	120	1100	480	4400

Client Sample ID: VP-8-7

Lab ID#: 1309348AR1-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	5.0	19	16	62

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-8-7

Lab ID#: 1309348AR1-04A

Toluene	5.0	12	19	47
m,p-Xylene	5.0	6.9	22	30
TPH ref. to Gasoline (MW=100)	250	650	1000	2600

Client Sample ID: VP-10-3.5

Lab ID#: 1309348AR1-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	15	4.0	48
Ethyl Benzene	1.3	2.3	5.5	10
Toluene	1.3	12	4.7	44
m,p-Xylene	1.3	7.8	5.5	34
o-Xylene	1.3	2.8	5.5	12
TPH ref. to Gasoline (MW=100)	63	510	260	2100

Client Sample ID: VP-10-7

Lab ID#: 1309348AR1-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	3.1	16	9.9	51
Ethyl Benzene	3.1	8.3	13	36
Toluene	3.1	35	12	130
m,p-Xylene	3.1	24	13	110
o-Xylene	3.1	12	13	51
TPH ref. to Gasoline (MW=100)	150	10000	630	41000

Client Sample ID: VP-5-7

Lab ID#: 1309348AR1-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	4.8	3.7	15
Toluene	1.2	4.7	4.4	18
m,p-Xylene	1.2	2.4	5.0	11
TPH ref. to Gasoline (MW=100)	58	1600	240	6400

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-5-12

Lab ID#: 1309348AR1-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	9.3	3.7	30
Ethyl Benzene	1.2	1.6	5.0	6.9
Toluene	1.2	9.8	4.4	37
m,p-Xylene	1.2	5.3	5.0	23
o-Xylene	1.2	1.5	5.0	6.6
TPH ref. to Gasoline (MW=100)	58	5000	240	20000

Client Sample ID: VP-6-7

Lab ID#: 1309348AR1-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	870	18000	3800	81000
m,p-Xylene	870	19000	3800	81000
o-Xylene	870	3800	3800	16000
TPH ref. to Gasoline (MW=100)	44000	6700000	180000	27000000

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348AR1-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	1300	18000	5600	80000
m,p-Xylene	1300	19000	5600	81000
o-Xylene	1300	3800	5600	16000
TPH ref. to Gasoline (MW=100)	64000	6900000	260000	28000000

Client Sample ID: VP-4-5.5

Lab ID#: 1309348AR1-11A

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: VP-7-3.5

Lab ID#: 1309348AR1-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092008r1**	**Date of Collection: 9/16/13 2:42:00 PM**	
Dil. Factor:	**2.61**	**Date of Analysis: 9/20/13 01:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	5.9	4.2	19
Ethyl Benzene	1.3	Not Detected	5.7	Not Detected
Toluene	1.3	4.0	4.9	15
m,p-Xylene	1.3	3.1	5.7	13
o-Xylene	1.3	Not Detected	5.7	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.7	Not Detected
Naphthalene	5.2	Not Detected	27	Not Detected
TPH ref. to Gasoline (MW=100)	65	380	270	1600

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	104	70-130

eurofins | Air Toxics

Client Sample ID: VP-7-7

Lab ID#: 1309348AR1-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092009r1**	**Date of Collection: 9/16/13 12:23:00 PM**	
Dil. Factor:	**2.60**	**Date of Analysis: 9/20/13 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	3.8	4.2	12
Ethyl Benzene	1.3	1.7	5.6	7.5
Toluene	1.3	4.6	4.9	17
m,p-Xylene	1.3	6.6	5.6	29
o-Xylene	1.3	2.1	5.6	9.0
Methyl tert-butyl ether	1.3	Not Detected	4.7	Not Detected
Naphthalene	5.2	Not Detected	27	Not Detected
TPH ref. to Gasoline (MW=100)	65	380	260	1600

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: VP-8-3.5

Lab ID#: 1309348AR1-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092010r1**	**Date of Collection: 9/16/13 2:17:00 PM**	
Dil. Factor:	**4.70**	**Date of Analysis: 9/20/13 02:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	2.4	21	7.5	67
Ethyl Benzene	2.4	3.9	10	17
Toluene	2.4	21	8.8	78
m,p-Xylene	2.4	12	10	54
o-Xylene	2.4	3.8	10	17
Methyl tert-butyl ether	2.4	Not Detected	8.5	Not Detected
Naphthalene	9.4	Not Detected	49	Not Detected
TPH ref. to Gasoline (MW=100)	120	1100	480	4400

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: VP-8-7

Lab ID#: 1309348AR1-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092011r1**	**Date of Collection: 9/16/13 3:32:00 PM**	
Dil. Factor:	**9.96**	**Date of Analysis: 9/20/13 02:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	5.0	19	16	62
Ethyl Benzene	5.0	Not Detected	22	Not Detected
Toluene	5.0	12	19	47
m,p-Xylene	5.0	6.9	22	30
o-Xylene	5.0	Not Detected	22	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
Naphthalene	20	Not Detected	100	Not Detected
TPH ref. to Gasoline (MW=100)	250	650	1000	2600

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: VP-10-3.5

Lab ID#: 1309348AR1-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092012r1**	**Date of Collection: 9/16/13 4:26:00 PM**	
Dil. Factor:	**2.52**	**Date of Analysis: 9/20/13 03:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.3	15	4.0	48
Ethyl Benzene	1.3	2.3	5.5	10
Toluene	1.3	12	4.7	44
m,p-Xylene	1.3	7.8	5.5	34
o-Xylene	1.3	2.8	5.5	12
Methyl tert-butyl ether	1.3	Not Detected	4.5	Not Detected
Naphthalene	5.0	Not Detected	26	Not Detected
TPH ref. to Gasoline (MW=100)	63	510	260	2100

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	101	70-130

eurofins | Air Toxics

Client Sample ID: VP-10-7

Lab ID#: 1309348AR1-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092013r1**	**Date of Collection: 9/16/13 5:07:00 PM**	
Dil. Factor:	**6.18**	**Date of Analysis: 9/20/13 04:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	3.1	16	9.9	51
Ethyl Benzene	3.1	8.3	13	36
Toluene	3.1	35	12	130
m,p-Xylene	3.1	24	13	110
o-Xylene	3.1	12	13	51
Methyl tert-butyl ether	3.1	Not Detected	11	Not Detected
Naphthalene	12	Not Detected	65	Not Detected
TPH ref. to Gasoline (MW=100)	150	10000	630	41000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: VP-5-7

Lab ID#: 1309348AR1-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092014r1**	**Date of Collection: 9/18/13 9:17:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/20/13 04:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	4.8	3.7	15
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	4.7	4.4	18
m,p-Xylene	1.2	2.4	5.0	11
o-Xylene	1.2	Not Detected	5.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	58	1600	240	6400

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: VP-5-12

Lab ID#: 1309348AR1-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092015r1**	**Date of Collection: 9/18/13 10:00:00 AM**	
Dil. Factor:	**2.33**	**Date of Analysis: 9/20/13 05:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	9.3	3.7	30
Ethyl Benzene	1.2	1.6	5.0	6.9
Toluene	1.2	9.8	4.4	37
m,p-Xylene	1.2	5.3	5.0	23
o-Xylene	1.2	1.5	5.0	6.6
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
Naphthalene	4.7	Not Detected	24	Not Detected
TPH ref. to Gasoline (MW=100)	58	5000	240	20000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

eurofins | Air Toxics

Client Sample ID: VP-6-7

Lab ID#: 1309348AR1-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092112r1**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**1740**	**Date of Analysis: 9/21/13 04:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	870	Not Detected	2800	Not Detected
Ethyl Benzene	870	18000	3800	81000
Toluene	870	Not Detected	3300	Not Detected
m,p-Xylene	870	19000	3800	81000
o-Xylene	870	3800	3800	16000
Methyl tert-butyl ether	870	Not Detected	3100	Not Detected
Naphthalene	3500	Not Detected	18000	Not Detected
TPH ref. to Gasoline (MW=100)	44000	6700000	180000	27000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348AR1-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092113r1**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**2580**	**Date of Analysis: 9/21/13 05:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1300	Not Detected	4100	Not Detected
Ethyl Benzene	1300	18000	5600	80000
Toluene	1300	Not Detected	4900	Not Detected
m,p-Xylene	1300	19000	5600	81000
o-Xylene	1300	3800	5600	16000
Methyl tert-butyl ether	1300	Not Detected	4600	Not Detected
Naphthalene	5200	Not Detected	27000	Not Detected
TPH ref. to Gasoline (MW=100)	64000	6900000	260000	28000000

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: VP-4-5.5

Lab ID#: 1309348AR1-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092017r1**	**Date of Collection: 9/17/13 4:15:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 9/20/13 06:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.2	Not Detected	3.8	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected
TPH ref. to Gasoline (MW=100)	60	Not Detected	240	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348AR1-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092007r1**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348AR1-12B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092107**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 12:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309348AR1-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 09:30 AM**	

Compound	%Recovery
Benzene	90
Ethyl Benzene	96
Toluene	88
m,p-Xylene	100
o-Xylene	99
Methyl tert-butyl ether	106
Naphthalene	92
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309348AR1-13B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 09:36 AM**	

Compound	%Recovery
Benzene	87
Ethyl Benzene	93
Toluene	88
m,p-Xylene	99
o-Xylene	98
Methyl tert-butyl ether	107
Naphthalene	95
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309348AR1-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 09:53 AM**	

Compound	%Recovery	Method Limits
Benzene	92	70-130
Ethyl Benzene	97	70-130
Toluene	91	70-130
m,p-Xylene	104	70-130
o-Xylene	100	70-130
Methyl tert-butyl ether	111	70-130
Naphthalene	65	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309348AR1-14AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 10:11 AM**	

Compound	%Recovery	Method Limits
Benzene	92	70-130
Ethyl Benzene	97	70-130
Toluene	91	70-130
m,p-Xylene	104	70-130
o-Xylene	102	70-130
Methyl tert-butyl ether	106	70-130
Naphthalene	68	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309348AR1-14B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 10:12 AM**	

Compound	%Recovery	Method Limits
Benzene	91	70-130
Ethyl Benzene	97	70-130
Toluene	90	70-130
m,p-Xylene	104	70-130
o-Xylene	99	70-130
Methyl tert-butyl ether	111	70-130
Naphthalene	69	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309348AR1-14BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 10:30 AM**	

Compound	%Recovery	Method Limits
Benzene	92	70-130
Ethyl Benzene	97	70-130
Toluene	91	70-130
m,p-Xylene	103	70-130
o-Xylene	100	70-130
Methyl tert-butyl ether	111	70-130
Naphthalene	71	60-140
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

9/23/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: FORMER CHEVRON 95607
Project #: 311950
Workorder #: 1309348B

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 APH are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Maria Barajas at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Maria Barajas

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1309348B

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 FORMER CHEVRON 95607
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-7-3.5	Modified TO-15 APH	6.9 "Hg	14.8 psi
01B	VP-7-3.5	Modified TO-15 APH	6.9 "Hg	14.8 psi
02A	VP-7-7	Modified TO-15 APH	7.1 "Hg	14.4 psi
02B	VP-7-7	Modified TO-15 APH	7.1 "Hg	14.4 psi
03A	VP-8-3.5	Modified TO-15 APH	4.1 "Hg	15.1 psi
03B	VP-8-3.5	Modified TO-15 APH	4.1 "Hg	15.1 psi
04A	VP-8-7	Modified TO-15 APH	5.7 "Hg	14.9 psi
04B	VP-8-7	Modified TO-15 APH	5.7 "Hg	14.9 psi
05A	VP-10-3.5	Modified TO-15 APH	5.9 "Hg	15 psi
05B	VP-10-3.5	Modified TO-15 APH	5.9 "Hg	15 psi
06A	VP-10-7	Modified TO-15 APH	5.7 "Hg	14.7 psi
06B	VP-10-7	Modified TO-15 APH	5.7 "Hg	14.7 psi
07A	VP-5-7	Modified TO-15 APH	3.7 "Hg	15.3 psi
07B	VP-5-7	Modified TO-15 APH	3.7 "Hg	15.3 psi
08A	VP-5-12	Modified TO-15 APH	4.1 "Hg	14.9 psi
08B	VP-5-12	Modified TO-15 APH	4.1 "Hg	14.9 psi
09A	VP-6-7	Modified TO-15 APH	7.1 "Hg	14.5 psi
09B	VP-6-7	Modified TO-15 APH	7.1 "Hg	14.5 psi
10A	VP-6-7-Dup	Modified TO-15 APH	6.3 "Hg	15.2 psi
10B	VP-6-7-Dup	Modified TO-15 APH	6.3 "Hg	15.2 psi
11A	VP-4-5.5	Modified TO-15 APH	4.7 "Hg	15 psi
11B	VP-4-5.5	Modified TO-15 APH	4.7 "Hg	15 psi
12A	Lab Blank	Modified TO-15 APH	NA	NA

Continued on next page

eurofins | Air Toxics

WORK ORDER #: 1309348B

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 FORMER CHEVRON 95607
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
12B	Lab Blank	Modified TO-15 APH	NA	NA
12C	Lab Blank	Modified TO-15 APH	NA	NA
12D	Lab Blank	Modified TO-15 APH	NA	NA
13A	CCV	Modified TO-15 APH	NA	NA
13B	CCV	Modified TO-15 APH	NA	NA
13C	CCV	Modified TO-15 APH	NA	NA
13D	CCV	Modified TO-15 APH	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 09/23/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 & VPH Fractions
Conestoga-Rovers Associates (CRA)
Workorder# 1309348B

Eleven 1 Liter Summa Canister (100% Certified) samples were received on September 19, 2013. The laboratory performed analysis via EPA Method TO-15 and Air Toxics VPH (Volatile Petroleum Hydrocarbon) methods for the Determination of VPH Fractions using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. This method is designed to measure gaseous phase aliphatic and aromatic compounds in ambient air and soil gas collected in stainless steel Summa canisters. Air Toxics VPH method is a hybrid of EPA TO-15, MADEP APH and WSDE VPH methods. Chromatographic peaks were identified via mass spectrum as either aliphatic or aromatic petroleum hydrocarbons and included in the appropriate range as defined by the method. The volatile Aliphatic hydrocarbons are collectively quantified within the C5 to C6 range, C6 to C8 range, C8 to C10 range and the C10 to C12 range. Additionally, the volatile Aromatic hydrocarbons are collectively quantified within the C8 to C10 range and the C10 to C12 range. The Aromatic ranges refer to the equivalent carbon (EC) ranges.

Aliphatic data is calculated from the Total Ion chromatogram which has been reprocessed in a duplicate file differentiated from the original by the addition of an alphanumeric extension. The Aromatic calculation also uses the information contained in the associated Extracted Ion file.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples VP-8-3.5, VP-8-7, VP-5-7, VP-6-7 and VP-6-7-Dup due to matrix interference.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-7-3.5

Lab ID#: 1309348B-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	30	84	97

Client Sample ID: VP-7-3.5

Lab ID#: 1309348B-01B

No Detections Were Found.

Client Sample ID: VP-7-7

Lab ID#: 1309348B-02A

No Detections Were Found.

Client Sample ID: VP-7-7

Lab ID#: 1309348B-02B

No Detections Were Found.

Client Sample ID: VP-8-3.5

Lab ID#: 1309348B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	47	140	150	450
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	47	100	190	420

Client Sample ID: VP-8-3.5

Lab ID#: 1309348B-03B

No Detections Were Found.

Client Sample ID: VP-8-7

Lab ID#: 1309348B-04A

No Detections Were Found.

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-8-7

Lab ID#: 1309348B-04B

No Detections Were Found.

Client Sample ID: VP-10-3.5

Lab ID#: 1309348B-05A

No Detections Were Found.

Client Sample ID: VP-10-3.5

Lab ID#: 1309348B-05B

No Detections Were Found.

Client Sample ID: VP-10-7

Lab ID#: 1309348B-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	62	100	200	330
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	62	120	250	510
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	62	120	360	700
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	62	2800	430	19000

Client Sample ID: VP-10-7

Lab ID#: 1309348B-06B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	62	98	300	480

Client Sample ID: VP-5-7

Lab ID#: 1309348B-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	330	75	1100

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-5-7

Lab ID#: 1309348B-07A

>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	240	95	1000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	48	140	280
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	110	160	770

Client Sample ID: VP-5-7

Lab ID#: 1309348B-07B

No Detections Were Found.

Client Sample ID: VP-5-12

Lab ID#: 1309348B-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	2800	75	9000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	960	95	3900
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	74	140	430
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	190	160	1300

Client Sample ID: VP-5-12

Lab ID#: 1309348B-08B

No Detections Were Found.

Client Sample ID: VP-6-7

Lab ID#: 1309348B-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	17000	880000	56000	2800000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	17000	2400000	71000	9800000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	17000	140000	100000	850000

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-6-7

Lab ID#: 1309348B-09A

>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	17000	150000	120000	1000000

Client Sample ID: VP-6-7

Lab ID#: 1309348B-09B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	17000	180000	86000	900000
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	17000	38000	96000	210000

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348B-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26000	910000	84000	3000000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26000	2500000	100000	10000000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26000	140000	150000	820000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26000	140000	180000	980000

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348B-10B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	26000	170000	130000	860000
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	26000	33000	140000	180000

Client Sample ID: VP-4-5.5

Lab ID#: 1309348B-11A

No Detections Were Found.

eurofins | Air Toxics

Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-4-5.5

Lab ID#: 1309348B-11B

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: VP-7-3.5

Lab ID#: 1309348B-01A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092008a**	**Date of Collection: 9/16/13 2:42:00 PM**	
Dil. Factor:	**2.61**	**Date of Analysis: 9/20/13 01:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	30	84	97
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	Not Detected	110	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	Not Detected	150	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-7-3.5

Lab ID#: 1309348B-01B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092008c**	**Date of Collection: 9/16/13 2:42:00 PM**	
Dil. Factor:	**2.61**	**Date of Analysis: 9/20/13 01:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	26	Not Detected	130	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	26	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-7-7

Lab ID#: 1309348B-02A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092009a**	**Date of Collection: 9/16/13 12:23:00 PM**	
Dil. Factor:	**2.60**	**Date of Analysis: 9/20/13 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26	Not Detected	84	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26	Not Detected	110	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26	Not Detected	150	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-7-7

Lab ID#: 1309348B-02B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092009c**	**Date of Collection: 9/16/13 12:23:00 PM**	
Dil. Factor:	**2.60**	**Date of Analysis: 9/20/13 02:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	26	Not Detected	130	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	26	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-8-3.5

Lab ID#: 1309348B-03A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092010a**	**Date of Collection: 9/16/13 2:17:00 PM**	
Dil. Factor:	**4.70**	**Date of Analysis: 9/20/13 02:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	47	140	150	450
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	47	100	190	420
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	47	Not Detected	270	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	47	Not Detected	330	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-8-3.5

Lab ID#: 1309348B-03B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092010c**	**Date of Collection: 9/16/13 2:17:00 PM**	
Dil. Factor:	**4.70**	**Date of Analysis: 9/20/13 02:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	47	Not Detected	230	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	47	Not Detected	260	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-8-7

Lab ID#: 1309348B-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092011a**	**Date of Collection: 9/16/13 3:32:00 PM**	
Dil. Factor:	**9.96**	**Date of Analysis: 9/20/13 02:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	100	Not Detected	320	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	100	Not Detected	410	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	100	Not Detected	580	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	100	Not Detected	690	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-8-7

Lab ID#: 1309348B-04B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092011c**	**Date of Collection: 9/16/13 3:32:00 PM**	
Dil. Factor:	**9.96**	**Date of Analysis: 9/20/13 02:59 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	100	Not Detected	490	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	100	Not Detected	550	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-10-3.5

Lab ID#: 1309348B-05A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092012a**	**Date of Collection: 9/16/13 4:26:00 PM**	
Dil. Factor:	**2.52**	**Date of Analysis: 9/20/13 03:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	25	Not Detected	82	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	25	Not Detected	100	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	25	Not Detected	150	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	25	Not Detected	180	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-10-3.5

Lab ID#: 1309348B-05B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092012c**	**Date of Collection: 9/16/13 4:26:00 PM**	
Dil. Factor:	**2.52**	**Date of Analysis: 9/20/13 03:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	25	Not Detected	120	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	25	Not Detected	140	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-10-7

Lab ID#: 1309348B-06A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092013a**	**Date of Collection: 9/16/13 5:07:00 PM**	
Dil. Factor:	**6.18**	**Date of Analysis: 9/20/13 04:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	62	100	200	330
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	62	120	250	510
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	62	120	360	700
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	62	2800	430	19000

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-10-7

Lab ID#: 1309348B-06B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092013c**	**Date of Collection: 9/16/13 5:07:00 PM**	
Dil. Factor:	**6.18**	**Date of Analysis: 9/20/13 04:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	62	98	300	480
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	62	Not Detected	340	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-5-7

Lab ID#: 1309348B-07A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092014a**	**Date of Collection: 9/18/13 9:17:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/20/13 04:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	330	75	1100
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	240	95	1000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	48	140	280
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	110	160	770

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-5-7

Lab ID#: 1309348B-07B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092014c**	**Date of Collection: 9/18/13 9:17:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/20/13 04:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-5-12

Lab ID#: 1309348B-08A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092015a**	**Date of Collection: 9/18/13 10:00:00 AM**	
Dil. Factor:	**2.33**	**Date of Analysis: 9/20/13 05:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	23	2800	75	9000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	23	960	95	3900
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	23	74	140	430
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	23	190	160	1300

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-5-12

Lab ID#: 1309348B-08B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092015c**	**Date of Collection: 9/18/13 10:00:00 AM**	
Dil. Factor:	**2.33**	**Date of Analysis: 9/20/13 05:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	23	Not Detected	110	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	23	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-6-7

Lab ID#: 1309348B-09A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092112a**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**1740**	**Date of Analysis: 9/21/13 04:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	17000	880000	56000	2800000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	17000	2400000	71000	9800000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	17000	140000	100000	850000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	17000	150000	120000	1000000

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-6-7

Lab ID#: 1309348B-09B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092112c**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**1740**	**Date of Analysis: 9/21/13 04:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	17000	180000	86000	900000
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	17000	38000	96000	210000

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348B-10A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092113a**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**2580**	**Date of Analysis: 9/21/13 05:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	26000	910000	84000	3000000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	26000	2500000	100000	10000000
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	26000	140000	150000	820000
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	26000	140000	180000	980000

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348B-10B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092113c**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**2580**	**Date of Analysis: 9/21/13 05:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	26000	170000	130000	860000
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	26000	33000	140000	180000

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-4-5.5

Lab ID#: 1309348B-11A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092017a**	**Date of Collection: 9/17/13 4:15:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 9/20/13 06:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	24	Not Detected	78	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	24	Not Detected	98	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	24	Not Detected	140	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	24	Not Detected	170	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-4-5.5

Lab ID#: 1309348B-11B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092017c**	**Date of Collection: 9/17/13 4:15:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 9/20/13 06:15 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	24	Not Detected	120	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	24	Not Detected	130	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348B-12A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092007a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348B-12B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092007c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 12:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348B-12C

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092107a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 12:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348B-12D

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092107c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 12:21 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309348B-13A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092005a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 11:10 AM**	

Compound	**%Recovery**
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	91
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	81
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	69
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	84

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309348B-13B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092005c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 11:10 AM**	

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	97
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	108

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309348B-13C

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092105a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 11:05 AM**	

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	90
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	80
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	68
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	85

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1309348B-13D

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3092105c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/21/13 11:05 AM**	

Compound	%Recovery
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	97
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	107

Container Type: NA - Not Applicable

eurofins | Air Toxics

9/23/2013
Mr. Oliver Yan
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: FORMER CHEVRON 95607
Project #: 311950
Workorder #: 1309348C

Dear Mr. Oliver Yan

The following report includes the data for the above referenced project for sample(s) received on 9/19/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Maria Barajas at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Maria Barajas

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1309348C

Work Order Summary

CLIENT:	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Oliver Yan Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	311950-2013.8-07.11
FAX:	510-420-9170	**PROJECT #**	311950 FORMER CHEVRON 95607
DATE RECEIVED:	09/19/2013	**CONTACT:**	Maria Barajas
DATE COMPLETED:	09/23/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-7-3.5	Modified ASTM D-1946	6.9 "Hg	14.8 psi
02A	VP-7-7	Modified ASTM D-1946	7.1 "Hg	14.4 psi
03A	VP-8-3.5	Modified ASTM D-1946	4.1 "Hg	15.1 psi
04A	VP-8-7	Modified ASTM D-1946	5.7 "Hg	14.9 psi
05A	VP-10-3.5	Modified ASTM D-1946	5.9 "Hg	15 psi
06A	VP-10-7	Modified ASTM D-1946	5.7 "Hg	14.7 psi
07A	VP-5-7	Modified ASTM D-1946	3.7 "Hg	15.3 psi
08A	VP-5-12	Modified ASTM D-1946	4.1 "Hg	14.9 psi
09A	VP-6-7	Modified ASTM D-1946	7.1 "Hg	14.5 psi
10A	VP-6-7-Dup	Modified ASTM D-1946	6.3 "Hg	15.2 psi
11A	VP-4-5.5	Modified ASTM D-1946	4.7 "Hg	15 psi
12A	Lab Blank	Modified ASTM D-1946	NA	NA
12B	Lab Blank	Modified ASTM D-1946	NA	NA
13A	LCS	Modified ASTM D-1946	NA	NA
13AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 09/23/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Conestoga-Rovers Associates (CRA)
Workorder# 1309348C

Eleven 1 Liter Summa Canister (100% Certified) samples were received on September 19, 2013. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reporting limit for Nitrogen was raised from 0.10% to 0.50%.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-7-3.5

Lab ID#: 1309348C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	1.9
Nitrogen	1.3	82
Carbon Dioxide	0.026	16
Methane	0.00026	0.071

Client Sample ID: VP-7-7

Lab ID#: 1309348C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	7.5
Nitrogen	1.3	87
Carbon Dioxide	0.026	4.0
Methane	0.00026	0.046
Helium	0.13	1.2

Client Sample ID: VP-8-3.5

Lab ID#: 1309348C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	13
Nitrogen	1.2	86
Carbon Dioxide	0.024	0.80
Methane	0.00024	0.0076

Client Sample ID: VP-8-7

Lab ID#: 1309348C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	15
Nitrogen	1.2	81
Carbon Dioxide	0.025	1.6
Methane	0.00025	0.0044

eurofins | Air Toxics

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-8-7

Lab ID#: 1309348C-04A

Helium	0.12	2.7

Client Sample ID: VP-10-3.5

Lab ID#: 1309348C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	15
Nitrogen	1.3	82
Carbon Dioxide	0.025	3.2
Methane	0.00025	0.00053

Client Sample ID: VP-10-7

Lab ID#: 1309348C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	1.7
Nitrogen	1.2	82
Carbon Dioxide	0.025	16
Methane	0.00025	0.068

Client Sample ID: VP-5-7

Lab ID#: 1309348C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	4.5
Nitrogen	1.2	77
Carbon Dioxide	0.023	18
Methane	0.00023	0.063

Client Sample ID: VP-5-12

Lab ID#: 1309348C-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	3.3

eurofins | Air Toxics

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-5-12

Lab ID#: 1309348C-08A

Nitrogen	1.2	74
Carbon Dioxide	0.023	23
Methane	0.00023	0.13

Client Sample ID: VP-6-7

Lab ID#: 1309348C-09A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	10
Nitrogen	1.3	80
Carbon Dioxide	0.026	9.1
Methane	0.00026	0.12

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348C-10A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	11
Nitrogen	1.3	79
Carbon Dioxide	0.026	9.1
Methane	0.00026	0.11

Client Sample ID: VP-4-5.5

Lab ID#: 1309348C-11A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	21
Nitrogen	1.2	79
Carbon Dioxide	0.024	0.30

eurofins | Air Toxics

Client Sample ID: VP-7-3.5

Lab ID#: 1309348C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092007**	**Date of Collection: 9/16/13 2:42:00 PM**	
Dil. Factor:	**2.61**	**Date of Analysis: 9/20/13 10:43 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.26	1.9
Nitrogen	1.3	82
Carbon Dioxide	0.026	16
Methane	0.00026	0.071
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-7-7

Lab ID#: 1309348C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092008**	**Date of Collection: 9/16/13 12:23:00 PM**	
Dil. Factor:	**2.60**	**Date of Analysis: 9/20/13 11:13 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	7.5
Nitrogen	1.3	87
Carbon Dioxide	0.026	4.0
Methane	0.00026	0.046
Helium	0.13	1.2

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-8-3.5

Lab ID#: 1309348C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092009**	**Date of Collection: 9/16/13 2:17:00 PM**	
Dil. Factor:	**2.35**	**Date of Analysis: 9/20/13 11:50 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	13
Nitrogen	1.2	86
Carbon Dioxide	0.024	0.80
Methane	0.00024	0.0076
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-8-7

Lab ID#: 1309348C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092010**	**Date of Collection: 9/16/13 3:32:00 PM**	
Dil. Factor:	**2.49**	**Date of Analysis: 9/20/13 12:20 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.25	15
Nitrogen	1.2	81
Carbon Dioxide	0.025	1.6
Methane	0.00025	0.0044
Helium	0.12	2.7

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-10-3.5

Lab ID#: 1309348C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092011**	**Date of Collection: 9/16/13 4:26:00 PM**	
Dil. Factor:	**2.52**	**Date of Analysis: 9/20/13 12:55 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.25	15
Nitrogen	1.3	82
Carbon Dioxide	0.025	3.2
Methane	0.00025	0.00053
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-10-7

Lab ID#: 1309348C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092012**	**Date of Collection: 9/16/13 5:07:00 PM**	
Dil. Factor:	**2.47**	**Date of Analysis: 9/20/13 01:42 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.25	1.7
Nitrogen	1.2	82
Carbon Dioxide	0.025	16
Methane	0.00025	0.068
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-5-7

Lab ID#: 1309348C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092013**	**Date of Collection: 9/18/13 9:17:00 AM**	
Dil. Factor:	**2.32**	**Date of Analysis: 9/20/13 02:29 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.23	4.5
Nitrogen	1.2	77
Carbon Dioxide	0.023	18
Methane	0.00023	0.063
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-5-12

Lab ID#: 1309348C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092014**	**Date of Collection: 9/18/13 10:00:00 AM**	
Dil. Factor:	**2.33**	**Date of Analysis: 9/20/13 03:08 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.23	3.3
Nitrogen	1.2	74
Carbon Dioxide	0.023	23
Methane	0.00023	0.13
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-6-7

Lab ID#: 1309348C-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092015**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**2.61**	**Date of Analysis: 9/20/13 03:30 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	10
Nitrogen	1.3	80
Carbon Dioxide	0.026	9.1
Methane	0.00026	0.12
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-6-7-Dup

Lab ID#: 1309348C-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092016**	**Date of Collection: 9/18/13 11:48:00 AM**	
Dil. Factor:	**2.58**	**Date of Analysis: 9/20/13 03:57 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.26	11
Nitrogen	1.3	79
Carbon Dioxide	0.026	9.1
Methane	0.00026	0.11
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: VP-4-5.5

Lab ID#: 1309348C-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092019**	**Date of Collection: 9/17/13 4:15:00 PM**	
Dil. Factor:	**2.40**	**Date of Analysis: 9/20/13 05:20 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	21
Nitrogen	1.2	79
Carbon Dioxide	0.024	0.30
Methane	0.00024	Not Detected
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348C-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 09:49 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	Not Detected
Nitrogen	0.50	Not Detected
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1309348C-12B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092004c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 09:17 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1309348C-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 08:13 AM**	

Compound	%Recovery	Method Limits
Oxygen	102	85-115
Nitrogen	100	85-115
Carbon Dioxide	102	85-115
Methane	100	85-115
Helium	98	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1309348C-13AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10092030**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/20/13 10:22 PM**	

Compound	%Recovery	Method Limits
Oxygen	101	85-115
Nitrogen	101	85-115
Carbon Dioxide	102	85-115
Methane	100	85-115
Helium	98	85-115

Container Type: NA - Not Applicable