Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACHCSA Case No. RO#0145

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

CONESTOGA-ROVERS
& ASSOCIATES

19449 Riverside Drive, Suite 230, Sonoma, California 95476
Telephone: 707-935-4850 Facsimile: 707-935-6649
www.CRAworld.com

April 11, 2008

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Soil Vapor Monitoring Report – First Quarter 2008**
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACHCSA Case No: RO#0145

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,

Conestoga-Rovers & Associates

Ana Friel, PG
Project Manager

cc: Denis Brown, Shell
Rodney & Janet Kwan, property owners
Scott Merillat, 664 27th Street, Oakland, 94612
Monique Oatis, 670 27th Street, Oakland, CA 94612
Jack Chang, 559 9th Avenue, San Francisco, California 94118-3716

CONESTOGA-ROVERS
& ASSOCIATES

SOIL VAPOR MONITORING REPORT – FIRST QUARTER 2008

Site Address	2703 Martin Luther King, Jr Way, Oakland
Site Use	Former Shell Service Station
Shell Project Manager	Denis Brown
Consultant and Contact Person	CRA, Ana Friel
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	0145
Shell SAP Code	129449
Shell Incident No.	97093397
Date of Most Recent Agency Correspondence	Februar 28, 2008

Current Quarter's Activities

1. CRA sampled offsite soil vapor probes VP-7 and VP-8 on January 18, 2008. Each probe contains two screen intervals at 2.5 to 2.75 feet below grade (fbg) and 4.5 to 4.75 fbg, identified on chain-of-custody and laboratory reports as being at 3 and 5 fbg, respectively.
2. CRA prepared a vicinity map (Figure 1) and a site plan (Figure 2), and tabulated the analytical data. The laboratory analytical report is included in Attachment A.

Current Quarter's Findings

1. BTEX concentrations in soil vapor are below the November 2007 San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for a residential scenario.
2. The detection limits for total petroleum hydrocarbons as gasoline (TPHg) in the soil vapor samples collected exceeds the November 2007 updated ESL for a residential scenario. The residential ESL for TPHg was updated to 10,000 micrograms per cubic meter ($\mu g/m^3$) from 26,000 $\mu g/m^3$.

Proposed Activities for Next Quarter

1. CRA will sample offsite soil vapor probes VP-7 and VP-8 during the first month of the quarter, with a subsequent report to be submitted 30 days following the end of the quarter.
2. The analytical labatory is evaluating methodology for achieving reporting limits below the new ESL.

Figures: 1 - Vicinity Map
2 - Site Plan

Table: 1 - Soil Vapor Analytical Data

Attachments: A - Analytical Report

I:\Sonoma.Shell\Oakland 2703 Martin Luther King Jr Way\QVMRs-Vapor\2008\1Q08\Text CRA 2703 MLK Oakland 1Q08 vapor.doc

08/15/07

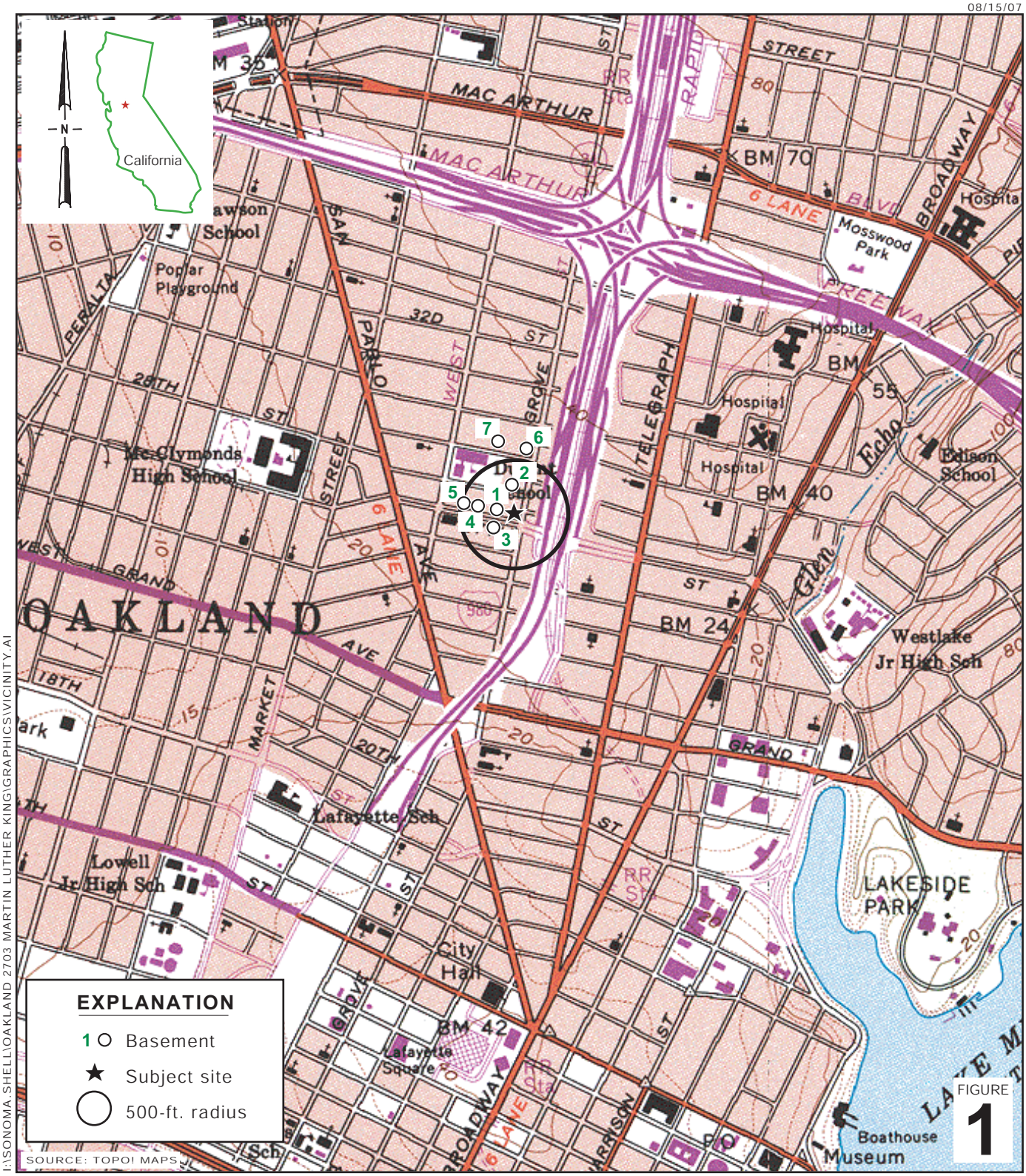

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FIGURE 1

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

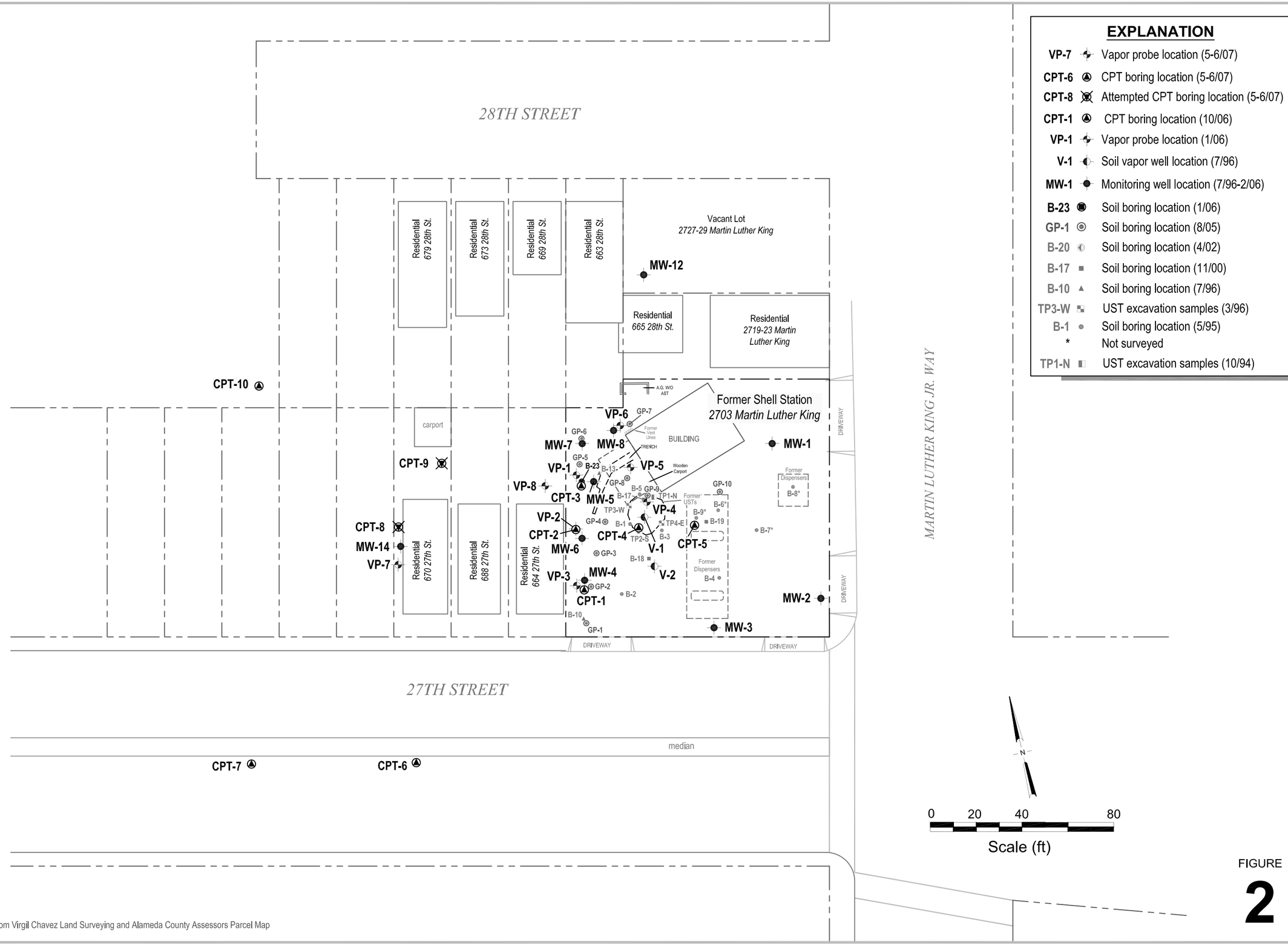
Vicinity Map

08/17/07

Site Plan

EXPLANATION

VP-7	Vapor probe location (5-6/07)
CPT-6	CPT boring location (5-6/07)
CPT-8	Attempted CPT boring location (5-6/07)
CPT-1	CPT boring location (10/06)
VP-1	Vapor probe location (1/06)
V-1	Soil vapor well location (7/96)
MW-1	Monitoring well location (7/96-2/06)
B-23	Soil boring location (1/06)
GP-1	Soil boring location (8/05)
B-20	Soil boring location (4/02)
B-17	Soil boring location (11/00)
B-10	Soil boring location (7/96)
TP3-W	UST excavation samples (3/96)
B-1	Soil boring location (5/95)
*	Not surveyed
TP1-N	UST excavation samples (10/94)



Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map

I:\SONOMA.SHELL\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS\EXT SITE PLAN.DWG

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

FIGURE

2

Table 1. Soil Vapor Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample ID	Sample Depth (fbg)	Date Sampled	TPHg ($\mu g/m^3$)	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	X ($\mu g/m^3$)	Isobutane ($\mu g/m^3$)	Butane ($\mu g/m^3$)	Propane ($\mu g/m^3$)
VP-1-3	3	30-May-07	**5,500,000**	**<510**	690	<690	<2,090	--	--	--
VP-1-5				Unable to sample; water in probe						
VP-2-3				Unable to sample; water in probe						
VP-2-5				Unable to sample; water in probe						
VP-3-3				Unable to sample; water in probe						
VP-3-5	5	30-May-07	**31,000,000**	**760**	<75	<86	<256	--	--	--
VP-4-3	3	30-May-07	**800,000**	<79	240	<110	<320	--	--	--
VP-4-5	5	30-May-07	**680,000**	<66	170	<90	<270	--	--	--
VP-5-3				Unable to sample; water in probe						
VP-5-5				Unable to sample; water in probe						
VP-6-3	3	30-May-07	**3,500,000**	110	320	<55	160	--	--	--
VP-6-5	5	30-May-07	**1,900,000**	<100	410	<140	<420	--	--	--
Ambient (at site)		30-May-07	<19,000	16	16	<3.1	<9.2	--	--	--
VP-7-3	3	12-Jun-07	**<21,000**	23	7,000	110	241	--	--	--
VP-7-3	3	30-Oct-07	**<19,000**	<2.7	9.6	<3.6	<17.6	657.3	16.6	ND
VP-7-3	**3**	**18-Jan-08**	**23,000**	4.3	23	3.4	13.8	ND	ND	ND
VP-7-5	5	12-Jun-07	**<21,000**	23	2,100	110	230	--	--	--
VP-7-5	5	30-Oct-07	**<18,000**	<2.5	15	<3.4	<16.4	402.4	ND	ND
VP-7-5	**5**	**18-Jan-08**	**<20,000**	<2.8	7.9	<3.8	<11.3	105.5	ND	ND
VP-7-5-DUP	**5**	**18-Jan-08**	**<19,000**	<2.6	7.6	<3.6	<10.8	66.6	ND	ND
VP-8-3	3	12-Jun-07	**<23,000**	20	9,300	120	267	--	--	--
VP-8-3	3	30-Oct-07	**<24,000**	<3.4	34	<4.6	<22.6	395.1	7.8	ND
VP-8-3-DUP	3	30-Oct-07	**<18,000**	<2.6	6.5	<3.5	<17.5	366.6	ND	ND
VP-8-3	**3**	**18-Jan-08**	**<18,000**	<2.6	7.2	<3.5	<10.4	128.6	ND	ND

Table 1. Soil Vapor Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample ID	Sample Depth (fbg)	Date Sampled	TPHg ($\mu g/m^3$)	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	X ($\mu g/m^3$)	Isobutane ($\mu g/m^3$)	Butane ($\mu g/m^3$)	Propane ($\mu g/m^3$)
VP-8-5	5	12-Jun-07	**<22,000**	33	11,000	120	278	--	--	--
VP-8-5	5	30-Oct-07	**<19,000**	<2.6	8.5	<3.6	<17.6	468.3	5.9	ND
VP-8-5	**5**	**18-Jan-08**	**<19,000**	<2.6	5.7	<3.5	<10.5	ND	ND	ND
Environmental Screening Levels SFBRWQCB, November 2007	**Commercial**		**29,000**	**280**	**180,000**	**580,000**	**58,000**	--	--	--
	Residential		**10,000**	**84**	**63,000**	**210,000**	**21,000**	--	--	--

Abbreviations and Notes:

Results in **bold** exceed Environmental Screening Level

fbg = Feet below grade

$\mu g/m^3$ = micrograms per cubic meter

<x = Not detected at reporting limit x

ND = Not detected

TPHg = Total petroleum hydrocarbons as gasoline by Modified EPA Method TO-3 GC/FID

BTEX = Benzene, tolunene, ethylbenzene, and xylenes by Modified EPA Method TO-15

Isobutane, butane, and propane by TPA Method TO-15

Attachment A

Analytical Report

Calscience
Environmental
Laboratories, Inc.

January 24, 2008

Jacquelyn England
Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Subject: **Calscience Work Order No.: 08-01-1371**
Client Reference: 2703 Martin Luther King Jr. Way, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/19/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Danielle Gonsman
Project Manager

EPA TO-15 Tentatively Identified Compound (TIC)

	Isobutane (CAS Number 75-28-5)		Butane (CAS Number 106-97-8)		Propane (CAS Number 74-98-6)	
Client Sample ID:	**Estimated Conc. (ug/m3)**	**RT (min)**	**Estimated Conc. (ug/m3)**	**RT (min)**	**Estimated Conc. (ug/m3)**	**RT (min)**
V-7-3	ND	NA	ND	NA	ND	NA
V-7-5	105.5	4.2	ND	NA	ND	NA
V-5-DUP	66.6	4.2	ND	NA	ND	NA
V-8-3	128.6	4.2	ND	NA	ND	NA
V-8-5	ND	NA	ND	NA	ND	NA
TRIP BLANK	ND	NA	ND	NA	ND	NA

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	01/19/08
19449 Riverside Drive, Suite 230		Work Order No:	08-01-1371
Sonoma, CA 95476-6955		Preparation:	N/A
		Method:	EPA TO-3M

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-7-3	**08-01-1371-1-A**	**01/18/08**	**Air**	**GC 13**	**N/A**	**01/20/08 11:32**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	23000	16000	2100	1.43		ug/m3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-7-5	**08-01-1371-2-A**	**01/18/08**	**Air**	**GC 13**	**N/A**	**01/20/08 11:47**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	20000	2500	1.73		ug/m3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-7-5 DUP	**08-01-1371-3-A**	**01/18/08**	**Air**	**GC 13**	**N/A**	**01/20/08 11:57**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	19000	2400	1.65		ug/m3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-3	**08-01-1371-4-A**	**01/18/08**	**Air**	**GC 13**	**N/A**	**01/20/08 12:07**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	18000	2300	1.6		ug/m3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-5	**08-01-1371-5-A**	**01/18/08**	**Air**	**GC 13**	**N/A**	**01/20/08 12:17**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	19000	2400	1.62		ug/m3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIP BLANK	**08-01-1371-6-A**	**01/18/08**	**Air**	**GC 13**	**N/A**	**01/20/08 12:27**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	11000	1500	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received:	01/19/08
Work Order No:	08-01-1371
Preparation:	N/A
Method:	EPA TO-3M

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-1,152**	**N/A**	**Air**	**GC 13**	**N/A**	**01/20/08 8:46**	**080120L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	11000	1500	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/19/08
19449 Riverside Drive, Suite 230	Work Order No:	08-01-1371
Sonoma, CA 95476-6955	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-7-3	**08-01-1371-1-A**	**01/18/08**	**Air**	**GC/MS K**	**N/A**	**01/21/08 14:37**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4.3	2.3	1.43		p/m-Xylene	10	6.2	1.43	
Toluene	23	2.7	1.43		o-Xylene	3.8	3.1	1.43	
Ethylbenzene	3.4	3.1	1.43		Methyl-t-Butyl Ether (MTBE)	ND	10	1.43	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	100	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	103	78-156							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-7-5	**08-01-1371-2-A**	**01/18/08**	**Air**	**GC/MS K**	**N/A**	**01/21/08 15:28**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.8	1.73		p/m-Xylene	ND	7.5	1.73	
Toluene	7.9	3.3	1.73		o-Xylene	ND	3.8	1.73	
Ethylbenzene	ND	3.8	1.73		Methyl-t-Butyl Ether (MTBE)	ND	12	1.73	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	57-129			1,2-Dichloroethane-d4	93	47-137		
Toluene-d8	97	78-156							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-7-5 DUP	**08-01-1371-3-A**	**01/18/08**	**Air**	**GC/MS K**	**N/A**	**01/21/08 16:15**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.65		p/m-Xylene	ND	7.2	1.65	
Toluene	7.6	3.1	1.65		o-Xylene	ND	3.6	1.65	
Ethylbenzene	ND	3.6	1.65		Methyl-t-Butyl Ether (MTBE)	ND	12	1.65	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	57-129			1,2-Dichloroethane-d4	99	47-137		
Toluene-d8	98	78-156							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-3	**08-01-1371-4-A**	**01/18/08**	**Air**	**GC/MS K**	**N/A**	**01/21/08 17:01**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.6		p/m-Xylene	ND	6.9	1.6	
Toluene	7.2	3.0	1.6		o-Xylene	ND	3.5	1.6	
Ethylbenzene	ND	3.5	1.6		Methyl-t-Butyl Ether (MTBE)	ND	12	1.6	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	100	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/19/08
19449 Riverside Drive, Suite 230	Work Order No:	08-01-1371
Sonoma, CA 95476-6955	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-5	**08-01-1371-5-A**	**01/18/08**	**Air**	**GC/MS K**	**N/A**	**01/21/08 17:52**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.62		p/m-Xylene	ND	7.0	1.62	
Toluene	5.7	3.1	1.62		o-Xylene	ND	3.5	1.62	
Ethylbenzene	ND	3.5	1.62		Methyl-t-Butyl Ether (MTBE)	ND	12	1.62	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	100	57-129			1,2-Dichloroethane-d4	97	47-137		
Toluene-d8	97	78-156							

TRIP BLANK	**08-01-1371-6-A**	**01/18/08**	**Air**	**GC/MS K**	**N/A**	**01/21/08 13:51**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		p/m-Xylene	ND	4.3	1	
Toluene	ND	1.9	1		o-Xylene	ND	2.2	1	
Ethylbenzene	ND	2.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	57-129			1,2-Dichloroethane-d4	107	47-137		
Toluene-d8	95	78-156							

Method Blank	**097-09-002-6,722**	**N/A**	**Air**	**GC/MS K**	**N/A**	**01/21/08 11:13**	**080121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		p/m-Xylene	ND	4.3	1	
Toluene	ND	1.9	1		o-Xylene	ND	2.2	1	
Ethylbenzene	ND	2.2	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	94	57-129			1,2-Dichloroethane-d4	96	47-137		
Toluene-d8	96	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: 01/19/08
Work Order No: 08-01-1371
Preparation: N/A
Method: EPA TO-3M

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
08-01-1379-6	**Air**	**GC 13**	**N/A**	**01/20/08**	**080120D01**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	41000	40000	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
19449 Riverside Drive, Suite 230
Sonoma, CA 95476-6955

Date Received: N/A
Work Order No: 08-01-1371
Preparation: N/A
Method: EPA TO-15

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-09-002-6,722	**Air**	**GC/MS K**	**N/A**	**01/21/08**	**080121L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	123	125	60-156	2	0-40	
Toluene	125	124	56-146	0	0-43	
Ethylbenzene	129	130	52-154	0	0-38	
p/m-Xylene	121	120	42-156	1	0-41	
o-Xylene	116	114	52-148	2	0-38	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-01-1371

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

SHELL Chain Of Custody Record

08-01-137

LAB:
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennesee
- ☑ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown

- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 7

DATE: 1/18/08

PAGE: 1 of 1

PO #:

SAP or CRMT #:

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates (CRA)	CRAW

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
2703 Martin Luther King Jr. Way, Oakland, CA		T0600101876

ADDRESS: 19449 Riverside Drive, Suite 230, Sonoma, CA 95476

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Felicia Ballard, CRA, Sonoma	707-935-4850	sonomaedf@craworld.com	240781-011

PROJECT CONTACT (Hardcopy or PDF Report to): Jacquelyn England

TELEPHONE:	FAX:	E-MAIL:
707-933-2370	707-935-6649	jengland@craworld.com

SAMPLER NAME(S) (Print): Lauren Goldfinch

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):
☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:
- ☐ EDD NOT NEEDED
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

Please report results in µg/m^3

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	BTEX (TO-15)	MTBE (TO-15)	isobutane, butane, propane (TO-15, GC/MS)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	VP-7-3 ✓	1/18/08	9:30	AIR	1	X	X	X	X	SUMMA ID: LC427
	VP-7-5 ✓		9:55							SUMMA ID: LC369
	VP-7-5 DUP ✓		9:55							SUMMA ID: LC175
	VP-8-3 ✓		10:30							SUMMA ID: LC120
	VP-8-5 ✓		10:45							SUMMA ID: LC366
	TRIP BLANK ✓		11:00							SUMMA ID: LC436

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 1/18/08	Time: 11:40
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/18/08	Time: 1444
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/19/08	Time: 0900

location

(to GSO)

(CCEL)

05/02/06 Revision

Rev. 05-May-06

Page 1 of 1

Geotracker ID: T0600101876

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 01 - 1371

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CRA **DATE:** 01/14/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
✓ Ambient temperature.

Initial: MH

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: MH

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: MH

COMMENTS: