Appendix D:
Economic and Fiscal Impact Analysis

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MEMORANDUM

May 7, 2021

To: City of San Ramon

From: DTA

Subject: Fiscal Impacts Resulting from the Proposed City Village Development (BR 6)

DTA has reviewed and validated the conclusions and findings of the Fiscal Impact Analysis ("FIA") dated March 31, 2021, and prepared by HR&A Advisors, Inc., which evaluates a residential development known as City Village (Bishop Ranch 6) (the "Project") that is being proposed by Summerhill Homes (the "Developer"). To do so, DTA:

1. Reviewed deliverables;
2. Reviewed HR&A's assumptions;
3. Stress-tested HR&A's models and performed sensitivity analyses; and
4. Issued this memorandum, including our own fiscal impact model, to validate our findings and summarize the projected fiscal impacts to the City of San Ramon's (the "City") General Fund that would result from the development of the Project.

Attached for your review is an Executive Summary of DTA's Fiscal Impact Analysis. Specifically, this analysis determines whether the Project will fully pay for all the services that it will receive from the City.

The Project is located within the Bishop Ranch 6 subarea in the City of San Ramon, County of Contra Costa, and it will include four hundred four (404) market rate and affordable for-sale residential units. The Project will replace over 560,000 square feet of existing, but significantly vacant, office space and is scheduled to begin construction in late 2023.

For additional details regarding the specific assumptions and methodology utilized to calculate the fiscal impacts for the Project, please see **Attachment 1**.

Notably, only recurring revenues and costs are analyzed in the model. Costs that are considered non-recurring, such as capital expenditures, are excluded from the analysis. This is because new development is generally required to construct its own new capital improvements, such as roads or parks, or to pay fees that enable the City or some other developer to construct these improvements. As these are considered to be "one-time" costs that will not recur, there is no expectation that new development will need to pay for these capital expenditures a second time. Likewise, revenues to the City that are considered to be non-recurring, such as development impact fees paid by developers, are also excluded from the model. The model reflects the estimated recurring annual deficit or surplus to the City's General Fund that will result from the development of the Project.

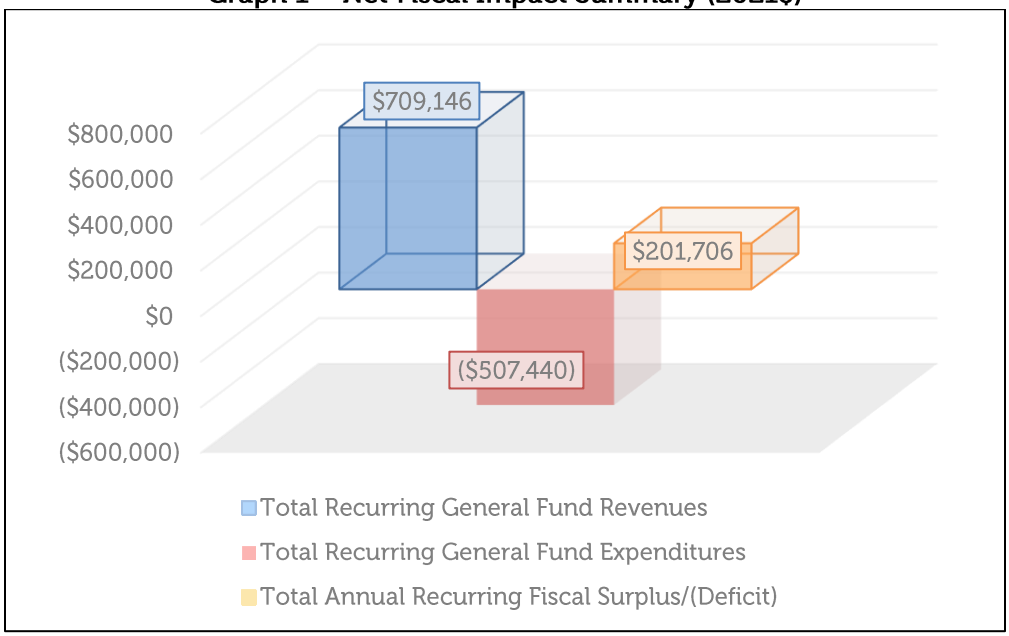
City General Fund – Net Fiscal Impact Summary

As reflected in **Graph 1** below, the overall net fiscal impact to the City's General Fund resulting from the revenues anticipated to be generated by the Project, as compared with the cost of public services associated with the Project's buildout, will be an annual recurring

fiscal surplus of $201,706. Annual recurring revenues generated by the Project are forecast to equal approximately 1.40 times the General Fund costs associated with the Project.

Note, for purposes of the FIA, all fiscal impacts are stated in constant (un-inflated) 2021 dollars, based on the assumption that the relative impacts of inflation in future years may be difficult to gauge.

Graph 1 – Net Fiscal Impact Summary (2021$)



A more detailed breakdown of the revenues and costs associated with the Project are listed in **Table 1** below. The two (2) largest projected City General Fund revenue sources attributable to the Project are Secured Property Taxes and Property Tax in-lieu of Vehicle Licensing Fees ("VLF"). Secured Property Taxes alone will generate 55.59% of the City's revenues from the Project, with Property Tax in-lieu of VLF generating 10.45%. Conversely, the largest projected City General Fund expenditures will be Police Services (34.05%), Public Works (32.27%), and Parks and Community Services (16.86%).

Table 1: General Fund – Net Impact Summary (2021$)

Fiscal Impact Category	Amount	Percent of Total
Recurring General Fund Revenues		
Secured Property Tax	$394,196	55.59%
Unsecured Property Tax	$10,841	1.53%
Property Transfer Tax	$25,353	3.58%
Property Tax in-lieu of VLF	$74,117	10.45%
Direct Sales Tax	$0	0.00%
Indirect Sales Tax	$53,664	7.57%
Investment Income	$9,724	1.37%
Franchise Fees	$66,130	9.33%
License and Permits	$25,925	3.66%
Intergovernmental	$0	0.00%
Charges for Services	$29,121	4.11%
Fines and Forfeitures	$3,537	0.50%
Miscellaneous Revenue	$16,538	2.33%
Total Recurring General Fund Revenues	**$709,146**	**100.00%**
Recurring General Fund Expenditures		
Police Services	$172,762	34.05%
Public Works	$163,760	32.27%
Parks and Community Services	$85,555	16.86%
Non-Departmental	$551	0.11%
General Government	$84,812	16.71%
Total Recurring General Fund Expenditures	**$507,440**	**100.00%**
Net Fiscal Impact		
Total Annual Recurring General Fund Surplus/(Deficit)	**$201,706**	
Total Annual Revenue/Expenditure Ratio	**1.40**	

*Note: Figures may not sum due to rounding.

There are several reasons for the fiscal surplus being generated by the Project. First, the estimated values of $1,347,500, $1,156,667, and $906,522 for the 154 detached court homes, 114 detached row homes, and 136 townhomes, respectively, will generate roughly $394,196 in Secured Property Tax revenues for the City. Second, the increase in assessed value from the Project will generate an additional $74,117 in Property Tax in-lieu of VLF. Finally, the infrastructure (roads, landscape, streetlighting, parks, etc.) for the Project will be maintained privately and therefore will not be a drain on the City's fiscal resources.

DTA chooses its analytical assumptions in accordance with industry standards and documents those decisions carefully. The following list explains how certain assumptions were derived:

- Discounting Revenues: Certain revenues are not expected to increase one to one with new development. A discount rate was applied to various revenues that include Intergovernmental, Charges for Services, and Miscellaneous Revenue to reflect the ratio of one-time revenues to recurring revenues.

- Marginal Increase in General Government Costs: General Government costs are not expected to increase on a one-to-one basis because of the Project (e.g., the City may not necessarily need to increase City staffing positions to serve the project; rather the City may just need to modify existing staffing responsibilities). Based on DTA's experience conducting numerous fiscal impact studies throughout the State, General Government costs typically increase at a marginal rate between 50% and 75%. For this analysis, DTA used a marginal rate of 67% based on other recent Impact Fee Studies completed by DTA in the East Bay.
- Tax Sharing (Secured Property Taxes): Property Tax revenue estimates were based on apportionment factors provided by the County Auditor. Property Tax revenues were projected based on the City's estimated share of the general 1% Property Tax levy. Total Secured Property Tax revenues received by the City from the proposed Project will equal approximately 10.22% of the basic 1% (Prop 13) Property Tax levy from the Tax Rate Area encompassing the Project. Please note that the gross tax increment, as calculated by the County Auditor-Controller, has been reduced to account for the projected Education Revenue Augmentation Fund ("ERAF") property tax shifts.

DTA does want to flag the following sensitivities and concerns related to the FIA:

1. The changes to public maintenance agreements and responsibilities;
2. The reliability of the Home Owner Association ("HOA") mechanism; and
3. The effects of a post-COVID-19 world.

As noted above, the infrastructure for the Project is expected to be maintained privately and therefore will not be a drain on the City's fiscal resources; however, if existing maintenance agreements are amended, or if the HOA terminates its responsibility, then the obligation of this work would fall directly to the City. Based on previous FIAs DTA has prepared for the City, park and infrastructure maintenance can be a considerable cost to the City's General Fund. The inclusion of such costs could potentially shift the conclusion of the FIA from a surplus to a deficit. One option that could help alleviate this issue is the creation of a Shell Community Facility District ("Shell CFD"), which would provide a secure backup funding mechanism for those maintenance costs. The Shell CFD would only levy a special tax if the HOA defaults in its obligation to maintain the infrastructure for the Project.

Finally, according to the City's FY 2020-21 Adopted Budget, the shelter-in-place order resulted in drastic reductions to Sales Tax and Transient Occupancy Tax revenues. Conversely, home values in the City have increased 13% over the past year, however, this trend may not last as shelter-in-place and work-from-home initiatives are rolled back.

If you have any questions upon review of the attached analysis, please feel free to call me at (800) 969-4382.

Enclosure:

1. Attachment 1 – Fiscal Impact Model

ATTACHMENT 1

City Village (Bishop Ranch 6)
Fiscal Impact Analysis

FISCAL IMPACT MODEL

EXHIBIT A-1
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
CITY GENERAL FUND REVENUES (BY TYPE)

I. **Demographics and Other Data**

2021 Estimated City Population [1]	83,118
2021 Estimated Daytime Employees [2]	35,600
2021 Persons Served Population [3]	100,918

Notes:

[1] California Department of Finance, E-5 City/County Population and Housing Estimates, January 2020.

[2] California Employment Development Department ("EDD") - Labor Market Information Division, February 2021.

[3] Assumes City population plus 50% of employees.

[4] Certain revenues are not expected to increase one-to-one with the new development. A discount was applied to reflect the estimated ratio of fixed revenues to variable revenues and/or one-time to recurring revenues.

[5] Based on City of San Ramon's Annual Budget, Fiscal Year 2020-2021.

II. **City Revenue Sources (by Type)**

Revenue Type	Total Revenues [5]	Revenue Type	Fiscal Impact Basis	Discount [4]	Fiscal Impact Revenue Factor
Tax Revenue	**$35,039,123**		**Case Study**		**NA**
Property Taxes - Current Secured & Unsecured	$16,626,003	Recurring	Case Study	0%	NA
Property Tax in Lieu of VLF	$5,601,225	Recurring	Case Study	0%	NA
Sales and Use Tax	$9,508,812	Recurring	Case Study	0%	NA
Property Transfer Tax	$691,636	Recurring	Case Study	0%	NA
Transient Occupancy Tax (TOT)	$2,611,447	Recurring	Case Study	0%	NA
Franchise Fees	**$6,057,155**	**Recurring**	**Persons Served**	**0%**	**$60.02**
License and Permits	**$2,374,927**	**Recurring**	**Persons Served**	**0%**	**$23.53**
Intergovernmental	**$219,202**	**Recurring**	**Persons Served**	**100%**	**$0.00**
Charges for Services	**$5,334,185**	**Recurring**	**Persons Served**	**50%**	**$26.43**
Fines and Forfeitures	**$324,000**	**Recurring**	**Persons Served**	**0%**	**$3.21**
Investment Income	**$100,000**	**Recurring**	**Case Study**	**0%**	**NA**
Miscellaneous Revenue	**$3,029,637**	**Recurring**	**Persons Served**	**50%**	**$15.01**
Total Recurring Revenues	**$52,478,229**				

EXHIBIT A-2
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
CITY GENERAL AND DEDICATED FUND EXPENDITURES (BY TYPE)

I. Demographics and Other Data

2021 Estimated City Population [1]	83,118
2021 Estimated Daytime Employees [2]	35,600
2021 Persons Served Population [3]	100,918

Notes:

[1] California Department of Finance, E-5 City/County Population and Housing Estimates, January 2020.

[2] California Employment Development Department ("EDD") - Labor Market Information Division, February 2021.

[3] Assumes City population plus 50% of employees.

[4] Certain revenues are not expected to increase one-to-one with the new development. A discount was applied to reflect the estimated ratio of fixed revenues to variable revenues and/or one-time to recurring revenues.

[5] Based on City of San Ramon's Annual Budget, Fiscal Year 2020-2021.

II. City Expense Sources (by Type)

Expense Type	Total Expenditures [5]	General Fund	Dougherty Valley Fund	Expenditure Type	Fiscal Impact Basis	Discount [4]	Fiscal Impact Expenditure Factor
General Government					**Case Study**		**NA**
General Government	$2,862,233	$2,862,233	-	Recurring	Case Study	0%	NA
Administrative Services	$4,708,582	$4,708,582	-	Recurring	Case Study	0%	NA
Planning/Community Development	$4,023,525	$4,023,525	-	Recurring	Case Study	0%	NA
Total General Government Expenditures	$11,594,340						
Non-General Government *							
Police Services	$15,824,259	$15,824,259		Recurring	Persons Served	0%	$156.80
Public Works	$14,999,519	$14,999,519		Recurring	Persons Served	0%	$148.63
Parks and Community Services	$7,836,018	$7,836,018		Recurring	Persons Served	0%	$77.65
Non-Departmental	$50,000	$50,000	-	Recurring	Persons Served	0%	$0.50
Total Non-General Government Expenditures	$38,709,796						
Total Recurring Expenses	**$50,304,136**						

EXHIBIT A-3
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
LAND USE AND DEMOGRAPHICS SUMMARY

FUTURE LAND USE DATA

I. Developable Land Use Description

A. Residential Land Uses	Number of Units [1]
Detached Court SFD	154
Detached Row Homes	114
Attached Townhomes	136

DEMOGRAPHIC DATA

II. Demographics

A. Residential Land Use Population	Persons per Household [2]
Detached Court SFD	3.06
Detached Row Homes	3.06
Attached Townhomes	2.08

POPULATION AND EMPLOYEES (CALCULATIONS)

III. Residential Land Use Type	Number of Units	Residential Population
Detached Court SFD	154	471
Detached Row Homes	114	348
Attached Townhomes	136	283

SOI POPULATION AND EMPLOYEES (TOTALS)

V. Total Projected Residential Population	**1,102**
VI. Total Projected Direct Employees	**NA**
VII. Total Persons Served Population	**1,102**

NOTES:

[1] Source: Project Proponent and City of San Ramon.

[2] Source: The Census Bureau American Community Survey (ACS) Public Use Microdata Sample (PUMS) data.

* ***All figures subject to rounding***

EXHIBIT A-4
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
PROPERTY TAX REVENUE ANALYSIS

GENERAL PROPERTY TAX ASSUMPTIONS

I. Property Tax Allocation (as a Portion of the 1% General Property Tax Levy)

Category / Code	Allocated to City [1]
City of San Ramon [2]	10.22%

II. Homeowner's Exemption

Homeowner's Exemption (Annually)	$7,000
Percent of Sale Units Taking Homeowner's Exemption [3]	60%

ASSESSED VALUATION ASSUMPTIONS

III. Assessed Valuation - Projected Land Uses

Residential Land Uses

A. Detached Court SFD

Number of Units [4]	154
Estimated Sales Price per Unit [5]	$1,347,500
Total Estimated Net Taxable Value [6]	$206,868,200

B. Detached Row Homes

Number of Units [4]	114
Estimated Sales Price per Unit [5]	$1,156,667
Total Estimated Net Taxable Value [6]	$131,381,238

C. Attached Townhomes

Number of Units [4]	136
Estimated Sales Price per Unit [5]	$906,522
Total Estimated Net Taxable Value [6]	$122,715,792

D. *LESS:* Existing Project Assessed Valuation ($75,418,365)

E. Total Land Use Net Taxable Value (Includes Takeout from Homeowner's Exemption) $385,546,865

OTHER PROPERTY TAX REVENUE ASSUMPTIONS

IV. Unsecured Property Taxes - Assumptions [7]

Residential

Unsecured Taxes as a % of Secured	2.75%

Non-Residential

Unsecured Taxes as a % of Secured	10.00%

V. Property Tax Transfer - Assumptions [8]

Residential Property Turnover Rate	10.00%
Non-Residential Property Turnover Rate	5.00%
Transfer Tax as a % of Assessed Value	0.11%
Property Transfer Tax Passed Through to City of San Ramon	50.00%

VI. Motor Vehicle Licensing Fees - Assumptions

Vehicle Licensing Fees per Capita	NA

VII. Property Tax In-Lieu of Vehicle License Fee - Assumptions

Total City of San Ramon Gross Assessed Value [9]	$23,437,358,007
City of San Ramon Property Tax In-Lieu of Vehicle License Fee [10]	$5,601,225
Property Tax In-Lieu of Vehicle License Fee Increase per $1,000 Assessed Value	$0.24

EXHIBIT A-4
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
PROPERTY TAX REVENUE ANALYSIS

Fiscal Impact Calculation

VIII. Fiscal Impact Category	Fiscal Impact Amount
A. Secured Property Tax	
Residential Land Uses	
Detached Court SFD	$176,904
Detached Row Homes	$112,351
Attached Townhomes	$104,941
B. Unsecured Property Tax Revenues	
Residential Land Uses	
Detached Court SFD	$4,865
Detached Row Homes	$3,090
Attached Townhomes	$2,886
C. Property Transfer Tax Revenues	
Residential Land Uses	
Detached Court SFD	$11,378
Detached Row Homes	$7,226
Attached Townhomes	$6,749
D. Motor Vehicle Licensing Fees [11]	
E. Property Tax In-Lieu of Vehicle License Fee [12]	
Projected Residential Land Uses	$74,117
Total Property Tax Revenues	**$504,507**

NOTES:

[1] Based on allocation of basic 1% property tax for Tax Rate Area (TRA) 17141.
[2] Post ERAF rates based on the weighted average of the rates applicable to the TRAs in the Project.
[3] Estimate, subject to change.
[4] Source: Project Proponent and City of San Ramon.
[5] Source: Project Proponent and City of San Ramon.
[6] Includes Estimated Takedown from Homeowner's Exemptions
[7] Based on typical DTA baseline assumptions.
[8] Source: California Revenue & Taxation Code §11901, et seq.
[9] Source: Office of the Assessor, Contra Costa County (August 2020).
[10] Based on City of San Ramon's Annual Budget, Fiscal Year 2020-2021.
[11] City of San Ramon no longer receiving motor vehicle licensing fees.
[12] Property Tax in-lieu of Vehicle Licensing Fees applies to incremental property value.
* ***All figures subject to rounding***

EXHIBIT A-5
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
SALES TAX REVENUE ANALYSIS

INDIRECT SALES TAX ASSUMPTIONS

I. Residential Indirect Sales Tax Assumptions

A. Mortgage Assumptions

Projected Residential Units

Detached Court SFD

Projected Sales Price per Unit	$1,347,500
Average Mortgage (20% Down Payment) [1]	$1,078,000
Annual Mortgage Payment (5% for 30 Years) [2]	$69,443
Additional Annual Taxes & Insurance (2.00%)	$26,950

Detached Row Homes

Projected Sales Price per Unit	$1,156,667
Average Mortgage (20% Down Payment) [1]	$925,334
Annual Mortgage Payment (5% for 30 Years) [2]	$59,609
Additional Annual Taxes & Insurance (2.00%)	$23,133

Attached Townhomes

Projected Sales Price per Unit	$906,522
Average Mortgage (20% Down Payment) [1]	$725,218
Annual Mortgage Payment (5% for 30 Years) [2]	$46,717
Additional Annual Taxes & Insurance (2.00%)	$18,130

B. Disposable Income Assumptions

Projected Residential Units

Detached Court SFD

Average Household Income (3:1 Income to Household Payment Ratio) [1]	$289,180
Retail Taxable Expenditures (as a % of Disposable Income) [3]	16.22%

Detached Row Homes

Average Household Income (3:1 Income to Household Payment Ratio) [1]	$248,226
Retail Taxable Expenditures (as a % of Disposable Income) [3]	16.22%

Attached Townhomes

Average Household Income (3:1 Income to Household Payment Ratio) [1]	$194,544
Retail Taxable Expenditures (as a % of Disposable Income) [3]	16.22%

C. Other Indirect Sales Tax Assumptions

Employees (annual spending per employee) [4]	$5,965

Retail Taxable Sales Capture

City of San Ramon Retail Taxable Purchase Capture [5]	33%

Other Sales Tax Assumptions

% to the City of San Ramon [6]	1.00%

EXHIBIT A-5
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
SALES TAX REVENUE ANALYSIS

FISCAL IMPACT CALCULATION

III. Fiscal Impact Category	Fiscal Impact Amount
A. Indirect Sales Tax	
Projected Residential Land Uses	
Detached Court SFD	$24,070
Detached Row Homes	$15,294
Attached Townhomes	$14,300
Total Sales Tax Revenues	**$53,664**

NOTES:

[1] DTA estimates. Subject to change.

[2] DTA estimate. Annual payment includes principal, interest, property taxes, and homeowner's insurance.

[3] Source: BOE *2008 Consumer Expenditure Survey.*

[4] Source: "Office Worker Retail Spending In a Digital Age," ICSC (2012). Adjusted for inflation.

[5] Estimate, subject to change.

[6] Based on City of San Ramon Municipal Code §A9-2.

[7] Estimate, subject to change.

* ***All figures subject to rounding***

EXHIBIT A-6
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
INVESTMENT INCOME REVENUES ANALYSIS

ASSUMPTIONS

I. Investment Income Assumptions

Investment Period for Recurring Non-Interest General Fund Revenues	12 Months
Local Agency Investment Fund (LAIF) Rate of Return [1]	1.85%
Local Agency Investment Fund (LAIF) Percentage of Earnings Cost	25.00%

FISCAL IMPACT CALCULATION

II. Fiscal Impact Category	Fiscal Impact Amount
Total Property Tax Revenues (Exhibit 4)	$504,507
Total Sales Tax Revenues (Exhibit 5)	$53,664
Total Multiplier Revenues (Exhibit 8)	$141,251
Projected Recurring General Fund Revenues Available for Investment	**$699,422**
Plus: Investment Income (Less Earnings Cost)	$9,724
Total Recurring General Fund Revenues	**$709,146**

NOTES:

[1] Estimate based on previous 8 quarters, subject to change. LAIF Apportionment Rates as provided by the California State Treasurer.

* ***All figures subject to rounding***

EXHIBIT A-7
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
MULTIPLIER REVENUE SOURCES ANALYSIS

ASSUMPTIONS

I. Multiplier Revenues

Revenue Category	Multiplier Factor [1]	Revenue Projection Basis
Franchise Fees	$60.02	Persons Served
License and Permits	$23.53	Persons Served
Charges for Services	$26.43	Persons Served
Fines and Forfeitures	$3.21	Persons Served
Miscellaneous Revenue	$15.01	Persons Served

FISCAL IMPACT CALCULATION

II. Fiscal Impact Category	Fiscal Impact Amount
Franchise Fees	$66,130
License and Permits	$25,925
Charges for Services	$29,121
Fines and Forfeitures	$3,537
Miscellaneous Revenue	$16,538
Total Multiplier Revenues	**$141,251**

NOTES:

[1] Based on City of San Ramon's Annual Budget, Fiscal Year 2020-2021.

* ***All figures subject to rounding***

EXHIBIT A-8
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
MULTIPLIER EXPENDITURES ANALYSIS

ASSUMPTIONS

I. Multiplier Expenditures

Expenditure Category	Multiplier Factor [1]	Expense Projection Basis
Police Services	$156.80	Persons Served
Public Works	$148.63	Persons Served
Parks and Community Services	$77.65	Persons Served
Non-Departmental	$0.50	Persons Served

FISCAL IMPACT CALCULATION

II. Fiscal Impact Category	Fiscal Impact Amount
Police Services	$172,762
Public Works	$163,760
Parks and Community Services	$85,555
Non-Departmental	$551
Total Multiplier Expenses	**$422,628**

NOTES:

[1] Based on City of San Ramon's Annual Budget, Fiscal Year 2020-2021.

* ***All figures subject to rounding***

EXHIBIT A-9
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
GENERAL GOVERNMENT EXPENDITURES ANALYSIS

ASSUMPTIONS

			Calculations
[a]	Total Recurring General Fund Expenditures [1]	$50,304,136	**[b]+[c]**
[b]	Total Recurring General Government Expenditures [2]	$11,594,340	
[c]	Total Recurring Non-General Government Expenditures [3]	$38,709,796	
[d]	General Government Expenditures as a % of Non-General Government Expenditures	30%	**[b] / [c]**
[e]	Marginal Increase in General Government Costs [4]	67%	
[f]	General Government to Non-General Government Expenditure Ratio with Marginal Increase	20.07%	**[d]*[e]**

FISCAL IMPACT CALCULATION

I.	**Fiscal Impact Category [5]**	**Fiscal Impact Amount**	
[g]	Total Multiplier Expenditures (Exhibit 9)	$422,628	
[j]	**Projected Recurring General Fund Expenditures**	**$422,628**	**[g]+[h]+[i]**
[k]	General Government Costs for Project	$84,812	**[f]*[j]**
	Total Recurring Expenditures	**$507,440**	**[j]+[k]**

NOTES:

[1] Based on City of San Ramon's Annual Budget, Fiscal Year 2020-2021.

[2] General Government Expenditures defined as costs for General Government, Administrative Services, and Planning/Community Development. Please see Exhibit A-2.

[3] Non-General Government Expenditures defined as costs for Police Services, Public Works, Parks and Community Services, and Non-Departmental. Please see Exhibit A-2.

[4] Based on recent Fiscal Impact Studies completed by DTA in the East Bay.

*** All figures subject to rounding.**

EXHIBIT A-10
CITY OF SAN RAMON - CITY VILLAGE (BISHOP RANCH 6)
NET FISCAL IMPACT SUMMARY

RECURRING REVENUES [1]	GENERAL FUND	PERCENT OF TOTAL
Secured Property Tax	$394,196	55.59%
Unsecured Property Tax	$10,841	1.53%
Property Transfer Tax	$25,353	3.58%
Property Tax in-lieu of VLF	$74,117	10.45%
Direct Sales Tax	$0	0.00%
Indirect Sales Tax	$53,664	7.57%
Investment Income	$9,724	1.37%
Franchise Fees	$66,130	9.33%
License and Permits	$25,925	3.66%
Intergovernmental	$0	0.00%
Charges for Services	$29,121	4.11%
Fines and Forfeitures	$3,537	0.50%
Miscellaneous Revenue	$16,538	2.33%
Total Recurring General Fund Revenues	**$709,146**	**100.00%**

RECURRING EXPENDITURES [2]	AMOUNT	PERCENT OF TOTAL
Police Services	$172,762	34.05%
Public Works	$163,760	32.27%
Parks and Community Services	$85,555	16.86%
Non-Departmental	$551	0.11%
General Government	$84,812	16.71%
Total Recurring General Fund Expenditures	**$507,440**	**100.0%**

NET FISCAL IMPACT	
Total Annual Recurring Fiscal Surplus/(Deficit)	**$201,706**
Total Annual Revenue/Expenditure Ratio	**1.40**
Total Fiscal Surplus/(Deficit) per Residential Unit	**$499.27**

[1] Please see Exhibits 4-7 for the derivation of these calculations.

[2] Please see Exhibits 8 and 9 for the derivation of these calculations.

* ***All figures subject to rounding***

CONFIDENTIAL DRAFT CITY VILLAGE (BISHOP RANCH 6) ECONOMIC AND FISCAL IMPACT ANALYSIS

SUMMARY OF RESULTS

MARCH 31, 2021

HR&A Analyze. Advise. Act.

SUMMERHILL HOMES℠
COMMUNITIES OF DISTINCTION

INTRODUCTION

STUDY PURPOSE

SummerHill Homes ("SummerHill" or the "Company") is planning a **404-unit market rate and affordable for-sale residential development called City Village within the Bishop Ranch 6 subarea** (the "Project") of the City of San Ramon (the "City" or "San Ramon"). The Project would replace over 560,000 square feet of existing, but significantly vacant, office space and is scheduled to **begin construction in late 2023**. Sales of homes would begin as early as 2024 and are expected to be **fully sold by 2028**.

This briefing book reports analysis prepared by HR&A Advisors, Inc. on the Project's economic impacts in the Contra Costa County economy and its fiscal impacts to San Ramon from 2021 to 2048, accounting for construction, initial home sales, and 20 years of stabilized operations (2029 to 2024).

WHO WE ARE

HR&A Advisors, Inc. (HR&A) is an industry-leading real estate, economic development and public policy consulting firm.

For 45 years we have provided a full range of pre-construction real estate advisory services, including market analysis, financial feasibility analysis, economic and fiscal impact analysis, and structuring of public-private financing agreements for some of the most complex mixed-use, neighborhood, downtown, campus, and regional development projects across North America and abroad. We understand the importance of linking private investment with public resources to support investor and community responsibilities and aspirations.

EXECUTIVE SUMMARY | Through 2048 the Project will generate approximately $13.1 in annual economic activity to the Contra Costa economy and contribute approximately $4.1 million in net new revenue to San Ramon.

ECONOMIC IMPACTS

The Project will contribute to the Contra Costa County economy by adding new jobs and household spending, whose impacts will multiply throughout the economy.

ONE-TIME ECONOMIC IMPACTS

Economic output to the Contra Costa County resulting from private construction spending.

$253.9 million

(2021 dollars)

RECURRING ECONOMIC IMPACTS FROM OPERATIONS

Economic output in Contra Costa resulting from new household spending at full buildout in 2029.

$13.1 million

(Annually, 2021 dollars)

FISCIAL IMPACTS

The Project will deliver important new revenue to the City of San Ramon through 2048 from applicable revenue sources, including transfer, property and sales tax, franchise fees and other revenues.

ONE-TIME FISCAL IMPACTS

Revenues to the City of San Ramon resulting from private construction spending.

$0.9 million

(2021 dollars)

NET FISCAL IMPACTS FROM OPERATIONS OVER PROJECT BUILDOUT

Revenues to the City of San Ramon resulting from Project operations between 2021-2048.

$4.1 million

(2021 dollars)

CITY VILLAGE (BISHOP RANCH 6) MASTER PLAN | SummerHill expects to complete the Project in phases between 2023 and 2028.

Source: SummerHill Homes

DEVELOPMENT PROGRAM

404

Total Residential Units

154

Detached Single-Family Dwellings

114

Detached Row Homes

136

Attached Townhomes
(15% affordable to very low-, low- and moderate-income households)

SUMMARY OF METHODOLOGICAL APPROACH AND ASSUMPTIONS

APPROACH

- **This analysis quantifies the net economic impacts to the County and net fiscal impacts on the City's General Fund.** Impacts from the existing commercial uses were deducted from gross Project impacts.
- Results **focus on the "end state" scale of development,** with phasing occurring according to market conditions and SummerHill's internal planning.
- The analysis **does not look at spillover benefits from the Project on existing development,** which will likely see property values increase and improved sales performance due to the Project's new population, and amenities.
- **HR&A used IMPLAN for the economic impact analysis,** which is an industry-standard input-output model used by leading public and private sector organizations across the United States. A **custom spreadsheet model** was developed to project tax revenues specific to the City.
- **Results are shown in constant 2021-dollars** unless otherwise specified. For fiscal impacts, 2021 dollars are calculated using a discount rate of 9.5% which is the weighted average cost of capital (WACC) for a set of major national homebuilders.
- Additional detail on the study approach is provided in Appendix A of this document.

SUMMARY OF METHODOLOGICAL APPROACH AND ASSUMPTIONS

ASSUMPTIONS

- **Assumptions were sourced primarily from SummerHill, City of San Ramon, U.S. Census Bureau,** and other third-party data sources. Where necessary, HR&A made assumptions reflective of the market and Project characteristics.
- **City service costs and tax rates** are from the FY 2020-21 San Ramon budget and **are assumed to remain constant** over the course of development.
- **The costs of City services delivered to the Project are based on a per-capita cost accounting method** that expresses Project residents and existing office employees as "resident equivalents" based on the time they spend in the City, to calculate average per-capita General Fund operating budgets of applicable City departments whose budgets tend to be affected by the Project's new City population.
- **The analysis is consistent with the tax sharing agreement between Contra Costa County and the City of San Ramon that governs the distribution of property taxes at City Village (Bishop Ranch 6).** HR&A assumes all new property taxes from the Project's residential uses would be distributed according to the existing City/County revenue sharing agreement.
- **The analysis does not consider the effects of the COVID-19 pandemic the County economy and City revenues and costs.** HR&A considers this event a temporary "shock" with minimal impact on the long-term County economy and fiscal position of the City.
- **The analysis assumes no major disruptive economic events to the Contra Costa economy** over the course of development.
- Additional detail on assumptions for this study is provided in Appendix A of this document.

ECONOMIC IMPACTS: SUMMARY | The Project is expected to generate approximately $253.9 million in one-time economic impacts and approximately $13.1 million in ongoing impacts to Contra Costa County.

ONE-TIME IMPACTS

Impacts to the Contra Costa County economy resulting from construction activities.

SUPPORTED EMPLOYMENT

1,547 jobs

EMPLOYEE COMPENSTATION

$94.1 million

(2021 dollars)

TOTAL ECONOMIC OUTPUT

$253.9 million

(2021 dollars)

RECURRING IMPACTS

Revenues to the Contra Costa County economy resulting for on-going operations at full buildout in 2029.

SUPPORTED EMPLOYMENT

105 jobs

EMPLOYEE COMPENSTATION

$2.0 million

(2021 dollars)

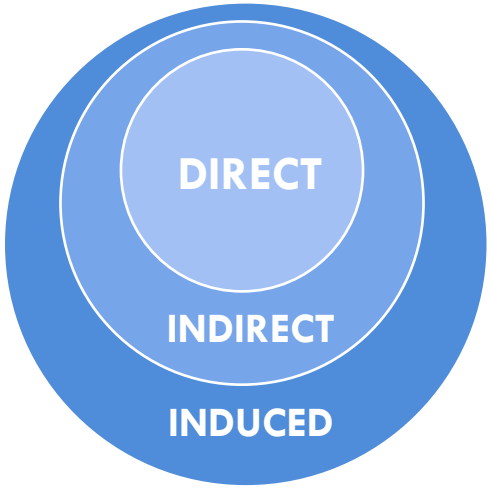
TOTAL ECONOMIC OUTPUT

$13.1 million

(2021 dollars)

Source: IMPLAN, HR&A

ECONOMIC IMPACTS: ONE-TIME | Project construction will contribute approximately $170.9 million directly to the San Ramon economy, with a multiplier effect leading to an additional $83.0 million to the wider Contra Costa economy.



DIRECT effects are from spending associated with Project construction. These effects occur at the site, within the City of San Ramon.

INDIRECT effects are from spending by businesses supplying construction-related goods and services.

INDUCED effects from household spending due to income received from direct and indirect activities.

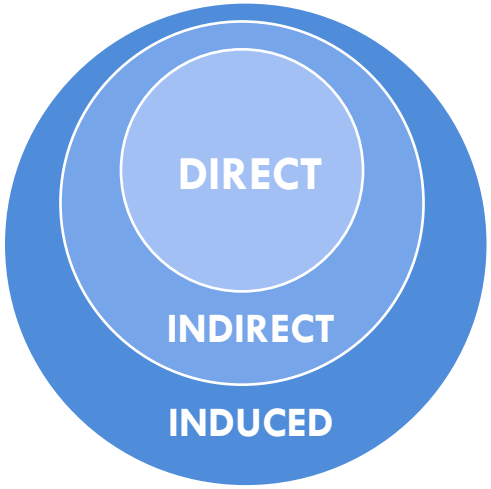
MULTIPLIER EFFECT

Source: IMPLAN, HR&A

ONE-TIME IMPACT SUMMARY

Impact Category	Employment	Employee Compensation	Total Economic Output
Direct	1,101	$71,210,000	170,850,000
Indirect	174	$9,590,00	33,510,000
Induced	273	$13,260,00	49,500,000
Total Impact	**1,547**	**$94,060,000**	253,860,000

ECONOMIC IMPACTS: RECURRING | At buildout, Project operations will contribute approximately $13.1 million of economic output to the Contra Costa economy.



DIRECT effects are from spending immediately associated with existing office tenants.

INDIRECT effects are from spending by businesses supplying goods and services to existing office tenants.

INDUCED effects from household spending by direct and indirect workers and new Project households.

Source: IMPLAN, HR&A

SUMMARY OF RECURRING IMPACTS IN 2029

Impact Category	Employment	Employee Compensation	Total Economic Output
RESIDENTIAL			
Direct	0	0	0
Indirect	0	0	0
Induced	236	$11,320,000	$42,110,000
Total Impact	**236**	**$11,320,000**	**$42,110,000**
LESS 5% OF EXISTING OFFICE DUE TO PROJECT			
Direct	(67)	($5,980,000)	($17,070,000)
Indirect	(41)	($2,260,000)	($7,760,000)
Induced	(23)	($1,130,000)	($4,230,000)
Total Impact	**(131)**	**($9,370,000)**	**($29,060,000)**
MULTIPLIER EFFECT			
Total Impact	**105**	**$1,950,000**	**$13,050,000**

Note: Based on conversations with SummerHill, this analysis assumes 90% of existing office will relocate within Contra Costa County, 5% will be lost due to the COVID-19 pandemic, and 5% will be lost due to the Project.

FISCAL IMPACTS: SUMMARY | By 2048, the Project will have generated $0.9 million in one-time revenues and $4.1 million in revenues derived from annual operations to San Ramon.

ONE-TIME IMPACTS

Impacts to the City of San Ramon resulting from construction activities.

IMPACT THROUGH 2028

$0.9 million

(2021 dollars)

$1.4 million

(nominal dollars)

RECURRING IMPACTS

Revenues to the City of San Ramon resulting from annual operations through 2048.

IMPACT THROUGH 2048

$4.1 million

(2021 dollars)

$26.8 million

(nominal dollars)

ANNUAL IMPACT AT STABILIZATION

$0.1 million

(2021 dollars, in 2029)

$0.4 million

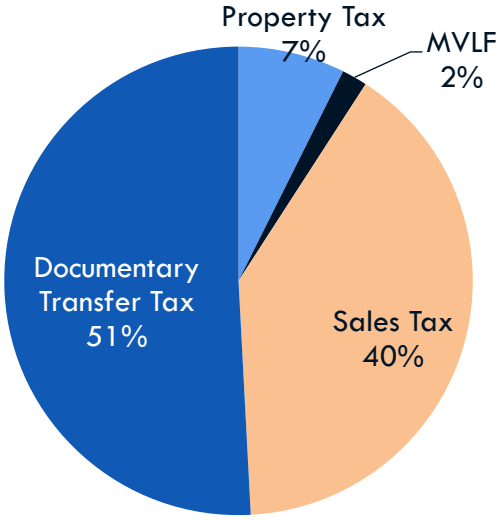
(nominal dollars, in 2029)

Note: 2021 dollars calculated using a discount rate of 9.5% which is the weighted average cost of capital (WACC) for a set of major national homebuilders.

Source: HR&A

FISCAL IMPACTS: ONE-TIME | More than half of one-time fiscal revenues to San Ramon will come from the initial sale of each residential unit.

DISTRIBUTION OF ONE-TIME FISCAL REVENUES FROM CONSTRUCTION 2021-2028



GENERAL FUND FISCAL REVENUES

REVENUES THROUGH 2028

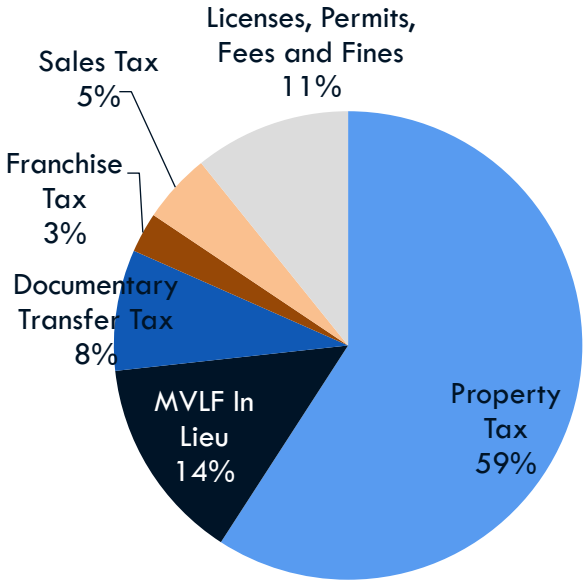
Category	Nominal $	2021 $
Property Tax from Construction	$100,000	$60,000
MVLF from Construction	$20,000	$20,000
Sales Tax from Materials	$550,000	$350,000
Documentary Transfer Tax (Initial Sale)	$740,000	$440,000
Net Fiscal Impact	**$1,410,000**	**$880,000**

Note: Construction sales tax revenues from building materials assume proper registration of the construction site with the California Board of Equalization. Motor Vehicle in Lieu Fee ("MVLF") is an additional property tax provided by the State to communities following the elimination of local receipt of Motor Vehicle License Fees in 2005.

Source: HR&A

FISCAL IMPACTS: RECURRING | Property taxes will contribute 59 percent of new general fund revenues from Project annual operations to San Ramon, with MVLF and documentary transfer tax comprising another 22 percent of revenues.

DISTRIBUTION OF CITY REVENUES FROM OPERATIONS 2021-2048



Note: Property Tax and MVLF in Lieu include property tax turnover, assuming ten percent of homes are re-sold each year, resetting these taxes for those homes based on their resale price.

Source: HR&A

GENERAL FUND REVENUES

REVENUES THROUGH 2048 (20 Years Stabilized Operations)

Category	Nominal $	2021 $
Property Tax	$34,710,000	$6,830,000
MVLF In Lieu	$8,300,000	$1,630,000
Documentary Transfer Tax	$5,410,000	$970,000
Franchise Tax	$1,370,000	$320,000
Sales Tax	$2,380,000	$560,000
Other Licenses, Taxes, and Fees	$5,330,000	$1,250,000
Total Revenues	**$57,500,000**	**$11,560,000**
Less: Existing Prop. Tax & MVLF	($3,540,000)	($1,100,000)
Less: City Service Costs	($27,210,000)	($6,370,000)
Net Fiscal Impact	**$26,750,000**	**$4,090,000**

REVENUES IN 2029 (First Stabilized Year)

Category	Nominal $	2021 $
Property Tax	$770,000	$340,000
MVLF In Lieu	$190,000	$80,000
Documentary Transfer Tax	$100,000	$40,000
Franchise Tax	$50,000	$20,000
Sales Tax	$80,000	$30,000
Other Licenses, Taxes, and Fees	$180,000	$80,000
Total Revenues	**$1,370,000**	**$590,000**
Less: Existing Prop. Tax & MVLF	($110,000)	($50,000)
Less: City Service Costs	($900,000)	($400,000)
Net Fiscal Impact	**$360,000**	**$140,000**

GENERAL AND LIMITING CONDITIONS

1. Any person who relies on or otherwise uses this Study is required to have first read, understood and accepted the following disclosures, limitations and disclaimers, and will, by reason of such reliance or other use, be deemed to have read, understood and accepted the same.
2. HR&A Advisors, Inc. (HR&A) has been engaged and compensated by SummerHill Homes to prepare this Study. In preparing this Study HR&A has used its independent professional judgment and skills in good faith, subject to the limitations, disclosures and disclaimers herein.
3. This Study is based on estimates, assumptions and other information developed by HR&A, other third party consultants, and city officials. Every reasonable effort has been made to ensure that the data contained in this Study are accurate as of the date of this Study; however, factors exist that are outside the control of HR&A and that may affect the estimates and/or projections noted herein. HR&A neither guarantees any results nor takes responsibility for their actual achievement or continuing applicability, as actual outcomes will depend on future events and circumstances beyond HR&A's control.
4. HR&A reviewed the information and projections provided by third parties using its independent professional judgment and skills in good faith, but assumes no liability resulting from errors, omissions or any other inaccuracies with respect to the information provided by such third parties referenced in this Study.
5. HR&A also relied on data provided by or purchased from the U.S. Census, American Community Survey, Minnesota IMPLAN Group (MIG), CoStar Group, and discussion with staff at SummerHill Homes. HR&A assumes no liability resulting from errors, omissions or any other inaccuracies with respect to the information provided by these parties.
6. In addition to relying on data, information, projections and forecasts of others as referred to above, HR&A has included in this Study estimates and assumptions made by HR&A that HR&A believes are appropriate, but HR&A makes no representation that there will be no variances between actual outcomes and such estimates and assumptions.
7. No summary or abstract of this Study, and no excerpts from this Study, may be made for any purpose without HR&A's prior written consent.
8. HR&A has provided estimates of potential property tax impacts in San Ramon based on our experience and familiarity with national best practices for tax assessments of income-producing properties. HR&A is not a licensed real estate appraiser and makes no further representations regarding such estimates.
9. No opinion is intended to be expressed and no responsibility is assumed for any matters that are legal in nature or require legal expertise or specialized knowledge beyond that of a real estate consultant.
10. Many of the figures presented in this report will be rounded. HR&A disclaims any and all liability relating to rounding errors.
11. This Study may be relied on and otherwise used only by persons who receive this Study from HR&A or with HR&A's prior written consent and only for the purpose stated in writing in conjunction with such receipt or consent. No reliance on or other use of this Study by any person or for any purpose other than as stated in the previous sentence is permitted. HR&A disclaims all responsibility in the case of any reliance on or other use of this Study in conflict with the above portions of this paragraph.
12. If the Study is referred to or included in any offering material or prospectus, the Study shall be deemed to have been included for informational purposes only and its use shall be subject to these General and Limiting Conditions. HR&A, its directors, officers and employees have no liability to recipients of any such offering material or prospectus. HR&A disclaims any and all liability to any party.
13. This Study is qualified in its entirety by, and should be considered in light of these General and Limiting Conditions. By use of this Study, each party that uses this Study agrees to be bound by all of the General and Limiting Conditions stated herein.

APPENDIX A

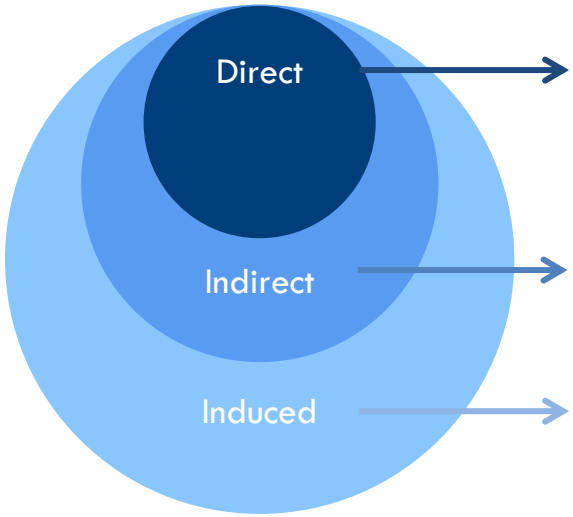
Appendix Guide

Appendix A is divided into two sections, one each for the Economic Impacts and Fiscal Impacts analyses. Within each section, additional detail is provided on the approach and assumptions used for that analysis. Each section also contains tables of supporting calculation detail for the results presented in this study.

Economic Impacts
Methodology and Summary Tables

Economic Impact Methodology

HR&A's economic impact analysis considers the one-time impact of Project construction and the ongoing impact from Project operations each year. Economic inputs are direct, indirect, induced, and total effects.



Initial change in spending or employment attributable to new investment (e.g., construction of new market rate and affordable homes).

Change in spending or employment by businesses that supply the directly affected industry (e.g. construction material suppliers).

Change in household spending of employees who are compensated for working in the directly and indirectly affected industry sectors (e.g., food and beverage spending by construction workers).

Multiplier Impacts

Economic Impact Methodology

HR&A used IMPLAN to estimate the economic impacts of the development and operation of the proposed project on the local economy. IMPLAN, created by IMPLAN Group, LLC (formerly MIG, Inc. and the Minnesota IMPLAN Group, Inc.), is an **industry standard input-output model** used to conduct economic impact analyses by leading public and private sector organizations across the United States. It also has been used to monitor job creation for a range of Federal government initiatives, including the economic impacts of the American Recovery and Reinvestment Act of 2009 on state economies.

HR&A conducted its analysis using the IMPLAN input-output model for the Contra Costa County, CA economy. IMPLAN analysis traces the pattern of commodity purchases and sales between industries that are associated with each dollar's worth of a product or service sold to a customer, analyzing interactions among 536 industrial sectors. The model makes adjustments to exclude spending that takes place outside of the study area. The model relies on data about the Contra Costa County economy as of 2019 (latest available).

In addition to **overall economic output**, the IMPLAN input-output model also produces estimates of the number of **jobs supported and compensation**. It includes wage and salary income plus benefits and employer paid taxes, in addition to income earned by independent proprietors. The estimates of jobs and labor income are based on the Bureau of Labor Statistics' Quarterly Census of Employment and Wages (QCEW), data from the Census Bureau's County Business Patterns data, and data from the U.S. Bureau of Economic Analysis Regional Economic and Product Accounts. A full description of IMPLAN and its data methods and sources can be found at www.implan.com.

Economic Impact Methodology

One-Time Employment and Other Economic Impacts in Contra Cosa County from Construction of the SummerHill City Village (Bishop Ranch 6) Residential Development

Impact Category[1]	Direct Impact	Indirect Impact	Induced Impact	Total Impact[2]
Construction				
Employment	1,101	174	273	1,547
Employee Compensation	$71,213,243	$9,585,179	$13,258,681	$94,057,104
Total Economic Output	$170,850,472	$33,509,102	$49,498,821	$253,858,395

[1] Employee Compensation and Total Economic Output values are stated in 2021 dollars.

[2] Totals may not sum precisely due to independent rounding.

Sources: SummerHill Homes; IMPLAN; HR&A Advisors, Inc.

Economic Impact Methodology

Ongoing Employment and Other Economic Impacts in Contra Costa County from Annual Operations of the SummerHill City Village (Bishop Ranch 6) Residential Development (Gross Project and Net Impacts)

Impact Category[1]	Direct Impact	Indirect Impact	Induced Impact	Total Impact[2]
New Residential Impacts				
Employment	0	0	236	236
Employee Compensation	$0	$0	$11,325,645	$11,325,645
Total Economic Output	$0	$0	$42,112,653	$42,112,653
Gross Impact of Existing Office Buildings				
Employment	(1,348)	(815)	(465)	(2,628)
Employee Compensation	($119,601,039)	($45,262,755)	($22,630,503)	($187,494,297)
Total Economic Output	($341,401,938)	($155,154,939)	($84,583,973)	($581,140,851)
Net Loss from Existing Office Buildings[3]				
Employment	(67)	(41)	(23)	(131)
Employee Compensation	($5,980,052)	($2,263,138)	($1,131,525)	($9,374,715)
Total Economic Output	($17,070,097)	($7,757,747)	($4,229,199)	($29,057,043)
NET PROJECT IMPACTS[4]				
Employment	**(67)**	**(41)**	**213**	**105**
Employee Compensation	**($5,980,052)**	**($2,263,138)**	**$10,194,119**	**$1,950,930**
Total Economic Output	**($17,070,097)**	**($7,757,747)**	**$37,883,454**	**$13,055,610**

[1] Employee Compensation and Total Economic Output values are stated in 2021 dollars.

[2] Totals may not sum precisely due to independent rounding.

[3] Assumed 90% of existing office will relocate within Contra Costa County, 5% lost due to the COVID-19 pandemic, and 5% lost due to the Project.

[4] Net project impacts are the difference between the new impacts from the Project and the impacts of the net loss of existing office directly due to the construction of the Project (5% of the total).

Sources: SummerHill Homes; IMPLAN; HR&A Advisors, Inc.

Economic Impact Methodology

Construction Budget

Cost Categories	Hard Construction Cost (2021 $)	IMPLAN Sector #	IMPLAN Sector Name
Residential Program	**$170,850,472**	***57***	Construction of new single-family residential structures
Hard Costs – Vertical	$134,114,308		
Hard Costs - Horizontal	$36,736,164		
Total Hard Costs	**$170,850,472**		

Source: SummerHill Homes

Economic Impact Methodology

Existing Annual Operations

IMPLAN Sector Code	IMPLAN Sector	Gross Square Feet[1]	Gross Leasable Area[2]	Occupied SF (30% Vacancy Adjustment)[3]	SF / Job[4]	Total Jobs
469	Management of companies and enterprises	103,283	93,159	54,997	250	220
462	Management consulting services	101,692	91,724	54,150	250	217
446	Funds, trusts, and other financial vehicles	89,437	80,670	47,624	250	190
460	Computer systems design services	66,133	59,651	35,215	250	141
439	Non-depository credit intermediation and related activities	45,436	40,983	24,194	250	97
393	Wholesale - Professional and commercial equipment and supplies	44,403	40,050	23,644	250	95
470	Office administrative services	30,565	27,569	16,276	250	65
445	Insurance agencies, brokerages, and related activities	28,943	26,106	15,412	250	62
456	Accounting, tax preparation, bookkeeping, and payroll services	23,739	21,412	12,641	250	51
455	Legal services	23,145	20,876	12,324	250	49
438	Internet publishing and broadcasting and web search portals	22,657	20,436	12,065	250	48
457	Architectural, engineering, and related services	13,994	12,622	7,452	250	30
468	Marketing research and all other miscellaneous professional, scientific, and technical services	11,133	10,042	5,928	250	24
463	Environmental and other technical consulting services	8,283	7,471	4,410	250	18
522	Grantmaking, giving, and social advocacy organizations	3,961	3,573	2,109	250	8
482	Other educational services	3,398	3,065	1,810	250	7
474	Travel arrangement and reservation services	3,330	3,004	1,773	250	7
473	Business support services	3,269	2,949	1,741	250	7
510	Limited-service restaurants	2,379	2,146	1,267	250	5
487	Medical and diagnostic laboratories	3,101	2,797	1,651	250	7
Total		**632,284**	**570,305**	**336,683**	**250**	**1,347**

[1] Contra County Assessors Office; HR&A Advisors, Inc.

[2] HR&A applied an 90% efficiency factor to derive Gross Leasable Area from Gross Building Area.

[3] CoStar.

[4] HR&A Assumption. Based on space planning guidelines published by National Association for Industrial and Office Parks.

Sources: SummerHill Homes; IMPLAN; HR&A Advisors, Inc.

Economic Impact Methodology

Proposed Annual Operations

Category	Market-Rate Homes (weighted average)[1]	Affordable Homes (weighted average)[2]	Total
Total Homes	384	20	**404**
Average Purchase Price[3]	$1,177,565	$523,848	
Down Payment	20%	13%	
Mortgage Principal	$942,052	$443,293	
Term (Years)	30	30	
APR	3.209%	3.560%	
Monthly Payment	$4,072	$1,987	
Annual Property Tax Rate	1.200%	1.200%	
Annual Property Tax Payment	$14,131	$6,286	
Annual Insurance Cost	$750	$406	
Monthly HOA	$217	$405	
Annual Housing Costs	$69,690	$38,747	
Housing Cost/Household Income	32%	32%	
Required Gross Hhld. Income	$217,880	$121,535	
Total Project Gross Hhld. Income	**$83,666,000**	**$2,430,700**	**$86,096,700**
IMPLAN Sector #	1009	10005 and 10007	
IMPLAN Sector Name	Households > 200K	Households 100-150K, Households 50-70K	

[1] Weighted average for the market-rate portion of the 3 residential products. See Land Use Program, page 27.
[2] Weighted average for the 3 affordable housing levels for the Attached Townhomes residential product. See Land Use Program, page 27.
[3] See Home Values, page 27, for more information on home prices by residential product.

Sources: SummerHill Homes; HR&A Advisors, Inc.

Fiscal Impacts
Methodology and Summary Tables

Fiscal Impact Methodology

To construct the fiscal impact analysis model for the Project, HR&A used **public and proprietary third-party data** to estimate certain real estate metrics, City municipal code requirements and budget data to identify tax revenues and tax formulas applicable to the Project, and industry-standard tax revenue and municipal services cost analysis approaches. SummerHill provided HR&A with certain assumptions about the Project including the **scale of Project components, phasing, existing office tenants, and anticipated sales prices for the completed Project residential units.**

HR&A quantified both **one-time construction-rated impacts** and **recurring fiscal impacts** to the General Fund for the City of San Ramon. One-time impacts include tax revenues resulting from property tax revenues on in-progress construction and the City's share of sales tax on construction materials (assuming the construction site is properly registered by the contractors with the State of California for this purpose). The construction tax revenue estimates do not include any planning fees, construction permits, developer fees or mitigation fee charges because these charges are generally set at rates intended to directly offset City costs, and therefore do not represent net new revenues that can be used to fund other City expenditures. Recurring fiscal impacts refer to City revenues and costs that occur on an annual basis as the Project is completed in phases, leased, and stabilized. Estimated recurring Project revenues are **based on current City tax rates and tax formulas,** which are assumed to remain unchanged over the 2021-2048 projection period (i.e., incremental phased completion and twenty years of stabilized operation), and HR&A analysis.

The estimated costs to deliver City services to the Project are based on a **per-capita cost accounting method** that expresses existing office employees as "resident equivalents" based on the time they spend in the City, plus the estimated number of Project residents, to calculate average per-capita General Fund operating budgets of applicable City departments whose budgets would be affected by the Project's new City population and employees. **The difference between total Project revenues, existing property tax revenues, and estimated City service costs, minus the net revenues associated with existing office buildings, yields the net fiscal impact of the Project.**

Fiscal Impact Methodology

Descriptions of key revenue sources for the City of San Ramon's General Fund are as follows:

Property Tax. The property tax applicable to the Project site includes a one percent levy on the assessed value of land and buildings, which is distributed among different local taxing entity accounts including the City of San Ramon. As each Project phase is completed, assessed value is based on the weighted average sales price for homes sold in that phase. Thereafter, assessed value of those homes is increased by two percent annually in accordance with Proposition 13. The analysis assumes that 10 percent of homes in each phase are re-sold each year, which resets the property tax for those homes based on their resale price, which in turn assumes annual appreciation above the original sale price.

Property Tax In Lieu of Motor Vehicle License Fees. This additional property tax revenue is provided by the State to communities following the elimination of local receipt of Motor Vehicle License Fees in 2005. The motor vehicle in lieu fee (MVLF) amount is set by the State based on the total assessed value of land and buildings in a given municipality each year. HR&A calculates MLVF based on the ratio of MVLF in FY 2020 and assessed value in FY 2020. This tax revenue calculation is also derived from assessed value, and hence it is based on the same per-phase weighted average sales price of homes sold each year, including resales.

Documentary Transfer Tax. The City collects a transfer tax on every real estate transaction. HR&A applies this tax to each unit subject to re-sale annually based on its sale price in that year.

Franchise Tax. A franchise fee is imposed on various utilities, which permits them to use and operate facilities within the City. The fee is based on the gross income derived by each utility from charges to new Project businesses and households. This tax is applied as each building and phase is completed.

Sales Tax. The State Board of Equalization allocates one percent of local sales tax revenue back to the City for general purposes. HR&A's analysis includes sales tax generated from sales by Project households in San Ramon.

Fiscal Impact Methodology

Land Use Program[1]

Program	Total Residential	Total For-Sale	For-Sale (Market-Rate)	For-Sale (Affordable)	For-Sale (Moderate)	For-Sale (Low)	For-Sale (Very Low)
Detached Court SFD	**154 Units**	154 Units	154 Units	-	-	-	-
Detached Row Homes	**114 Units**	114 Units	114 Units	-	-	-	-
Attached Townhomes	**136 Units**	136 Units	116 Units	20 Units	10 Units	6 Units	4 Units
Total	**404 Units**	**404 Units**	**384 Units**	**20 Units**	**10 Units**	**6 Units**	**4 Units**

[1] SummerHill Homes

Home Values[1]

Product	Affordability Level	Weighted Average Sales Price
Detached Court SFD	**Market**	**$1,347,500**
Detached Row Homes	**Market**	**$1,156,667**
Attached Townhomes	**Average**	**$906,522**
	Market	$972,500
	Moderate	$724,838
	Low	$405,579
	Very Low	$198,780

[1] SummerHill Homes.

Construction Hard Costs

Land Use	Hard Costs (2021$)[1]
Residential	$170,850,472
Total	**$170,850,472**

[1] SummerHill Homes.

Other Assumptions

Category	Factors
Avg Future Renter HH Size	
Market Rate Housing[1]	3.19
Affordable Housing[2]	4.60

[1] HR&A assumption based on 2018 American Community Survey 5-Year Estimates.
[2] Derived from HCD affordable rent schedule.

City Tax Rates[1]

General Fund	Factors
General Levy (x Assessed Value)	1.0%
City Share of General Levy[2]	10.2%
2020 City Assessed Value	$22,740,938,432
2020 City MVLF in Lieu	$5,557,140
MVLF In Lieu Percentage (x Assessed Value)	0.024%
Documentary Transfer Tax	$1.10/$1,000
Sales and Use Tax	1.0%
Franchise Tax (Internet and Cable)	5.0%

[1] City of San Ramon Municipal Code.
[2] Assumes approval of the 4th Amendment to the City-County Tax Sharing Agreement

Financing and Tax Assumptions[1]

Land Use	Factors
Discount Rate for 2021 NPV[2]	9.5%
Annual Inflation Rate	3.0%
Annual Inflation Rate (Property Tax and MVLF In Lieu)	2.0%
Housing Appreciation Rate	6.0%
Annual Residential Unit Re-sale Turnover	10.0%

[1] HR&A Advisors Assumptions.
[2] Weighted average cost of capital (WACC) for major national homebuilders.

Fiscal Impact Methodology

Estimated Property Taxes (Construction)

Stabilized Valuation	Factors	Values[4]
Residential For-Sale		
Total Hard Cost[1]		$170,850,472
Cost Allocation[2]	100%	
Net Value = Assessed Value		$170,850,472
For-Sale Residential		$170,850,472
Total Assessed Value		**$170,850,472**

Property Tax	Factors	Values
General Levy (x Assessed Value)[3]	**1.0%**	**$1,708,505**
For-Sale Residential		$1,708,505
City Share of General Levy[3]	**10.2%**	**$174,684**
For-Sale Residential		$174,684
MVLF In Lieu (x Assessed Value)[3]	**0.0244%**	**$41,750**
For-Sale Residential		$41,750

[1] SummerHill Homes. Includes both market-rate and affordable units.

[2] Allocation based on total program units by product type.

[3] See page 27: Land Use Assumptions

[4] Based on the total hard costs of construction.

Fiscal Impact Methodology

Estimated Onsite Construction Sales + Use Tax

Land Use	Total Allocated Hard Costs (2021 $)[1]	% Building Materials	Taxable Sales	% Sales Occurring in San Ramon	Taxable Sales in San Ramon	City's Sales Tax Rate[2]	Total Construction Sales (2021 $)[3]
Residential	$170,850,472	50%	$85,425,236	50%	$42,712,618	1.0%	$427,126
Total	**$170,850,472**		**$85,425,236**		**$42,712,618**		**$427,126**

[1] See Appendix B - Table 3: Estimated Property Taxes (Construction)

[2] Assumes tax rates effective 1/1/2021 remain in effect without change over the projection period.

[3] Assumes the City will work with the contractors to ensure the point of sale of all materials occurs at the worksite (i.e. within City limits).

Fiscal Impact Methodology

Estimated Property Taxes

Stabilized Valuation	Factors	Values
For-Sale Residential		
Average Price per Unit[1]		$1,145,203
Total Units[1]		404
Gross Home Sales		$462,662,007
Less: Cost of Sale[2]	5%	-$13,879,860
Net Value = Assessed Value		$448,782,147
For-Sale Residential		$448,782,147
Total Assessed Value		**$448,782,147**

Property Tax	Factors	Values
General Levy (x Assessed Value)[4]	**1.0%**	**$4,487,821**
For-Sale Residential		$4,487,821
City Share of General Levy[4]	**10.2%**	**$458,851**
For-Sale Residential		$458,851
MVLF In Lieu (x Assessed Value)[4]	**0.0244%**	**$109,668**
For-Sale Residential		$109,668

[1] SummerHill Homes. Includes both market-rate and affordable units.

[2] HR&A Advisors. Includes management fee, a replacement reserve, and all other operating expenses.

[3] HR&A Advisors, Inc.

[4] See page 27: Land Use Assumptions

Fiscal Impact Methodology

Household Retail Spending in San Ramon

Categories	Values
Total Retail Spending in San Ramon[1]	$846,775,869
Number of Workers Living Outside San Ramon[2]	22,639
Annual Spending Per Worker[3]	$6,464
Total Worker Spending[3]	$146,338,097
Total Resident Spending in San Ramon	$700,437,772
Total Spending Potential of San Ramon Residents[4]	$2,081,702,696
Percent Resident Spending in San Ramon	**34%**

[1] ESRI Business Analyst.

[2] LEHD. Excludes workers earning less than $3,333 per month ($40,000 per year).

[3] International Council of Shopping Centers, Office Worker Retail Spending in a Digital Age, p. 32, Urban Spending, 2011

[4] ESRI Business Analyst.

Fiscal Impact Methodology

For-Sale Residential Household Sales Tax Revenue (Market-Rate)

Household Income Per Unit		Spending Category	Amount	Percent	Percent Taxable[2]	Taxable Amount	% of Project Hhld. Taxable Purchases San Ramon
Average Purchase Price[1]	$1,177,565	Hhld. Income Before Taxes[6]	$291,408	100%			34%
Down Payment[2]	20%	Average CES Household Size	3.2				
Mortgage Principal	$942,052	Average Expected Household Size	3.2				
Term (Years)[2]	30	Household Size Adjustment Factor	1.0				
Rate (APR)[1]	3.209%						
Average Monthly Mortgage Payment	$4,072	**Annual Consumer Expenditures[7]**	**$178,136**	**90.31%**			**10.0%**
Monthly HOA[1]	$217	Food at Home	$7,617	3.86%	25%	$1,904	$647
Monthly Utility Cost[3]	$279	Food Away from Home	$8,125	4.12%	100%	$8,125	$2,763
Annual Property Tax Rate[2]	1.155%	Alcoholic Beverages	$1,439	0.73%	100%	$1,439	$489
Annual Property Tax Payment	$13,601	Housekeeping Supplies	$1,347	0.68%	100%	$1,347	$458
Annual Insurance Cost[4]	$4,946	Household Furnishings & Equipment	$5,228	2.65%	100%	$5,228	$1,778
Total Annual Housing Cost	$69,938	Apparel & Services	$4,379	2.22%	100%	$4,379	$1,489
Housing Allocation[2]	32%	Transportation	$21,222	10.76%	100%	$21,222	$7,215
Estimated Gross Hhld. Income	$218,556	Entertainment (less Fees & Admissions)	$4,567	2.32%	100%	$4,567	$1,553
		Personal Care Products & Services	$1,621	0.82%	100%	$1,621	$551
Project Annual Sales Tax		Reading	$161	0.08%	100%	$161	$55
Total Units[5]	384	Tobacco Products	$168	0.09%	100%	$168	$57
Total Project Gross Hhld. Income	83,925,475	Miscellaneous	$2,089	1.06%	100%	$2,089	$710
Annual Hhld. Spending/Total Hhld. Income	64%	Housing Costs[2]	$69,938	35.46%	0%	$0	$0
Annual Hhld. Spending	53,336,546	Health Care	$9,532	4.83%	0%	$0	$0
Adjustment for Taxable Spending	10.0%	Entertainment-Fees & Admissions	$3,986	2.02%	0%	$0	$0
Annual Hhld. Taxable Spending After Adjustment	5,334,387	Education	$5,569	2.82%	0%	$0	$0
City Sales Tax Rate	1.00%	Cash Contributions	$6,266	3.18%	0%	$0	$0
Annual Sales Tax Revenue (2021$)	**$53,344**	Personal Insurance and Pensions	$24,882	12.62%	0%	$0	$0

[1] SummerHill Homes. Weighted average of all market-rate units.

[2] HR&A Advisors assumption. Weighted average of all market-rate units.

[3] U.S. Energy Information Administration and U.S. Environmental Protection Agency.

[4] Based on estimates from Lemonade Insurance. Weighted average of all market-rate units.

[5] See page 27: Land Use Assumptions.

[6] Bureau of Labor Statistics Consumer Expenditure Survey 2019 mean income before taxes for households earning over $200,000 annually.

[7] Average consumer spending in total and by category correspond to the 2019 Consumer Expenditure Survey for households earning over $200,000 annually, adjusted for household size.

Fiscal Impact Methodology

For-Sale Residential Household Sales Tax Revenue (Affordable)

Household Income Per Unit		Spending Category	Amount	Percent	Percent Taxable[2]	Taxable Amount	% of Project Hhld. Taxable Purchases San Ramon
Average Purchase Price[1]	$523,848	Hhld. Income Before Taxes[6]	$109,012	100%			34%
Down Payment[2]	20%	Average CES Household Size	3.2				
Mortgage Principal	$443,293	Average Expected Household Size	3.2				
Term (Years)[2]	30	Household Size Adjustment Factor	1.0				
Rate (APR)[1]	3.560%						
Average Monthly Mortgage Payment	$1,987	**Annual Consumer Expenditures[7]**	**$129,943**	**57.53%**			**13.1%**
Monthly HOA[1]	$405	Food at Home	$8,836	3.91%	25%	$2,209	$751
Monthly Utility Cost[3]	$279	Food Away from Home	$6,919	3.06%	100%	$6,919	$2,352
Annual Property Tax Rate[2]	1.200%	Alcoholic Beverages	$1,227	0.54%	100%	$1,227	$417
Annual Property Tax Payment	$6,286	Housekeeping Supplies	$1,461	0.65%	100%	$1,461	$497
Annual Insurance Cost[4]	$549	Household Furnishings & Equipment	$4,154	1.84%	100%	$4,154	$1,412
Total Annual Housing Cost	$38,891	Apparel & Services	$3,730	1.65%	100%	$3,730	$1,268
Housing Allocation[2]	32%	Transportation	$22,280	9.86%	100%	$22,280	$7,575
Estimated Gross Hhld. Income	$121,535	Entertainment (less Fees & Admissions)	$4,464	1.98%	100%	$4,464	$1,518
		Personal Care Products & Services	$1,555	0.69%	100%	$1,555	$529
Project Annual Sales Tax		Reading	$173	0.08%	100%	$173	$59
Total Units[5]	20	Tobacco Products	$531	0.24%	100%	$531	$181
Total Project Gross Hhld. Income	2,430,700	Miscellaneous	$1,538	0.68%	100%	$1,538	$523
Annual Hhld. Spending/Total Hhld. Income	120%	Housing Costs[2]	$38,891	17.22%	0%	$0	$0
Annual Hhld. Spending	2,915,992	Health Care	$9,920	4.39%	0%	$0	$0
Adjustment for Taxable Spending	13.1%	Entertainment-Fees & Admissions	$1,510	0.67%	0%	$0	$0
Annual Hhld. Taxable Spending After Adjustment	381,548	Education	$2,531	1.12%	0%	$0	$0
City Sales Tax Rate	1.00%	Cash Contributions	$3,770	1.67%	0%	$0	$0
Annual Sales Tax Revenue (2021$)	**$3,815**	Personal Insurance and Pensions	$16,453	7.28%	0%	$0	$0

[1] SummerHill Homes. Weighted average of all affordable units.

[2] HR&A Advisors assumption. Weighted average of all affordable units.

[3] U.S. Energy Information Administration and U.S. Environmental Protection Agency.

[4] Based on estimates from Lemonade Insurance.

[5] See page 27: Land Use Assumptions.

[6] Bureau of Labor Statistics Consumer Expenditure Survey 2019 mean income before taxes for households earning between $100,000 and $149,999 annually.

[7] Average consumer spending in total and by category correspond to the 2019 Consumer Expenditure Survey for households earning between $100,000 and $149,999 annually, adjusted for household size.

Fiscal Impact Methodology

Estimated Franchise Tax

Tenant Type	Units/ Establishments[1]	Cost per HH[2]	Cost per SF or Unit with 5% Vacancy	Franchise Tax Rate[3]	Total Franchise Tax
Residential		**Per HH[6]**			
Internet	404	$696	$661	5.0%	$13,356
Cable	404	$936	$889	5.0%	$17,962
					$31,318
Annual Franchise Tax Revenue (2021$)					**$31,318**

1 SummerHill Homes. Includes both market-rate and affordable units.

2 U.S. Energy Information Administration, various cable and internet providers.

3 City of San Ramon. Assumes tax rates effective 1/1/2021 remain in effect without change over the projection period.

Fiscal Impact Methodology

Estimated Licenses, Permits, Fees and Fines

		% of Day in City[1]	Resident-Equivalents
Multi-Family Residential			
Total Resident Population	1,317	88%	1,165
Total Resident-Equivalents			**1,165**
Licenses, Permits, Fees and Fines			
FY 2019-20 Revenues[2]	$8,033,112		
Total Resident-Equivalents[1]	76,701		
Per Resident-Equivalent	$105		
Annual Revenues (2021$)			**$122,009**

[1] See Resident-Equivalent calculation, page 36.

[2] City of San Ramon. Revenues include general government service charge, city ordinance violation, application/filing fee, dog license, building permits, and miscellaneous permits per San Ramon's FY 2019-20 adopted budget.

Fiscal Impact Methodology

City Resident-Equivalents

	Number	% of Week in City[4]	Resident-Equivalents
City of San Ramon Population[1]			
Out-Commuting Resident Workers[2]	32,595	73%	23,864
Remaining Residential Population	43,053	100%	43,053
Subtotal	75,648		66,917
Weighted Average Percent		88%	
Non-Resident Daytime Employment Population[3]	36,528	27%	9,784
Subtotal	36,528		9,784
Grand Total	**112,176**		**76,701**

[1] 2019 American Community Survey 5-Year Estimate.

[2] Out-commuting resident workers per Longitudinal Employment Housing Data, 2018, U.S. Census Bureau.

[3] In-commuting resident workers per Longitudinal Employment Housing Data, 2018, U.S. Census Bureau.

[4] Calculated per an assumed percentage the individual is within the City. For example, non-resident daytime employees are assumed to be in the City 9 hours per day, 5 days per week for a total of 45 hours per week out of a total of 168 hours, this equates to 27% of the week within the City.

Fiscal Impact Methodology

Estimated City Service Costs

City Departments Impacted by Development[1]	FY 2020-21 Adopted Budget[2]	Total Resident- Equivalent Population[3]	Cost Per Resident-Equivalent
City Clerk	$624,394	76,701	$8
Finance Division	$1,769,378	76,701	$23
Public Works	$14,999,519	76,701	$196
Police Services	$15,824,259	76,701	$206
Parks & Community Services	$7,836,018	76,701	$102
	$41,053,568		**$535**

	Number	% of Day	Resident-Equivalents
Total Resident-Equivalents			
Total Resident Population[4]	1,317	88%	1,165
Total Resident-Equivalents			**1,165**
Total Cost of City Services (2021 $)			**$623,256**

[1] Only includes departments whose annual costs vary with the number of residents, workers and visitors.

[2] FY 2020-21 Adopted Budget, City of San Ramon; includes departmental budget appropriations (salary, expenses, and other direct costs) as well as certain related/indirect variable costs.

[3] See Resident-Equivalent calculation, page 36.

[4] Estimate based on the product of residential units of market-rate versus affordable and their respective average household size.

Fiscal Impact Methodology

Existing Property Tax

Category	Factor[3]	Total
Assessed Value[1]		$75,418,365
General Levy (x Assessed Value)	1.0%	$754,184
City Share of General Levy[2]	10.2%	$77,110
MVLF In Lieu (x Assessed Value)	0.024%	$18,430
San Ramon Property Tax Revenue (2021 $)		**$95,540**

[1] 2020 assessed value for parcel 213-133-048-8 from the Contra Costa County Assessors and includes both land and improvement value.

[2] Assumes approval of the 4th Amendment to the City-County Tax Sharing Agreement.

[3] See page 27: City Tax Rates.

Fiscal Impact Methodology

Tax Revenue Cash Flow - With Annual Inflation, Resales, and Price Appreciation

Total Development Project

	2021	2022	2023	2024	2025	2026	2027	2028
Percent Program Constructed	0%	0%	5%	36%	66%	92%	100%	100%
Percent Program Delivered	0%	0%	5%	16%	16%	11%	2%	0%
Percent Program Absorbed	0%	0%	0%	20%	50%	81%	98%	100%
General Fund Revenues	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**
Property Tax (Construction)	$0	$0	$9,528	$30,913	$31,841	$22,129	$5,056	$0
MVLF In Lieu (Construction)	$0	$0	$2,277	$7,388	$7,610	$5,289	$1,208	$0
Documentary Transfer Tax (Construction)	$0	$0	$0	$124,463	$212,713	$232,240	$143,204	$26,039
Sales Tax (Construction)	$0	$0	$27,157	$166,805	$171,809	$141,730	$42,138	$0
Property Tax (Ongoing)[1]	$0	$0	$0	$115,687	$316,545	$541,828	$692,697	$742,532
MVLF In Lieu (Ongoing)[1]	$0	$0	$0	$27,650	$75,656	$129,500	$165,558	$177,469
Documentary Transfer Tax (Ongoing)	$0	$0	$0	$0	$13,589	$38,060	$66,910	$88,688
Franchise Tax	$0	$0	$0	$7,764	$20,595	$34,188	$41,858	$44,047
Sales Tax (Ongoing)	$0	$0	$0	$13,488	$35,778	$59,393	$72,718	$76,522
Transient Occupancy Tax	$0	$0	$0	$0	$0	$0	$0	$0
Licenses, Permits, Fees and Fines	$0	$0	$0	$30,247	$80,232	$133,189	$163,069	$171,599
Total Annual Revenues to City's General Fund	**$0**	**$0**	**$38,962**	**$524,406**	**$966,367**	**$1,337,547**	**$1,394,416**	**$1,326,894**
Less: Property Tax and MVLF Revenue from Existing Site	($95,540)	($97,451)	($99,400)	($101,388)	($103,416)	($105,484)	($107,594)	($109,746)
Less: City Service Costs	$0	$0	$0	($154,512)	($409,848)	($680,366)	($833,001)	($876,572)
Net Fiscal Impact to City's General Fund	**($95,540)**	**($97,451)**	**($60,438)**	**$268,506**	**$453,103**	**$551,697**	**$453,821**	**$340,576**
Home Price Appreciation	**6.0%**							
Annual Inflation Rate	**3.0%**							
Annual Inflation Rate (Property Tax and MVLF In Lieu)	**2.0%**							
Discount Rate[2]	**9.5%**							

[1] Includes property tax turnover of 10 percent each year.

[2] Discount rate of 9.5% based on the weighted average cost of capital (WACC) for major national homebuilders.

Fiscal Impact Methodology

Tax Revenue Cash Flow - With Annual Inflation, Resales, and Price Appreciation

Total Development Project

	2029	2030	2031	2032	2033	2034	2035	2036
Percent Program Constructed	100%	100%	100%	100%	100%	100%	100%	100%
Percent Program Delivered	0%	0%	0%	0%	0%	0%	0%	0%
Percent Program Absorbed	100%	100%	100%	100%	100%	100%	100%	100%
General Fund Revenues	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**
Property Tax (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
MVLF In Lieu (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
Documentary Transfer Tax (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
Sales Tax (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
Property Tax (Ongoing)[1]	$774,288	$811,945	$855,799	$906,195	$963,527	$1,028,243	$1,100,846	$1,181,900
MVLF In Lieu (Ongoing)[1]	$185,059	$194,059	$204,540	$216,585	$230,288	$245,755	$263,108	$282,480
Documentary Transfer Tax (Ongoing)	$99,672	$108,822	$118,812	$129,719	$141,627	$154,628	$168,823	$184,321
Franchise Tax	$45,368	$46,729	$48,131	$49,575	$51,063	$52,594	$54,172	$55,797
Sales Tax (Ongoing)	$78,817	$81,182	$83,617	$86,126	$88,710	$91,371	$94,112	$96,935
Transient Occupancy Tax	$0	$0	$0	$0	$0	$0	$0	$0
Licenses, Permits, Fees and Fines	$176,747	$182,049	$187,511	$193,136	$198,930	$204,898	$211,045	$217,376
Total Annual Revenues to City's General Fund	**$1,359,951**	**$1,424,786**	**$1,498,410**	**$1,581,336**	**$1,674,144**	**$1,777,489**	**$1,892,105**	**$2,018,810**
Less: Property Tax and MVLF Revenue from Existing Site	($111,941)	($114,179)	($116,463)	($118,792)	($121,168)	($123,591)	($126,063)	($128,584)
Less: City Service Costs	($902,870)	($929,956)	($957,854)	($986,590)	($1,016,188)	($1,046,673)	($1,078,074)	($1,110,416)
Net Fiscal Impact to City's General Fund	**$345,141**	**$380,651**	**$424,093**	**$475,954**	**$536,788**	**$607,225**	**$687,968**	**$779,810**
Home Price Appreciation	**6.0%**							
Annual Inflation Rate	**3.0%**							
Annual Inflation Rate (Property Tax and MVLF In Lieu)	**2.0%**							
Discount Rate[2]	**9.5%**							

[1] Includes property tax turnover of 10 percent each year.

[2] Discount rate of 9.5% based on the weighted average cost of capital (WACC) for major national homebuilders.

Fiscal Impact Methodology

Tax Revenue Cash Flow - With Annual Inflation, Resales, and Price Appreciation

Total Development Project

	2037	2038	2039	2040	2041	2042	2043	2044
Percent Program Constructed	100%	100%	100%	100%	100%	100%	100%	100%
Percent Program Delivered	0%	0%	0%	0%	0%	0%	0%	0%
Percent Program Absorbed	100%	100%	100%	100%	100%	100%	100%	100%
General Fund Revenues	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**	**2044**
Property Tax (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
MVLF In Lieu (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
Documentary Transfer Tax (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
Sales Tax (Construction)	$0	$0	$0	$0	$0	$0	$0	$0
Property Tax (Ongoing)[1]	$1,272,035	$1,371,951	$1,482,421	$1,604,302	$1,738,536	$1,886,162	$2,048,321	$2,226,268
MVLF In Lieu (Ongoing)[1]	$304,023	$327,903	$354,306	$383,436	$415,519	$450,802	$489,559	$532,090
Documentary Transfer Tax (Ongoing)	$201,242	$219,716	$239,885	$261,907	$285,950	$312,200	$340,860	$372,151
Franchise Tax	$57,471	$59,195	$60,971	$62,800	$64,685	$66,625	$68,624	$70,683
Sales Tax (Ongoing)	$99,843	$102,839	$105,924	$109,102	$112,375	$115,746	$119,218	$122,795
Transient Occupancy Tax	$0	$0	$0	$0	$0	$0	$0	$0
Licenses, Permits, Fees and Fines	$223,897	$230,614	$237,533	$244,659	$251,999	$259,559	$267,345	$275,366
Total Annual Revenues to City's General Fund	**$2,158,512**	**$2,312,219**	**$2,481,041**	**$2,666,206**	**$2,869,062**	**$3,091,093**	**$3,333,928**	**$3,599,352**
Less: Property Tax and MVLF Revenue from Existing Site	($131,156)	($133,779)	($136,455)	($139,184)	($141,968)	($144,807)	($147,703)	($150,657)
Less: City Service Costs	($1,143,728)	($1,178,040)	($1,213,381)	($1,249,783)	($1,287,276)	($1,325,895)	($1,365,671)	($1,406,642)
Net Fiscal Impact to City's General Fund	**$883,628**	**$1,000,399**	**$1,131,205**	**$1,277,239**	**$1,439,818**	**$1,620,392**	**$1,820,553**	**$2,042,053**
Home Price Appreciation	**6.0%**							
Annual Inflation Rate	**3.0%**							
Annual Inflation Rate (Property Tax and MVLF In Lieu)	**2.0%**							
Discount Rate[2]	**9.5%**							

[1] Includes property tax turnover of 10 percent each year.

[2] Discount rate of 9.5% based on the weighted average cost of capital (WACC) for major national homebuilders.

Fiscal Impact Methodology

Tax Revenue Cash Flow - With Annual Inflation, Resales, and Price Appreciation

Total Development Project						
	2045	**2046**	**2047**	**2048**	**Nominal**	**NPV**
Percent Program Constructed	100%	100%	100%	100%		
Percent Program Delivered	0%	0%	0%	0%		
Percent Program Absorbed	100%	100%	100%	100%		
General Fund Revenues	**2045**	**2046**	**2047**	**2048**	**2021-2048**	**2021-2048**
Property Tax (Construction)	$0	$0	$0	$0	$99,468	$64,502
MVLF In Lieu (Construction)	$0	$0	$0	$0	$23,773	$15,416
Documentary Transfer Tax (Construction)	$0	$0	$0	$0	$738,658	$444,886
Sales Tax (Construction)	$0	$0	$0	$0	$549,640	$350,392
Property Tax (Ongoing)[1]	$2,421,378	$2,635,158	$2,869,261	$3,125,494	$34,713,319	$6,834,947
MVLF In Lieu (Ongoing)[1]	$578,722	$629,816	$685,768	$747,009	$8,296,662	$1,633,587
Documentary Transfer Tax (Ongoing)	$406,315	$443,614	$484,338	$528,800	$5,410,648	$965,836
Franchise Tax	$72,803	$74,987	$77,237	$79,554	$1,367,517	$320,190
Sales Tax (Ongoing)	$126,479	$130,273	$134,181	$138,207	$2,375,749	$556,257
Transient Occupancy Tax	$0	$0	$0	$0	$0	$0
Licenses, Permits, Fees and Fines	$283,627	$292,135	$300,899	$309,926	$5,327,587	$1,247,400
Total Annual Revenues to City's General Fund	**$3,889,323**	**$4,205,985**	**$4,551,685**	**$4,928,991**	**$58,903,020**	**$12,433,413**
Less: Property Tax and MVLF Revenue from Existing Site	($153,670)	($156,744)	($159,879)	($163,076)	($3,539,878)	($1,099,152)
Less: City Service Costs	($1,448,841)	($1,492,306)	($1,537,075)	($1,583,187)	($27,214,746)	($6,372,052)
Net Fiscal Impact to City's General Fund	**$2,286,812**	**$2,556,935**	**$2,854,731**	**$3,182,727**	**$28,148,397**	**$4,962,209**
Home Price Appreciation	**6.0%**					
Annual Inflation Rate	**3.0%**					
Annual Inflation Rate (Property Tax and MVLF In Lieu)	**2.0%**					
Discount Rate[2]	**9.5%**					

[1] Includes property tax turnover of 10 percent each year.

[2] Discount rate of 9.5% based on the weighted average cost of capital (WACC) for major national homebuilders.

Business Environmental Risk (BER) Investigation Report

2400-2440 Camino Ramon
San Ramon, California

April 19, 2021

Prepared for:

SummerHill Homes

Prepared by:

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Oakland, California 94607

2965.0014S103/CV

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1. Introduction

Roux Associates, Inc. (Roux) has prepared this Business Environmental Risk (BER) Investigation Report for the investigation activities performed at 2400-2440 Camino Ramon, San Ramon, California (the Site).

On behalf of SummerHill Homes (Client), Roux performed a Phase I Environmental Site Assessment (Phase I ESA) on September 1, 2020. The Phase I ESA was performed to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and/or historical recognized environmental conditions (HRECs) at the Property, indicating past, current, or material threats of the release of hazardous materials or petroleum hydrocarbons to the Property's soil, groundwater, and soil vapor. The ESA was conducted by investigating past Property uses, reviewing the results of a search of environmental databases, reviewing records at relevant government agencies, and performing a Property reconnaissance.

There were no RECs, HRECs, or CRECs identified at the Property. However, the following environmental concerns were identified at the Property that do not rise to the level of a REC but are considered as business environmental risks. BERs are conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate agencies; however, these conditions may have an environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate. Roux identified the following BERs:

- The Property was utilized for agricultural purposes until the 1980s. Potential residual pesticide impacts in shallow soils are considered a BER.
- The facility at 2453 Camino Ramon, across the street to the east of the Property, has regularly generated halogenated compounds since 1993 and contains 10,000-gallon gasoline and diesel underground storage tanks (USTs) USTs. The property received violations related to poorly maintaining spill containing and overfill prevention systems. Although no release at this facility has been identified, this facility is considered a BER.

Roux conducted a total of three rounds of BER environmental subsurface investigations (Round One, Round Two, and Round Three) to assess these BERs. The details of these three rounds of investigations are described in the following sections.

2. Round One BER Investigation

The purpose of the first round of BER Investigation is to assess subsurface soil and soil vapor conditions based on the BERs identified during Phase I ESA.

2.1 Pre-Field Activities

Prior to intrusive work at the Property, Roux prepared a Property-specific Health and Safety Plan. Roux obtained drilling permits. Drilling permits are included in Appendix A. Roux marked the proposed boring locations with white paint and notified Underground Service Alert of intended subsurface work at least two business days prior to drilling. A private geophysical services and utility locating firm, Ground Penetrating Radar Services Inc., of Manteca, California (GPRS) was retained to assess the location and depth of utilities near each boring location at the Property.

2.2 Boring Advancement

On September 16, 2020, under the direction of Roux, Environmental Consulting Associates Drilling (ECA) of Aptos, California (C-57 License # 695970) advanced ten soil borings (RB-1 through RB-10) in order to collect soil samples. Three of the soil borings (RB-1, RB-4, and RB-10) were then converted into 5-foot temporary soil vapor probes. Each location was advanced using a hand auger and each boring was logged to record lithological differences in accordance with the Unified Soil Classification System. Soils were field screened with a photoionization detector (PID). Soil boring locations for the Round One BER Investigation are shown on Figure 2. Boring logs for borings advanced to 5 feet bgs (RB-1, RB-4, and RB-10) are provided in Appendix J.

2.3 Soil Sampling

To determine if shallow soil has been impacted by historical agricultural use, soil samples were collected from each boring at 1 foot bgs and 3 feet bgs. Roux notes that ground surface for this investigation was chosen to be relative to parking lot surfaces to simplify depth interpretations and how they relate to potential grading plans. Therefore, soil boring locations in sloped planters adjacent to the parking lot were advanced at approximately one foot above the parking lot surface and then advanced an extra foot in depth to ensure sample depths were relative to parking lot surface.

Each sample was collected in a laboratory-provided soil jar, appropriately sealed, labelled, stored on ice, and transported by courier under chain-of-custody to McCampbell Analytical, Inc. of Pittsburg, California, a California-certified laboratory (McCampbell).

All soil samples at 3 feet bgs were placed on hold pending the 1-foot sample results. Soil samples collected at 1 foot bgs were analyzed for the following:

- CAM 17 metals by United States Environmental Protection Agency (EPA) Method 6020; and,
- Organochlorinated pesticides (OCPs) by EPA Method 8081A.

2.4 Temporary Soil Vapor Probe Installation

To determine if soil vapor beneath the Property has been impacted, three soil borings (RB-1, RB-4, and RB-10) were advanced to 5 feet bgs and converted into temporary soil vapor probes. As discussed in Section 9.3, ground surface was chosen relative to parking lot surface. Since RB-1, RB-4, and RB-10 were all advanced within sloped planters adjacent to the parking lot, each boring was advanced approximately 1 foot above the adjacent parking lot surface and then advanced to 6 feet bgs but are discussed as 5-foot temporary soil vapor probes.

Each temporary 5-foot soil vapor probe was installed as follows: A 12-inch sand pack was placed from 4 to 5 feet bgs, surrounding the probe tip (at 4.5 feet bgs) midway in the sand pack to minimize the disruption of

airflow to the sampling tip. Twelve inches of dry granular bentonite was placed above the sand from 3 to 4 feet bgs. A final layer of hydrated bentonite was installed immediately above the dry granular bentonite to the surface. Each well's tubing was capped with a gas-tight fitting. The soil vapor probes were allowed 48 hours for equilibration prior to sampling.

2.5 Soil Vapor Sampling

On September 18, 2020, to determine if soil vapor beneath the Property has been impacted by either historic site use or impacts migrating onsite, a soil vapor sample was collected from each of the three 5-foot soil vapor probes (RB-1-SV, RB-4-SV, and RB-10-SV) at least 48 hours following soil vapor probe installation. The samples were collected in laboratory-certified Summa canisters. Prior to sample collection, approximately three well volumes were purged from the sample tubing using a "purge" Summa canister. Purging activities were conducted at the same flow rate used for soil vapor sample collection (approximately 150 milliliters per minute). During sampling, each Summa canister was enclosed in a shroud and helium introduced into the shroud at a minimum of 20 percent (%) by volume, to be used as a tracer gas to confirm the presence or absence of a significant leak during sampling. The collected soil vapor samples were analyzed for the following:

- VOCs by EPA Method TO-15;
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-g) by EPA Method TO-3; and,
- Oxygen and helium (as a tracer gas) content by the American Society for Testing Materials (ASTM) D-1946.

All soil vapor samples were appropriately sealed, labelled, and transported by courier under chain-of-custody to K Prime, Inc. of Santa Rosa, California, a California-certified laboratory.

2.6 Boring Abandonment

Following sampling activities, all borings were backfilled with grout to just below the surface and patched at the surface to match the surrounding ground cover. Temporary soil vapor probes were abandoned by completely removing the tubing, removing some of the hydrated bentonite, backfilling the void space with neat cement grout, and patching the surface to match the surrounding ground cover.

2.7 Investigation-Derived Waste (IDW)

One Department of Transportation- (DOT)-55-gallon steel drum was placed onsite for soil cuttings. The drum was properly sealed and labelled at the end of investigation activities. Pending waste profiling, the drum will be removed from the Property and transported to an appropriate disposal facility.

2.8 Round One BER Investigation Results

Soil and soil vapor analytical results are presented in Tables 1 through 3. The complete analytical laboratory reports are included in Appendix B.

2.8.1 Lithologic Results

Based on the results on this investigation, the Property is generally underlain by silt with varying amounts of clay, sand, and gravel to the total explored depth of 5 feet bgs (6 feet below sloped planter surfaces). Groundwater was not encountered during this investigation.

Boring logs are provided in Appendix C.

2.8.2 Soil Analytical Results

Concentrations detected in soil were compared to RWQCB February 2019 Residential Shallow Soil Direct Exposure Environmental Screening Levels (ESLs)[1] except for arsenic, which was compared to the maximum background concentration in soil for the San Francisco Bay Area[2]. Additionally, all soil results were compared to state and federal hazardous waste criteria. The following are the results:

- No pesticide concentrations exceeded any screening criteria. Based on the preliminary results DDE and DDT were additionally analyzed in RB-3-1 through RB-5-1 and RB-9-1 for the Soluble Threshold Limit Concentration (STLC) hazardous waste criteria limit. All samples were below the STLC for both DDE and DDT of 0.1 milligrams per liter (mg/L). Based on these results, no 3-foot samples were analyzed for pesticides.
- Arsenic exceeded the maximum background concentration of 11 milligrams per kilogram (mg/kg) in RB-4-1 and RB-9-1, both at concentrations of 13 mg/kg. Therefore, the 3-foot samples at each location (RB-4-3 and RB-9-3) were analyzed for arsenic, which were both below the maximum background concentration. No other metals exceeded any screening criteria. Based on these results, no additional 3-foot samples were analyzed for metals.

Soil analytical results are summarized in Tables 1 (pesticides) and 2 (metals and VOCs).The laboratory reports are provided in Appendix B.

2.8.3 Soil Vapor Analytical Results

Concentrations detected in soil vapor were compared to RWQCB Residential Vapor Intrusion Human Health Risk Level Soil Gas ESLs. The results are summarized below:

- TPH-g was detected above its ESL of 20,000 microgram per cubic meter (µg/m^3) at boring location RB-1 with a concentration of 43,000 µg/m^3.
- Benzene was detected above its ESL of 3.2 µg/m^3 at boring location RB-4 with a concentration of 14 µg/m^3.
- Tetrachloroethene (PCE) collected from boring location RB-1 yielded a reporting limit that exceeded the Residential ESL.
- No other VOCs were exceeded the screening criteria.

Soil vapor analytical results are summarized in Table 3 and the laboratory reports are provided in Appendix B.

2.9 Round One BER Investigation Conclusions and Recommendations

Based on the soil analytical results, arsenic concentrations in RB-4 and RB-9 at 1 foot bgs slightly exceed the maximum non-site-specific background concentration of 11 mg/kg approved by the Water Board at concentrations of 13 mg/kg. Samples from RB-4 and RB-9 at 3 feet bgs are below the maximum background concentration. The remaining soil concentrations detected from the metals, VOCs, TPH, and pesticides analytical are below applicable Residential ESLs (or the maximum background concentration) and state and federal hazardous waste criteria.

Soil vapor analytical concentrations at boring locations RB-1, and RB- 4 exceed the residential ESLs for one or more of the following analytes: TPH-g, Benzene, and PCE. The results from locations RB-1 had reporting limits that exceeded the ESL for PCE.

1San Francisco Bay Area Regional Water Quality Control Board Residential Environmental Screening Levels (ESLs) for Soil updated February 2019, REV 2.

2Bradford, G.R., et. al., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Sciences Special Report, Division of Agriculture and Natural Resources, University of California.

Based on these findings, Roux recommended Round Two BER Investigation to collect shallow soil in the vicinity of RB-4 and RB-9 to further assess since soil reuse is planned for the proposed redevelopment.

Additional soil vapor sampling was also recommended in the vicinity of boring locations that exceeded residential ESLs to delineate the extent of the impacts.

3. Round Two BER Investigation

During Roux's September 2020 Round One BER Investigation, soil vapor analytical results indicated TPH-g exceeded the RWQCB residential ESL of 20,000 µg/m^3 at RB-1 with a concentration of 43,000 µg/m^3, and benzene exceeded the ESL of 3.2 µg/m^3 at RB-4 at a concentration of 13 µg/m^3. Additionally, soil analytical results indicated arsenic concentrations in RB-4 and RB-9 at 1 foot bgs exceed the accepted Bay Area background concentration of 11 mg/kg both at a concentration of 13 mg/kg.

Based on these findings, Roux performed a Round Two BER Investigation to delineate onsite soil vapor impacts, characterize onsite groundwater as a potential source for vapor impacts, and to delineate arsenic impacts in shallow soil in the vicinity of RB-4 and RB-9.

3.1 Pre-Field Activities

Prior to intrusive work at the Property, Roux updated the Property-Specific Health and Safety Plan, and a drilling permit was obtained from Contra Costa County. Roux obtained drilling permits. Drilling permits are included in Appendix A. Roux marked the proposed boring locations with white paint and notified Underground Service Alert of intended subsurface work at least two business days prior to drilling. A private geophysical services and utility locating firm, GPRS was retained to assess the location and depth of utilities near each boring location at the Property.

3.2 Boring Advancement

On October 29 & 30, 2020, under the direction of Roux, ECA of Aptos, California (C-57 License # 695970) advanced ten soil borings (RB-11 through RB-20) in order to collect soil, groundwater, and soil vapor samples. Soil samples were collected from four of the soil borings (RB-16, RB-17, RB-18, and RB-19). Grab groundwater samples were collected from two of the soil borings (RB-12 and RB-15). Eight of the soil borings (RB-11through RB-17, and RB-20) were then converted into 5-foot temporary soil vapor probes. Each location was advanced using a hand auger and each boring was logged to record lithological differences in accordance with the Unified Soil Classification System. Soils were field screened with a photoionization detector (PID). The boring locations are shown on Figure 2. Boring logs for borings advanced to 5 feet bgs (RB-11through RB-17, and RB-20) are provided in Appendix C.

3.3 Soil Sampling

To delineate the extent of the impacts of Arsenic in the vicinity of RB-4 and RB-9 in shallow soil, soil samples were collected from borings (RB-16 through RB-19) at 1 foot and 3 feet bgs.

Each sample was collected in a laboratory-provided soil jar, appropriately sealed, labelled, stored on ice, and transported by courier under chain-of-custody to McCampbell.

All soil samples at 3 feet bgs were placed on hold pending the 1-foot sample results. Soil samples collected at 1 foot bgs were analyzed for CAM 17 metals by EPA Method 6020.

3.4 Groundwater Sampling

To determine if groundwater is a potential source for onsite vapor impacts, two grab groundwater samples were collected from borings (RB-12-GW and RB-15-GW).

Each sample was collected in a laboratory-provided bottle, appropriately sealed, labelled, stored on ice, and transported by courier under chain-of-custody to McCampbell.

Groundwater samples collected were analyzed for the following:

- TPH-g and VOCs by EPA Method 8260; and

- TPH-d and TPH-mo by EPA Method 8015.

3.5 Temporary Soil Vapor Probe Installation

To delineate onsite soil vapor impacts, eight soil borings (RB-11 through RB-17, and RB-20) were advanced to 5 feet bgs using a hand auger, the boreholes were then converted into temporary soil vapor probes.

Each temporary 5-foot soil vapor probe was installed as follows: A 12-inch sand pack was placed from 4 to 5 feet bgs, surrounding the probe tip (at 4.5 feet bgs) midway in the sand pack to minimize the disruption of airflow to the sampling tip. Twelve inches of dry granular bentonite was placed above the sand from 3 to 4 feet bgs. A final layer of hydrated bentonite was installed immediately above the dry granular bentonite to the surface. Each well's tubing was capped with a gas-tight fitting. The soil vapor probes were allowed 48 hours for equilibration prior to sampling.

3.6 Soil Vapor Sampling

On November 2, 2020, a soil vapor sample was collected from each of the eight 5-foot soil vapor probes (RB-11-SV through RB-17-SV, and RB-20-SV) at least 48 hours following soil vapor probe installation. The samples were collected in laboratory-certified Summa canisters. Prior to sample collection, approximately three well volumes were purged from the sample tubing using a "purge" Summa canister, or a syringe. Purging activities were conducted at the same flow rate used for soil vapor sample collection (approximately 150 milliliters per minute). During sampling, each Summa canister was enclosed in a shroud and helium introduced into the shroud at a minimum of 20 percent (%) by volume, to be used as a tracer gas to confirm the presence or absence of a significant leak during sampling. Soil vapor log are included in Appendix J. The collected soil vapor samples were analyzed for the following:

- TPH-g and VOCs by EPA Method TO-15;
- Oxygen and helium (as a tracer gas) content by the American Society for Testing Materials (ASTM) D-1946.

All soil vapor samples were appropriately sealed, labelled, and transported by courier under chain-of-custody to Enthalpy Analytical LLC of Berkeley, California, a California-certified laboratory (Enthalpy).

3.7 Boring Abandonment

Following sampling activities, all borings were backfilled with grout to just below the surface and patched at the surface to match the surrounding ground cover. Temporary soil vapor probes were abandoned by completely removing the tubing, removing some of the hydrated bentonite, backfilling the void space with neat cement grout, and patching the surface to match the surrounding ground cover.

3.8 Investigation-Derived Waste (IDW)

The same 55-gallon steel drum generated from the BER Investigation was used to place the soil cuttings generated during the Additional Investigation. The drum was properly sealed and labelled at the end of investigation activities. Pending waste profiling, the drum will be removed from the Property and transported to an appropriate disposal facility.

3.9 Results

Analytical results are presented in Tables 2 through 4. The complete analytical laboratory reports are included in Appendix B.

3.9.1 Lithologic Results

Based on the results of this investigation, the Property is generally underlain by silt with varying amounts of clay, sand, and gravel to the total explored depth of 26 feet bgs. Groundwater was encountered at 24 and 26 feet at RB-12 and RB-15 respectively. Boring logs are provided in Appendix C.

3.9.2 Soil Analytical Results

Concentrations detected in soil were compared to RWQCB February 2019 Residential Shallow Soil Direct Exposure ESLs[3] except for arsenic, which was compared to the accepted background concentration in soil for the San Francisco Bay Area[4]. Additionally, all soil results were compared to state and federal hazardous waste criteria. The following are the results:

- No metal concentrations exceeded the screening criteria.
- Arsenic was detected below the background concentration of 11 mg/kg. Based on these results, none of the 3-foot samples were analyzed for metals.

Metal analytical results from soil sample collected are summarized in Tables 2, and the laboratory reports are provided in Appendix B.

3.9.3 Groundwater Analytical Results

Concentrations detected in groundwater were compared to RWQCB February 2019 Groundwater Vapor Intrusion Human Health Risk Levels Residential ESLs. The following are the results:

- TPH-g, TPH-d, and TPH-mo concentrations were below the screening criteria and reporting limits; and
- No VOC concentration exceeded the screening criteria.

The groundwater analytical results are summarized in Table 4, and the laboratory reports are provided in Appendix B.

3.9.4 Soil Vapor Analytical Results

Concentrations detected in soil vapor were compared to RWQCB Residential Vapor Intrusion Human Health Risk Level Soil Gas ESLs. The results are summarized below:

- TPH-g was detected above its ESL of 20,000 µg/m^3 at boring locations RB-11 and RB-12 with concentrations of 39,000 and 42,000 µg/m^3 respectively.
- Benzene was detected above its ESL of 3.2 µg/m^3 at boring locations RB-12, RB-13, RB-15, and RB-20 with concentrations of 96, 3.4, 3.9, and 4.3 µg/m^3 respectively.
- Tetrachloroethene was detected above its ESL of 15 µg/m^3 at boring location RB-12 with a concentration of 29 µg/m^3. No other VOCs exceeded the screening criteria.
- The soil vapor sample collected at boring location RB-16 analytical reporting limit exceeded the ESL for Benzene, Methylene Chloride, and PCE.

Soil vapor analytical results are summarized in Table 3, and the laboratory reports are provided in Appendix B.

3.10. Round Two BER Investigation Conclusions and Recommendations

Based on the soil analytical results, arsenic concentrations at 1 foot bgs are below the maximum background concentration of 11 mg/kg. All other soil concentrations are below applicable Residential ESLs (or the maximum background concentration) and state and federal hazardous waste criteria.

3San Francisco Bay Area Regional Water Quality Control Board Residential Environmental Screening Levels (ESLs) for Soil updated February 2019, REV 2.

4Bradford, G.R., et. al., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Sciences Special Report, Division of Agriculture and Natural Resources, University of California.

Based on Round One and Round Two BER soil analytical results, Roux concludes that very minor exceedances of arsenic concentrations in RB-1 (13 mg/kg) and RB-4 (13 mg/kg) at 1 foot bgs. Additional soil samples collected and analyzed from various of depths and areas throughout the Site yielded arsenic concentrations well below the background value (11 mg/kg).

Groundwater analytical results indicated that there have not been impacts to groundwater at the Site, therefore, Roux has concluded that the detections in soil vapors are due to low residual concentrations of VOCs in shallow soil.

Soil vapor analytical concentrations at boring locations RB-11, RB-12, RB-13, RB-15, and RB-20 exceed the residential ESLs for one or more of the following analytes: TPH-g, Benzene, and PCE. The results from location RB-16 had reporting limits that exceeded the ESL for multiple analytes.

Based on these findings, Roux does not recommend additional investigation of shallow soil and groundwater.

Additional soil vapor sampling was recommended in the vicinity west of RB-11 and north of RB-12 to delineate the extent of the soil vapor impacts. It was also recommended to collect another soil vapor sample adjacent to boring location RB-16 to determine if the concentrations are below ESLs in that location.

4. Round Three BER Investigation

During Roux's November 2020 Round Two BER Investigation, soil vapor analytical results indicated TPH-g exceeded the RWQCB Residential ESL of 20,000 µg/m^3 at a maximum concentration of 42,000 µg/m^3. In addition, benzene and PCE also exceeded the ESLs detected at maximum concentration of 96 and 29 µg/m^3, respectively.

Based on these findings, Roux performed a Data Gap Investigation to address the soil vapor data gap. The following locations and sample IDs were selected to collect additional soil vapor data to close the data gap identified from the Additional Investigation.

- RB-21 adjacent to former RB-1 and RB-12.
- RB-22 and RB-23 evenly spaced out between the distance from RB-21 and Building 2400.
- RB-24 within the landscape area on Norris Canyon Road.
- RB-25 at 5 feet bgs adjacent to RB-16.
- RB-26 at 5 feet bgs northwest of the Property.

4.1 Pre-Field Activities

Prior to intrusive work at the Property, Roux updated the Property-specific Health and Safety Plan, a drilling permit and encroachment permit was obtained from Contra Costa County and City of San Ramon, respectively. The drilling and encroachment permits are included in Appendix A. Roux marked the proposed boring locations with white paint and notified Underground Service Alert of intended subsurface work at least two business days prior to drilling. A private geophysical services and utility locating firm, GPRS was retained to assess the location and depth of utilities near each boring location at the Property.

4.2 Boring Advancement

On December 17 and 18, 2020, under the direction of Roux, ECA of Aptos, California (C-57 License # 695970) advanced six soil borings (RB-21 through RB-26) in order to collect soil vapor samples. Each of the soil borings were then converted into 5, 10, 13, and/or 15-foot temporary soil vapor probes. Each location was advanced using a hand auger and a direct push Geoprobe, and each boring was logged to record lithological differences in accordance with the Unified Soil Classification System. Soils were field screened with a photoionization detector (PID). Boring logs are provided in Appendix C.

4.3 Temporary Soil Vapor Probe Installation

To further delineate the soil vapor impacts on Site, six soil borings were advanced between 5 and 15 feet bgs and converted into temporary soil vapor probes. The IDs and depths are listed below and on Figure 3.

- RB-21 at 10 and 13 feet bgs;
- RB-22 and RB-23 at 5, 10, and 15 feet bgs;
- RB-24 at 5 and 15 feet bgs; and
- RB-25 and RB-26 at 5 feet bgs.

Each temporary soil vapor probe was installed as follows: A 12-inch sand pack was placed from 4 to 5 feet, bgs, 9 to 10 feet bgs, or 14 to 15 feet bgs for the 5, 10, 13, and 15-foot soil vapor probe respectively. The sand pack was placed surrounding the probe tip (at 4.5, 9.5, 12.5, and 14.5 feet bgs respectively) midway in the sand pack to minimize the disruption of airflow to the sampling tip. Twelve inches of dry granular bentonite was placed above the sand from 3 to 4 feet bgs, 8 to 9 feet bgs, 11 to 12 feet bgs, or 13 to 14 feet bgs respectively. A final layer of hydrated bentonite was installed immediately above the dry granular bentonite

to the surface. The tubing for each well was capped with a gas-tight fitting. The soil vapor probes were allowed 48 hours for equilibration prior to sampling.

4.4 Soil Vapor Sampling

On December 18 and 21, 2020, a soil vapor sample was collected from each of the soil vapor probes (RB-21-10, RB-21-13, RB-22-5, RB-22-10, RB-22-15, RB-23-5, RB-23-10, RB-23-15, RB-24-5, RB-24-15, RB-25-5 and RB-26-5) at least 48 hours following soil vapor probe installation. The samples were collected in laboratory-certified Summa canisters. Prior to sample collection, approximately three well volumes were purged from the sample tubing using a "purge" Summa canister or syringe. Purging activities were conducted at the same flow rate used for soil vapor sample collection (approximately 150 milliliters per minute). During sampling, each Summa canister was enclosed in a shroud and helium introduced into the shroud at a minimum of 20 percent (%) by volume, to be used as a tracer gas to confirm the presence or absence of a significant leak during sampling. Soil vapor log are included in Appendix J. The collected soil vapor samples were analyzed for the following:

- TPH-g and VOCs by EPA Method TO-15;
- Oxygen and helium (as a tracer gas) content by the American Society for Testing Materials (ASTM) D-1946.

All soil vapor samples were appropriately sealed, labelled, and transported by courier under chain-of-custody to Eurofins Air Toxics of Folsom, California, a California-certified laboratory (Eurofins).

4.5 Boring Abandonment

Following sampling activities, all borings were backfilled with grout to just below the surface and patched at the surface to match the surrounding ground cover. Temporary soil vapor probes were abandoned by completely removing the tubing, removing some of the hydrated bentonite, backfilling the void space with neat cement grout, and patching the surface to match the surrounding ground cover.

4.6 Investigation-Derived Waste (IDW)

The same 55-gallon steel drum generated from the previous investigations was used to place the soil cuttings generated during the Data Gap Investigation. One additional drum was generated onsite for soil cuttings during the Data Gap Investigation event. The drum was properly sealed and labelled at the end of investigation activities. Pending waste profiling, the drum will be removed from the Property and transported to an appropriate disposal facility.

4.7 Results

Soil vapor analytical results are presented in Table 3. The complete analytical laboratory reports are included in Appendix B.

4.7.1 Lithologic Results

Based on the results on this investigation, the Property is generally underlain by silt with varying amounts of clay, sand, and gravel to the total explored depth of 15.5 feet bgs. Groundwater was encountered at RB-21 at approximately 15.5 feet bgs during this investigation.

4.7.2 Soil Vapor Analytical Results

Concentrations detected in soil vapor were compared to RWQCB Residential Vapor Intrusion Human Health Risk Level Soil Gas ESLs. The results are summarized below:

- TPH-g was detected above its ESL of 20,000 µg/m^3 at boring location RB-22 at 5 feet bgs with a concentration of 24,000 µg/m^3;

- Benzene was detected above its ESL of 3.2 µg/m^3 at boring locations RB-21 at 10 and 13 feet bgs, RB-22 at 5 and 10 feet bgs, and RB-26 at 5 feet bgs with concentrations of 5.5, 10, 89, 6.2, and 15 µg/m^3, respectively.
- No other VOCs exceeded the screening criteria.

Soil vapor analytical results are summarized in Table 3. Figure 3 also includes the soil vapor locations and summary of the analytical results. The laboratory analytical reports are provided in Appendix B.

4.8. Round Three BER Investigation Conclusions and Recommendations

Soil vapor samples collected from RB-22 at 5 feet bgs exceeds the TPH-g residential ESL. Soil vapor samples collected from RB-21 (both at 10 and 13 feet bgs), RB-22 (both at 5 and 10 feet bgs), and RB-25 (5 feet bgs) also exceed the benzene residential ESL. The third round of BER Investigation conducted by Roux was sufficient to conclude the soil vapor delineation on Site.

Overall, the soil, groundwater, and soil vapor concentrations have been sufficiently delineated throughout the three rounds of BER investigations. Roux does not recommend additional environmental investigation for the Site.

5. Mitigation Recommendations

Roux has completed the BER Investigations. Overall, the investigation results and analytical data were compared and evaluated using the Residential ESLs. Based on the evaluation of the soil vapor concentrations of the contaminants discovered on Site, potential mitigation measures for the proposed residential property redevelopment may be applicable. In the event when mitigation measures are necessary for future site redevelopment, soil aeration and soil excavation methods may be considered for the Site. Below is a brief description of these two mitigation approaches.

5.1 Soil Aeration

Soil aeration could be utilized as the ex-situ remediation techniques to address the soil impacted with petroleum hydrocarbons and VOCs. This technique consists of spreading excavated soil on the ground in an approximately 18-inch thick layer. Mixing of the soil (tilling) will be performed regularly to maintain aerobic conditions (presence of oxygen). The soil will be thoroughly tilled using equipment such as a Terex RS600 Reclaimer/Stabilizer.

A total of six tilling passes will be performed. During the tilling operation, air quality monitoring will be performed 3 inches above the soils and also in the breathing zone with a PID. Dust control measures will be conducted, and dust monitoring will be performed in the perimeter of the Site boundary. In addition, stormwater Best Management Practices (BMPs) shall be implemented, if applicable. Soil sampling will be performed (one sample per 500 CY) at the end of tilling operations prior to backfill. Soil vapor samples will also be collected from compacted backfill to confirm no soil vapor impacts in the soils.

5.2 Soil Excavation

Soil excavation could be utilized to address the soil impacted with arsenic. The technique consists of excavating the approximated area and depth of the identified location. Soil will be removed using an excavator, removed soil will be stockpiled (if pending soil profile analysis) or directed loaded to a landfill facility. Dust control measures will be conducted, and dust monitoring will be performed in the perimeter of the Site boundary. In addition, stormwater Best Management Practices (BMPs) shall be implemented, if applicable.

6. Closing

Roux appreciates working with the Client to complete this BER Investigation Report. If you have any questions or comments regarding this report, please do not hesitate to contact Wayne Hung at whung@rouxinc.com or Angela Liang Cutting at acutting@rouxinc.com.

Sincerely,

ROUX ASSOCIATES, INC.

Wayne Hung, P.E.
Senior Engineer

Angela Liang Cutting, Ph.D., P.E.
Principal Engineer

TABLES

Table 1
Pesticides in Soil Analytical Data
2400-2440 Camino Ramon, San Ramon, California

Sample ID	Sample Date	Depth (ft bgs)	Organochlorinated Pesticides										
			p,p-DDD	p,p-DDE	p,p-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Methoxychlor	All Other Pesticides	STLC (p,p-DDE)	STLC (p,p-DDT)
Units			Milligrams per Kilogram (mg/kg)									Milligrams per Liter (mg/L)	
RB-1-1	9/16/2020	1	<0.0010	0.00072 J	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND	--	--
RB-2-1	9/16/2020	1	0.00069 J	0.018	0.0013	<0.0010	0.00019 J	<0.0010	0.00036 J	<0.0010	ND	--	--
RB-3-1	9/16/2020	1	0.0059 P	0.24 P	0.11	0.00038 J	<0.0020	<0.0020	0.0022	0.0026 P	ND	<0.000025	<0.000025
RB-4-1	9/16/2020	1	0.0074	0.93	0.12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND	0.000025 P	<0.000025
RB-5-1	9/16/2020	1	0.0086	0.22	0.0021 P	<0.0010	<0.0010	0.00042 J	0.0086	<0.0010	ND	<0.000025	--
RB-6-1	9/16/2020	1	0.0026	0.090	0.0059	<0.0010	0.00028 J	0.00036 JP	0.00030 JP	<0.0010	ND	--	--
RB-7-1	9/16/2020	1	0.00074 J	0.030	0.0028	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND	--	--
RB-8-1	9/16/2020	1	0.0027	0.094	0.018	0.00078 JP	<0.0020	<0.0020	0.0022 P	<0.0020	ND	--	--
RB-9-1	9/16/2020	1	0.0044 J	0.11	0.026	<0.010	<0.010	<0.010	<0.010	<0.010	ND	0.000025 H	--
RB-10-1	9/16/2020	1	<0.0010	0.00057 JP	0.00025 JP	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND	--	--
Direct Exposure Residential ESLs [1]			*2.7*	*1.8*	*1.9*	*0.037*	--	--	--	*350*	--	--	--
STLC Limit for California Hazardous Waste Criteria			--	--	--	--	--	--	--	--	--	*0.1*	*0.1*

Notes:
Organochlorinated pesticides analyzed by United States Environmental Protection Agency (EPA) Methods 8081A.

<X.X signifies analyte was below the indicated laboratory reporting limit.
-- : Not analyzed or not applicable.
ft bgs: feet below ground surface.
ND: Not detected, see laboratory report for full results.
STLC: Soluble Threshold Limit Concentration.

H: Samples were analyzed out of hold time.
J: Result is less than the reporting limit but greater than the method detection limit. The reported concentration is an estimated value.
P: Agreement between quantitative confirmation results exceed method recommended limits.

[1]San Francisco Bay Area Regional Water Quality Control Board Residential and Commercial Environmental Screening Levels (ESLs) for Soil updated February 2019, REV 2.

Table 2
Metals, VOCs, and TPH Products in Soil Analytical Data
2400-2440 Camino Ramon, San Ramon, California

Sample ID	Sample Date	Depth (ft bgs)	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	STLC - Chromium	All VOCS & TPH-g / d / mo
Units			Milligrams per Kilogram (mg/kg)																	mg/L	mg/kg
RB-1-1	9/16/2020	1	**0.27 J**	**5.6**	**190**	**0.52**	**0.14 J**	**48**	**8.5**	**14 B**	**5.6**	**0.049 J**	**0.22 J**	**49**	**0.84**	<0.50	**0.093 J**	**51**	**45**	--	--
RB-2-1	9/16/2020	1	**0.20 J**	**4.6**	**170**	**0.42 J**	**0.13 J**	**41**	**7.0**	**15 B**	**7.2**	<0.050	**0.25 J**	**42**	**0.62**	<0.50	**0.085 J**	**42**	**40**	--	--
RB-3-1	9/16/2020	1	**0.21 J**	**9.0**	**170**	**0.43 J**	**0.15 J**	**43**	**7.8**	**18 B**	**20**	**0.049 J**	**0.26 J**	**42**	**0.63**	<0.50	**0.095 J**	**43**	**44**	--	--
RB-4-1	9/16/2020	1	**0.25 J**	**13**	**180**	**0.46 J**	**0.26 J**	**42**	**8.0**	**20 B**	**41**	<0.50	**0.30 J**	**39**	**0.85**	<0.50	**0.10 J**	**43**	**50**	--	--
RB-4-3	9/16/2020	3	--	**5.6**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB-5-1	9/16/2020	1	**0.21 J**	**7.7**	**170**	**0.40 J**	**0.20 J**	**44**	**8.0**	**22 B**	**17**	<0.50	**0.34 J**	**49**	**0.80**	<0.50	**0.086 J**	**41**	**48**	--	--
RB-6-1	9/16/2020	1	**0.18 J**	**7.1**	**180**	**0.40 J**	**0.16 J**	**40**	**7.1**	**14 B**	**10**	<0.50	**0.30 J**	**39**	**0.62**	<0.50	**0.091 J**	**40**	**43**	--	--
RB-7-1	9/16/2020	1	**0.19 J**	**4.7**	**160**	**0.47 J**	**0.13 J**	**40**	**6.2**	**15 B**	**12**	<0.050	**0.24 J**	**37**	**0.63**	<0.50	**0.10 J**	**38**	**42**	--	--
RB-8-1	9/16/2020	1	**0.24 J**	**5.7**	**160**	**0.36 J**	**0.13 J**	**45**	**8.7**	**21 B**	**9.1**	<0.050	**0.34 J**	**53**	**0.78**	<0.50	**0.085 J**	**43**	**46**	--	--
RB-9-1	9/16/2020	1	**0.36 J**	**13**	**190**	**0.47 J**	**0.18 J**	**71**	**9.6**	**29 B**	**17**	**0.043 J**	**0.44**	**56**	**0.81**	<0.50	**0.10 J**	**45**	**51**	**0.48**	--
RB-9-3	9/16/2020	3	--	**7.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RB-10-1	9/16/2020	1	**0.22 J**	**4.9**	**200**	**0.52**	**0.24 J**	**45**	**8.2**	**14 B**	**6.0**	**0.034 J**	**0.23 J**	**43**	**0.32 J**	<0.50	**0.14 J**	**47**	**44**	--	--
RB-16-1	10/29/2020	1	<0.50	**6.8**	**180**	**0.52**	**0.24 J**	**52**	**9.1**	**17**	**10.0**	**0.040 J**	**0.29 J**	**43**	**0.46 J**	<0.50	**0.12 J**	**49**	**50**	--	--
RB-17-1	10/30/2020	1	**0.16 J**	**8**	**200**	**0.51**	**0.28 J**	**49**	**9.4**	**16**	**10.0**	<0.050	**0.35 J**	**44**	**0.49 J**	**0.20 J**	**0.12 J**	**46**	**49**	--	--
RB-18-1	10/30/2020	1	<0.50	**6.9**	**220**	**0.43 J**	**0.26 J**	**46**	**9.5**	**16**	**7.0**	<0.050	**0.30 J**	**48**	**0.34 J**	**0.15 J**	**0.10 J**	**42**	**47**	--	--
RB-18-3	10/30/2020	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
RB-19-1	10/30/2020	1	< 0.50	**5.6**	**170**	**0.43 J**	**0.28 J**	**44**	**7.9**	**13**	**9.1**	**0.032 J**	**0.22 J**	**39**	**0.36 J**	**0.14 J**	**0.1 J**	**43**	**40**	--	--
Maximum Background Concentration [1]			--	*11*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Direct Exposure Residential ESLs [2]			*11*	*0.067*	*15,000*	*16*	*78*	--	*23*	*3,100*	*80*	*13*	*390*	*820*	*390*	*390*	*0.78*	*390*	*23,000*	--	--
Direct Exposure Commercial ESLs [2]			*160*	*0.31*	*220,000*	*230*	*1,100*	--	*350*	*47,000*	*320*	*190*	*5,800*	*11,000*	*5,800*	*5,800*	*12*	*5,800*	*350,000*	--	--
STLC Limit for California Hazardous Waste			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	5

Notes and Acronyms:

Metals analyzed by United States Environmental Protection Agency (EPA) Method 6020.

Highlighted yellow indicates concentration exceeds the Residential ESL or maximum background concentration, as applicable.
BOLD inducates detection at or above the laboratory reporting limit.
<X.X signifies analyte was below the indicated laboratory reporting limit.
-- : no relevant ESL or Maximum Background Concentration.
ft bgs: feet below ground surface.
mg/L: Milligrams per liter.
STLC: Soluble Threshold Limit Concentration.

B: Analyte detected in the associated method blank and in the sample.
J: Result is less than the reporting limit but greater than the method detection limit. The reported concentration is an estimated value.

[1]Bradford, G.R., et. al., 1996, Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Sciences Special Report, Division of Agriculture and Natural Resources, University of California.
& Duverge, 2011, Arsenic Screening Level Based on Background Arsenic Concentrations (Establishing Background Arsenic Concentrations in Soil of the Urbanized San Francisco Bay Region)
[2]San Francisco Bay Area Regional Water Quality Control Board Residential and Commercial Environmental Screening Levels (ESLs) for Soil updated February 2019, REV 2.

Table 3
Soil Vapor Analytical Data
2400-2440 Camino Ramon, San Ramon, California

Sample ID	Sample Date	Depth (ft bgs)	Fixed Gas Analysis		TPH	Volatile Organic Compounds (VOCs)																						
			Helium	Oxygen	Gasoline (TPH-g)	Acetone	Benzene	1,3-Butadiene	2-Butanone (Methyl Ethyl Ketone)	Carbon Disulfide	Isopropanol (IPA)	Cyclohexane	Ethanol	Ethyl Acetate	Ethylbenzene	4-Ethyltoluene	Freon 12	n-Heptane	n-Hexane	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Tetrachloroethene (PCE)	Toluene	1,2,4-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl Acetate	m,p-Xylene	o-Xylene	All Other VOCs
Units			Mol %		Micrograms per Cubic Meter (ug/m^3)																								
RB-1-SV	10/7/2020	5	<0.15	15	**43,000**	<140	<19*	<13	<88	<19	<74	<21	NA	<54	<26	<29	<30	<25	<21	<25	<52*	<41*	**37**	<29	NA	<110	<52	<26	ND
RB-4-SV	10/7/2020	5	0.89	12	**6,100**	**94**	**14**	<0.66	<4.4	**3.9**	<3.7	**21.0**	NA	**71**	**4.1**	**1.6**	**2.1**	<1.2	**57**	**18**	**21**	<2	**20**	**3.8**	NA	**25**	**6.3**	**2.3**	ND
RB-10-SV	10/7/2020	5	<0.30	15	**2,200**	**38**	<0.96	<0.66	<4.4	<0.93	<3.7	**14**	NA	<2.7	**2.3**	<1.5	**2**	<1.2	**3**	**4.8**	<2.6	<2	**1.6**	**3**	NA	<5.3	**3**	**1.4**	ND
RB-11-SV	11/2/2020	5	<0.20	12	**39,000**	**42**	<1.3	<0.88	<5.9	**5.1**	<4.9	<1.4	NA	<2.9	**2.2**	<2	**2.1**	<1.6	**1.7**	<1.6	**9.7**	**7**	**9**	**2.1**	NA	<7	**7.2**	**3.6**	ND
RB-12-SV	11/2/2020	5	<0.20	<0.20	**42,000**	<76	**96**	<7.1	<47	**140**	<39	**240**	NA	<23	**21**	<16	<16	**510**	**750**	<13	<28	**29**	**130**	**19**	NA	<56	**68**	**22**	ND
RB-13-SV	11/2/2020	5	<0.20	2.6	**1,700**	**31**	**3.4**	<0.88	<5.9	**8.8**	<4.9	**1.7**	NA	<2.9	**3.1**	<2	<2	**7.6**	**3.7**	<1.6	**4.6**	**6.4**	**16**	**3.4**	NA	<7	**9.2**	**3.4**	ND
RB-14-SV	11/2/2020	5	<0.20	14	**970**	<9.5	<1.3	<0.88	<5.9	**5.8**	<4.9	<1.4	NA	<2.9	<1.7	<2	<2	**2.7**	**1.6**	<1.6	**4.4**	**3.8**	**8.4**	<2	NA	<7	**4.4**	<1.7	ND
RB-15-SV	11/2/2020	5	<0.20	12	**2,500**	**11**	**3.9**	<0.88	<5.9	**3.8**	<4.9	<1.4	NA	<2.9	**4.9**	<2	**2.3**	**2.2**	**1.5**	<1.6	<3.5	**3.6**	**49**	<2	NA	<7	**12**	**4.3**	ND
RB-16-SV	11/2/2020	5	<0.20	3.1	**1,500**	<190	<26*	<18	<120	<25	<98	<28	NA	<58	<35	<39	<40	<33	<28	<33	<69*	<54*	<30	<39	NA	<140	**160**	<35	ND
RB-17-SV	11/2/2020	5	<0.20	8.6	**6,800**	**27**	<1.3	<0.88	<5.9	**3.9**	**5.8**	<1.4	NA	<2.9	<1.7	<2	<2	<1.6	<1.4	<1.6	<3.5	**2.7**	**15**	<2	NA	<7	<3.5	<1.7	ND
RB-20-SV	11/2/2020	5	<0.20	8.8	**3,800**	**18**	**4.3**	<0.88	<5.9	**8**	<4.9	<1.4	NA	<2.9	**4.6**	<2	**2.1**	**8.2**	**4.4**	<1.6	**3.8**	**9.8**	**24**	**2.7**	NA	<7	**13**	**5.1**	ND
RB-21-10	12/18/2020	10	<0.12	14	**1,500**	<28	**5.5**	<2.6	<14	<14	**16**	<4.0	<22	NA	<5.0	<5.7	<5.7	**9.4**	**10**	<4.8	<40*	<7.9	**4.8**	<5.7	**38**	NA	<5.0	<5.0	ND
RB-21-13	12/18/2020	13	<0.12	12	**1,900**	**45**	**10**	<2.6	<14	<15	<12	<4.1	<22	NA	<5.2	<5.9	<5.9	**12**	**12**	<4.9	<42*	<8.1	**15**	<5.9	**30**	NA	**8.9**	<5.2	ND
RB-22-5	12/21/2020	5	<0.12	6.9	**24,000**	**110**	**89**	**6.6**	**62**	**89**	**17**	**190**	<22	NA	**9.5**	<5.9	<5.9	**230**	**620**	<4.9	<42*	<8.1	**250**	<5.9	**860**	NA	**21**	**5.9**	ND
RB-22-10	12/21/2020	10	<0.12	4.6	**1,200**	<28	**6.2**	<2.6	**18**	<15	<12	<4.1	<22	NA	<5.2	<5.8	<5.9	**8.5**	**5.1**	<4.9	<41*	<8.1	**65**	<5.8	**14**	NA	<5.2	<5.2	ND
RB-22-15	12/21/2020	15	<0.12	4.7	**940**	<29	<3.8*	<2.7	<14	<15	**12**	**5.0**	<23	NA	<5.2	<5.9	<6.0	<4.9	**13**	<4.9	<42*	<8.2	<4.5	<5.9	**16**	NA	<5.2	<5.2	ND
RB-23-5	12/21/2020	5	<0.12	10	<490	<29	<3.9*	<2.7	<14	<15	**23**	<4.2	<23	NA	<5.2	<5.9	<6.0	<5.0	<4.3	<5.0	<42*	<8.2	**8.7**	<5.9	<5.6	NA	<5.2	<5.2	ND
RB-23-10	12/21/2020	10	<0.12	8.9	**1,500**	**39**	<3.8*	<2.7	**58**	<15	<12	<4.1	<23	NA	<5.2	<5.9	<6.0	<4.9	<4.2	<4.9	<42*	<8.2	**140**	<5.9	<5.6	NA	**6.4**	<5.2	ND
RB-23-15	12/21/2020	15	<0.13	9.4	**570**	<30	<4.0*	<2.8	<15	<16	**34**	<4.4	**200**	NA	<5.5	<6.2	<6.3	<5.2	<4.5	<5.2	<44*	<8.6	**14**	<6.2	<5.9	NA	<5.5	<5.5	ND
RB-24-5	12/21/2020	5	<0.12	17	<470	<28	<3.7*	<2.6	<14	<14	**83**	<4.0	**820**	NA	<5.0	<5.7	<5.7	<4.8	<4.1	<4.8	<40*	<7.9	<4.4	<5.7	<5.4	NA	<5.0	<5.0	ND
RB-24-15	12/21/2020	15	<0.12	10	<500	<29	<3.9*	<2.7	<14	<15	<12	<4.2	<23	NA	<5.3	<6.0	<6.0	<5.0	<4.3	<5.0	<42*	<8.3	<4.6	<6.0	<5.7	NA	<5.3	<5.3	ND
RB-25-5	12/21/2020	5	<0.12	3.2	**650**	<28	<3.8*	<2.6	<14	<15	<12	<4.1	<22	NA	<5.1	<5.8	<5.8	<4.8	<4.2	<4.8	<41*	<8.0	<4.4	<5.8	**7.0**	NA	**6.0**	**5.1**	ND
RB-26-5	12/21/2020	5	<0.12	10	**1,900**	<28	**15**	<2.6	<14	<14	**17**	**13**	<22	NA	<5.0	<5.7	<5.7	**29**	**86**	<4.8	<40*	<7.9	**33**	<5.7	**130**	NA	<5.0	<5.0	ND
Vapor Intrusion Residential ESLs [1]			--	--	*20,000*	*1,100,000*	*3.2*	--	--	--	--	--	--	--	*37*	--	--	--	--	--	*34*	*15*	*10,000*	--	--	--	--	--	--

Notes:

Highlighted yellow indicates detection or reporting limit exceeds the Residential ESL.

BOLD inducates detection at or above the laboratory reporting limit.

VOCs analyzed United States Environmental Protection Agency (EPA) Method TO-15.

TPH-g analyzed by EPA Method TO-3M.

Oxygen and Helium analyzed by ASTM D-1946.

<X.X signifies analyte was below the indicated laboratory reporting limit.

-- : no relevant ESL available.

ft bgs: feet below ground surface.

Mol %= Mole Percent.

NA: Not Analyzed

ND: Not detected above laboratory reporting limit, see laboratory report for full results.

TPH: Total petroleum hydrocarbons.

*: Reporting limit exceeds the residential ESL.

[1]San Francisco Bay Area Regional Water Quality Control Board Residential and Commercial Environmental Screening Levels (ESLs) for Subslab/Soil Gas updated February 2019, REV 2.

Table 4
VOCs and TPH Products in Groundwater Analytical Data
2400-2440 Camino Ramon, San Ramon, California

Sample ID	Sample Date	Depth (ft bgs)	Benzene	TPH-g	TPH-d	TPH - mo	All Other VOCS
Units			Micrograms per Liter (µg/L)				
RB-12-GW	10/29/2020	24	< 0.50	< 50	< 50	< 250	ND
RB-15-GW	10/29/2020	26	**0.054 J**	< 50	< 50	< 250	ND
Residential ESLs [1]			*0.421*	--	--	--	--
Commercial ESLs [1]			*1.84*	--	--	--	--
Direct Exposure MCL Priority [1]			*1.00*	*759*	*199*	--	--

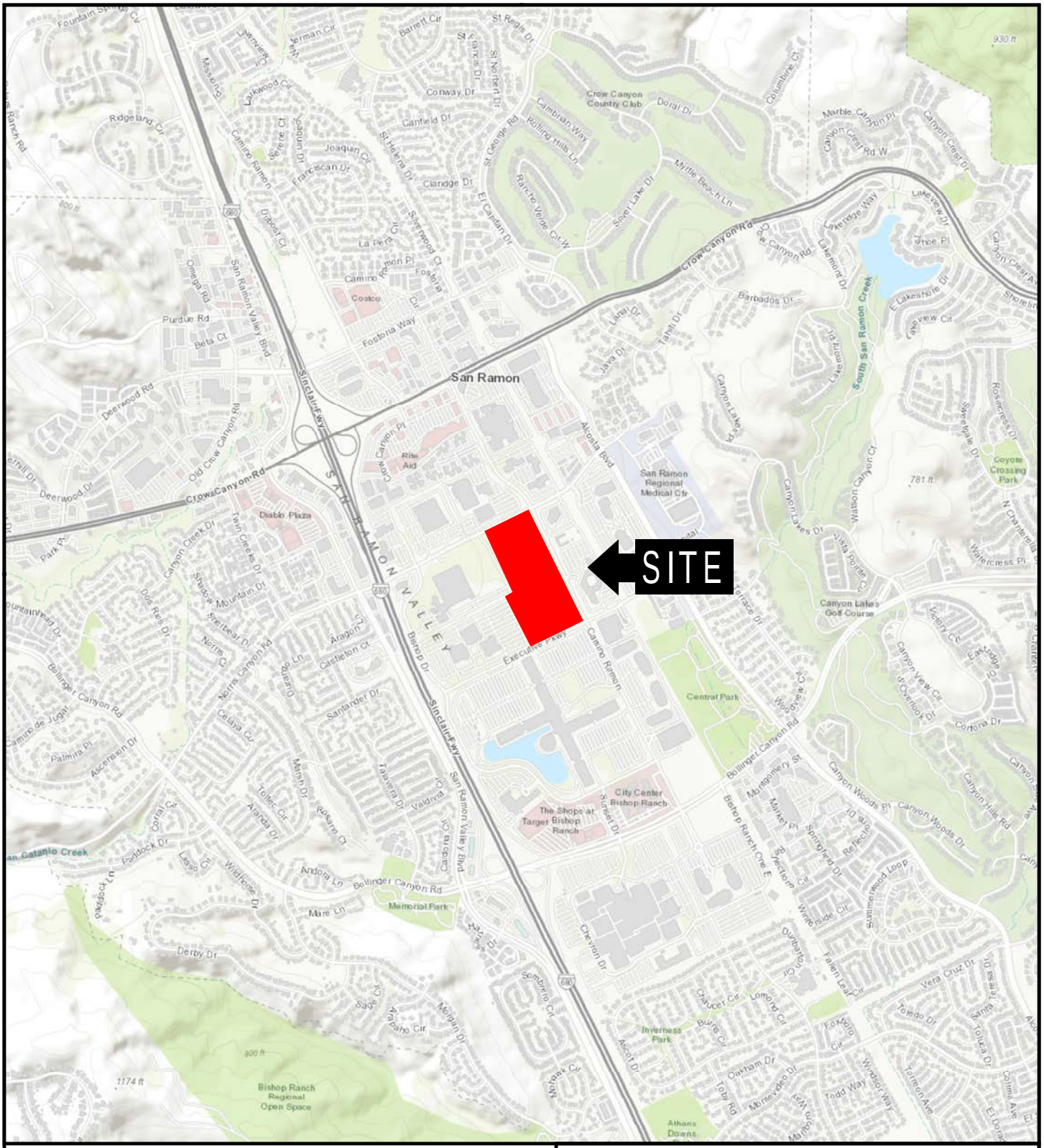
BOLD inducates detection at or above the laboratory reporting limit.
VOCs analyzed United States Environmental Protection Agency (EPA) Method 8260.
TPH-g analyzed by EPA Method 8260.
TPH-d/mo analyzed by EPA Method 8015.

<X.X signifies analyte was below the indicated laboratory reporting limit.
-- : no relevant ESL available.
ft bgs: feet below ground surface.
ND: Not detected above laboratory reporting limit, see laboratory report for full results.
TPH: Total petroleum hydrocarbons.

[1]San Francisco Bay Area Regional Water Quality Control Board Residential and Commercial Environmental Screening Levels (ESLs) for Subslab/Soil Gas updated February 2019, REV 2.

FIGURES

1. Site Location Map
2. Site Plan with Boring Locations
3. Soil Vapor Sampling Results



QUADRANGLE LOCATION

N

1,000 0 1,000'

Title:

SITE LOCATION MAP

BISHOP RANCH 6, 2400-2440 CAMINO RAMON
SAN RAMON, CALIFORNIA

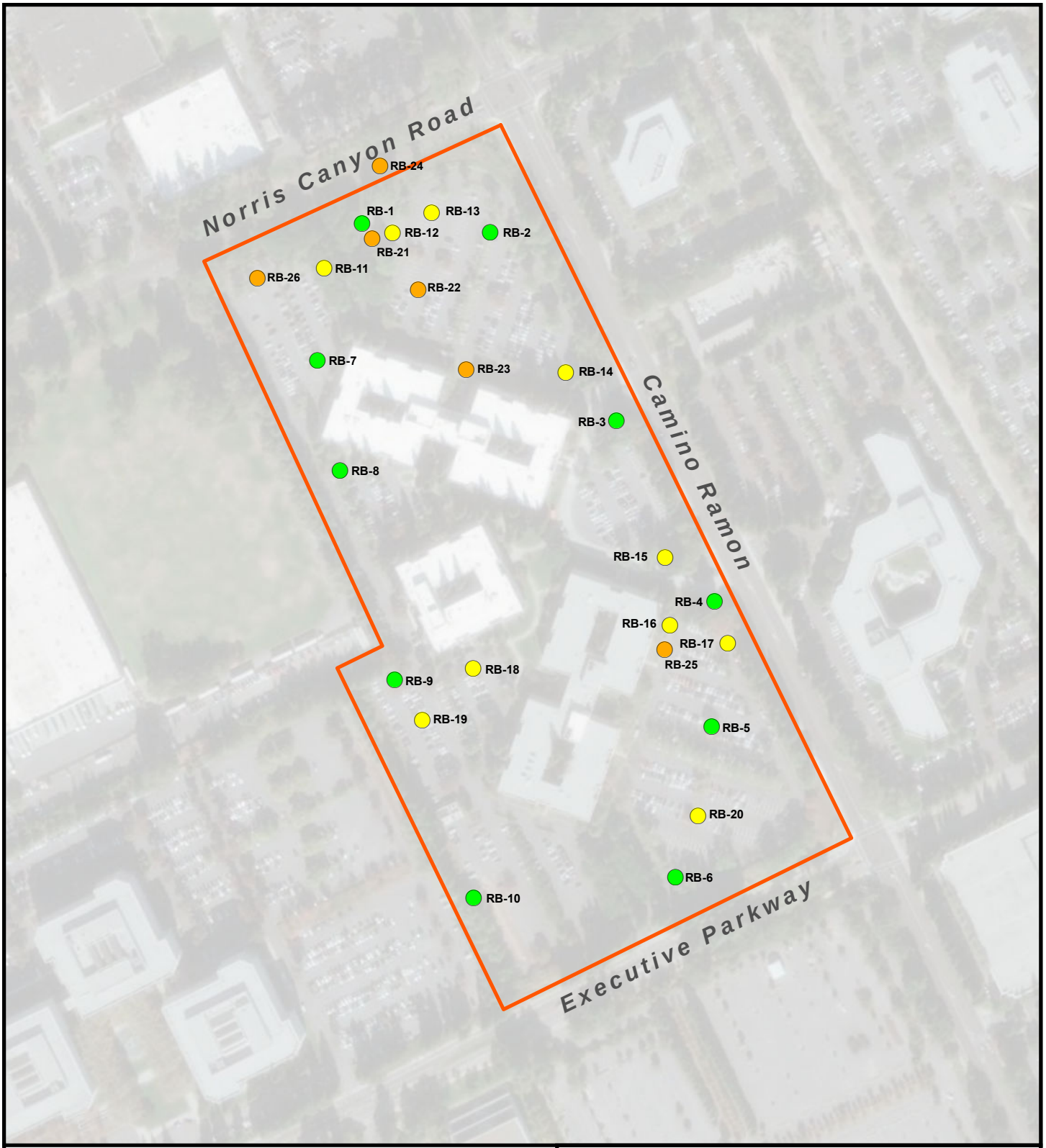
Prepared for:

SUMMERHILL HOMES

ROUX

Compiled by: L.M.	Date: 09/16/20	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: K.G.	Project: 2965.0014S	
File: 2965.0014S100.01.mxd		

S:\GIS\PROJECTS\2965\0014S\100\2965.0014S100.01.MXD



LEGEND

- FOCUSED PHASE II SOIL BORING LOCATIONS (SEPTEMBER 2020)
- ADDITIONAL PHASE II SOIL BORING LOCATIONS (OCTOBER AND NOVEMBER 2020)
- DATA GAP PHASE II SOIL BORING LOCATIONS (DECEMBER 2020)
- SITE BOUNDARY

N

300 0 300'

Title:

SITE PLAN WITH BORING LOCATIONS

BISHOP RANCH 6, 2400-2440 CAMINO RAMON
SAN RAMON, CALIFORNIA

Prepared for:

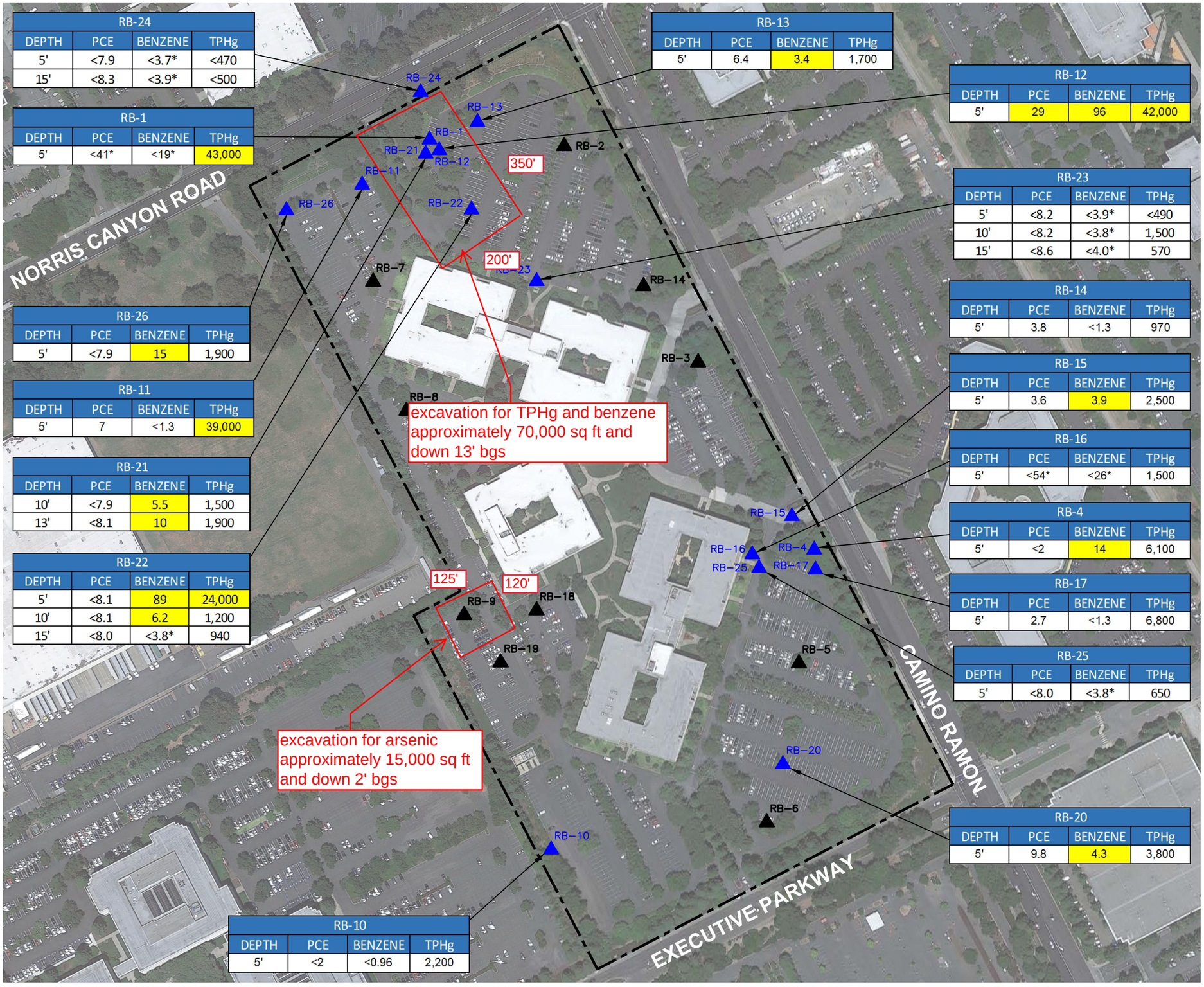
SUMMERHILL HOMES

ROUX

Compiled by: K.G.	Date: 01/14/21
Prepared by: K.G.	Scale: AS SHOWN
Project Mgr: W.H.	Project: 2965.0014S000
File: 2965.0014S100.02.mxd	

FIGURE 2

\\SRVOLCAFP1\OAKLAND SHARED\GIS\PROJECTS\2965\0014S\100\2965.0014S100.02.MXD



RB-24			
DEPTH	PCE	BENZENE	TPHg
5'	<7.9	<3.7*	<470
15'	<8.3	<3.9*	<500

RB-1			
DEPTH	PCE	BENZENE	TPHg
5'	<41*	<19*	43,000

RB-26			
DEPTH	PCE	BENZENE	TPHg
5'	<7.9	15	1,900

RB-11			
DEPTH	PCE	BENZENE	TPHg
5'	7	<1.3	39,000

RB-21			
DEPTH	PCE	BENZENE	TPHg
10'	<7.9	5.5	1,500
13'	<8.1	10	1,900

RB-22			
DEPTH	PCE	BENZENE	TPHg
5'	<8.1	89	24,000
10'	<8.1	6.2	1,200
15'	<8.0	<3.8*	940

RB-10			
DEPTH	PCE	BENZENE	TPHg
5'	<2	<0.96	2,200

RB-13			
DEPTH	PCE	BENZENE	TPHg
5'	6.4	3.4	1,700

RB-12			
DEPTH	PCE	BENZENE	TPHg
5'	29	96	42,000

RB-23			
DEPTH	PCE	BENZENE	TPHg
5'	<8.2	<3.9*	<490
10'	<8.2	<3.8*	1,500
15'	<8.6	<4.0*	570

RB-14			
DEPTH	PCE	BENZENE	TPHg
5'	3.8	<1.3	970

RB-15			
DEPTH	PCE	BENZENE	TPHg
5'	3.6	3.9	2,500

RB-16			
DEPTH	PCE	BENZENE	TPHg
5'	<54*	<26*	1,500

RB-4			
DEPTH	PCE	BENZENE	TPHg
5'	<2	14	6,100

RB-17			
DEPTH	PCE	BENZENE	TPHg
5'	2.7	<1.3	6,800

RB-25			
DEPTH	PCE	BENZENE	TPHg
5'	<8.0	<3.8*	650

RB-20			
DEPTH	PCE	BENZENE	TPHg
5'	9.8	4.3	3,800

LEGEND

- SITE BOUNDARY
- SOIL VAPOR SAMPLING LOCATION
- SOIL SAMPLING LOCATION

NOTES

1. ALL SOIL VAPOR CONCENTRATIONS IN ug/m^3.
2. <X.X INDICATES ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT.
3. SOIL VAPOR CONCENTRATIONS SCREENED AGAINST RWQCB RESIDENTIAL SCREENING LEVELS (ESLs):
   - PCE ESL: 15 ug/m^3
   - BENZENE ESL: 3.2 ug/m^3
   - TPHg ESL: 20,000 ug/m^3
4. HIGHLIGHTED YELLOW INDICATES DETECTION EXCEEDS ESL.
5. * INDICATES LABORATORY REPORTING LIMIT EXCEEDEDS ESL.

N

200' 0 200'

Title:

SOIL VAPOR SAMPLING RESULTS

BISHOP RANCH 6, 2400-2440 CAMINO RAMON
SAN RAMON, CALIFORNIA

Prepared for:

SUMMERHILL HOMES

ROUX

Compiled by: E.T.	Date: 06JAN2021	FIGURE
Prepared by: E.T.	Scale: AS SHOWN	3
Project Mgr: A.C.	Project: 2965.0014S000	
File: BR6 SAN RAMON.DWG		

\\SRVOLCAFP1\OAKLAND SHARED\CLIENTS\SUMMERHILL\119-BR6 SAN RAMON\8-DATA GAP INVESTIGATION\FIGURES\BR6 SAN RAMON.DWG

APPENDICES

A. Permits

B. Laboratory Reports

C. Boring Logs

APPENDIX A

Permits

CONTRA COSTA
ENVIRONMENTAL HEALTH DIVISION

2120 DIAMOND BLVD. SUITE 100. CONCORD. CA 94520-5704
(925) 608-5500 FAX (925) 608-5502 www.cchealth.org/eh/

Soil Boring Permit

Permit Number:	0027845	PE Number:	4302
Date Received:	October 16, 2020	WP Number:	WP0027845

Issued By: KAREEM MOHSEN Date Issued: 28-Oct-2020 Date Expires: 29-Apr-2021

Intended Use: SOIL BORING # of Borings or Well ID: 2 BORINGS

The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

Project Site Information

Site Address:	2400 CAMINO RAMON, SAN RAMON		
APN:	213 133 048	Lot/Parcel #:	
Subdivisioin #:		Minor Subdivision #:	

Driller/Consultant Information

Driller:	ENVIRONMENTAL CONTROL ASSOCIATES	Contact Person:	TIM TYLER
Phone #:	831-662-8178	E-Mail or Fax#:	tbtyler@sbcglobal.net
Consultant:	ROUX ASSOCIATES	Contact Person:	JOSH FOX
Phone #:	510-518-5615	E-Mail or Fax#:	JFOX@ROUXINC.COM

Legal Owner Information

Property Owner:	CLANCY INVESTMENT COMPANY, LLC	Responsible Party:	SAME AS OWNER
Owner Address:	2600 CAMINO RAMON	Address:	
City/State/Zip:	SAN RAMON, CA 94583	City/State/Zip:	
Phone #:	925-866-0100	Phone #:	Not Specified

Prior to any drilling construction or destruction of a well, requests for inspection appointment must be received 48 hours in advance (excluding weekends, holidays, and Mandatory County Furlough Days) by faxing your written request to (925) 608-5502 or e-mail to ehlu@.cchealth.org. Voice mail messages are not acceptable.

Well drillers must possess a valid C-57 license and must have on file a performance bond of $5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

Soil Boring Permit Conditions:

1. Soil Boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
2. _____
3. _____

Final Approval by:_____ Date: _____

CONTRA COSTA
ENVIRONMENTAL HEALTH DIVISION

2120 DIAMOND BLVD. SUITE 100. CONCORD. CA 94520-5704
(925) 608-5500 FAX (925) 608-5502 www.cchealth.org/eh/

Soil Boring Permit

Permit Number: 0027529 PE Number: 4302

Date Received: September 08, 2020 WP Number: WP0027529

Issued By: KAREEM MOHSEN Date Issued: 09-Sep-2020 Date Expires: 10-Mar-2021

Intended Use: SOIL VAPOR PROBE # of Borings or Well ID: 3 SVP'S

The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

Project Site Information

Site Address: 2400 CAMINO RAMON, SAN RAMON
APN: 213 133 048 Lot/Parcel #:
Subdivisioin #: Minor Subdivision #:

Driller/Consultant Information

Driller: ENVIRONMENTAL CONTROL ASSOCIATES Contact Person: TIM TYLER
Phone #: 831-662-8178 E-Mail or Fax#: tbtyler@sbcglobal.net
Consultant: ROUX ASSOCIATES Contact Person: JOSH FOX
Phone #: 510-518-5615 E-Mail or Fax#: JFOX@ROUXINC.COM

Legal Owner Information

Property Owner: CLANCY INVESTMENT COMPANY, LLC Responsible Party: SAME AS OWNER
Owner Address: 2600 CAMINO RAMON Address:
City/State/Zip: SAN RAMON, CA 94583 City/State/Zip:
Phone #: 925-866-0100 Phone #: Not Specified

Prior to any drilling construction or destruction of a well, requests for inspection appointment must be received 48 hours in advance (excluding weekends, holidays, and Mandatory County Furlough Days) by faxing your written request to (925) 608-5502 or e-mail to ehlu@.cchealth.org. Voice mail messages are not acceptable.

Well drillers must possess a valid C-57 license and must have on file a performance bond of $5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

Soil Boring Permit Conditions:

1. Soil Boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
2. _____
3. _____

Final Approval by:_____ Date: _____

CONTRA COSTA
ENVIRONMENTAL HEALTH DIVISION

2120 DIAMOND BLVD. SUITE 100. CONCORD. CA 94520-5704
(925) 608-5500 FAX (925) 608-5502 www.cchealth.org/eh/

Soil Boring Permit

Permit Number: 0027528 PE Number: 4301

Date Received: September 08, 2020 WP Number: WP0027528

Issued By: KAREEM MOHSEN Date Issued: 09-Sep-2020 Date Expires: 10-Mar-2021

Intended Use: SOIL BORING # of Borings or Well ID: 7 BORINGS

The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

Project Site Information

Site Address: 2400 CAMINO RAMON, SAN RAMON
APN: 213 133 048 Lot/Parcel #:
Subdivisioin #: Minor Subdivision #:

Driller/Consultant Information

Driller: ENVIRONMENTAL CONTROL ASSOCIATES Contact Person: TIM TYLER
Phone #: 831-662-8178 E-Mail or Fax#: tbtyler@sbcglobal.net
Consultant: ROUX ASSOCIATES Contact Person: JOSH FOX
Phone #: 510-518-5615 E-Mail or Fax#: JFOX@ROUXINC.COM

Legal Owner Information

Property Owner: CLANCY INVESTMENT COMPANY, LLC Responsible Party: SAME AS OWNER
Owner Address: 2600 CAMINO RAMON Address:
City/State/Zip: SAN RAMON, CA 94583 City/State/Zip:
Phone #: 925-866-0100 Phone #: Not Specified

Prior to any drilling construction or destruction of a well, requests for inspection appointment must be received 48 hours in advance (excluding weekends, holidays, and Mandatory County Furlough Days) by faxing your written request to (925) 608-5502 or e-mail to ehlu@.cchealth.org. Voice mail messages are not acceptable.

Well drillers must possess a valid C-57 license and must have on file a performance bond of $5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

Soil Boring Permit Conditions:

1. Soil Boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
2. _____
3. _____

Final Approval by:_____ Date: _____

CITY OF SAN RAMON

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2401 Crow Canyon Road
San Ramon, CA 94583
Inspection: 925-973-2692
Phone: 925-973-2670
Fax: 925-838-3937
Engineeringpermits@sanramon.ca.gov

PERMIT NUMBER: 568-20

VALID FROM 12/17/20 TO 12/18/20

Encroachment Permit

APPLICANT NAME: ○ Homeowner ☒ Contractor ○ Agent	PHONE	FAX
Roux Associates	415-967-6039	

ADDRESS: 555 12th Street, Suite 250, Oakland, CA 94607

STATE CONTRACTOR'S LIC. NO.	CITY BUSINESS LIC. NO.	SITE CONTACT PERSON	PHONE
HAZ A 964122	TBD/In Process	Wayne Hung	925-478-9698

LOCATION(S) OF WORK	START DATE	COMPLETION DATE
2400-2440 Camino Ramon, San Ramon, CA 94583	12/17/2020	12/18/2020

DESCRIPTION OF WORK ***(PLEASE ATTACH SKETCH OR DRAWING WHEN APPLICABLE):***

Advance one boring to 15' below ground surface in a landscape planter and install a temporary soil vapor well

$ 25,000	I HEREBY CERTIFY THAT ALL INFORMATION PROVIDED IN THIS APPLICATION IS TRUE AND COMPLETE AND I AGREE TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ON THE FOLLOWING PAGES.	12/8/2020
TOTAL ESTIMATED COST OF WORK	APPLICANT SIGNATURE	DATE

****** INSPECTOR MUST BE NOTIFIED AT LEAST 1- WORKING DAY PRIOR TO STARTING ANY WORK AND WHEN WORK IS COMPLETED BY CALLING THE CITY OF SAN RAMON ENCROACHMENT INSPECTION LINE AT (925)973-2692 ******

****** WORK SHALL BE COMPLETED WITHIN THREE MONTHS OF APPROVAL UNLESS OTHERWISE NOTED.APPLICANT MUST APPLY FOR A PERMIT EXTENSION PRIOR TO THE EXPIRATION DATE. PERMIT SHALL BE KEPT ON SITE AND PRESENTED UPON DEMAND.******

****** THE ENCROACHMENT PERMIT IS ISSUED IN ACCORDANCE WITH THE PROVISIONS OF DIVISION C6-4, CHAPTER 1 OF THE CITY OF SAN RAMON MUNICIPAL CODE. THE CITY RESERVES THE RIGHTS TO SUSPEND OR CANCEL THIS PERMIT, WITHOUT ADVANCE NOTICE, IF THE PERMITTEE FAILS TO COMPLY WITH THE TERMS AND CONDITIONS OF THIS PERMIT. IN THE EVENT OF SUCH SUSPENSION OR CANCELLATION, THE PERMITTEE SHALL BE HELD LIABLE FOR ALL COSTS INCURRED BY THE CITY IN SECURING AND RESTORING RIGHT-OF-WAY.******

SAN RAMON CITY USE ONLY

(DO NOT WRITE BELOW)

PRIOR TO COMMENCEMENT OF WORK, A PRECONSTRUCTION CONFERENCE OR SITE VISIT(S) IS REQUIRED ☑ YES ☐ NO

TRAFFIC CONTROL PLAN IS REQUIRED ☑ YES ☐ NO | TRAFFIC CONTROL PLAN SUBMITTED ☑ YES ☐ NO | TRAFFIC CONTROL PLAN APPROVED ☑ YES ☐ NO

SPECIAL CONDITIONS: Pls. see pg. 2, 3, attached TCP & General Notes.
Pls. see attached Roux Assoc's signed acknowledged COVID 19 Safety Protocol.

FEES $1011.39

SURETY BOND AMOUNT

CASH BOND AMOUNT $1000.00

DATE PAID 12/16/2020

RECEIPT NUMBER 1933-0001

PERMIT APPROVAL

AUTHORIZED SIGNATURE — DATE 12/16/2020

COMPLETION SIGNOFF

AUTHORIZED SIGNATURE — DATE

INSPECTION RECORD

DATE	COMMENTS	INSPECTOR	HOURS CHARGED

THE FOLLOWING CONDITIONS MUST BE COMPLIED WITH OR REVOCATION OF THIS PERMIT MAY OCCUR.

1. Permit required: Division of Occupational Safety & Health Administration (OSHA) section 17922.5 (excavations over 5', building, demolition, structure, falsework or scaffolding over 3 stories, diesel engines in mines or tunnels).
2. **Liability for Damages:** Applicant will indemnify, hold harmless and assume defense of, in any actions of law or in equity, the City of San Ramon, its officers, employees, agents, officials and volunteers from all claims, losses, damages, and liability of every kind, nature and description for personal injury, including death, property damage or damage to business arising out of your work in performance of this permit by the Applicant or any of its contractors or subcontractors. This indemnification shall extend to claim losses, damage, injury and liability for injuries occurring after completion of permitted operations, as well as during the work's progress.
3. **Liability Insurance:** Applicant shall obtain at its sole cost and keep in full force and effect during the term of this permit, and for one year thereafter:
   a. Commercial general liability insurance in a form and amount acceptable to the City, **naming the City of San Ramon, its officials, officers, directors, employees, agents, and volunteers as additional insured**. The general liability insurance must be primary with respect to the additional insured; any other insurance available to the additional insured shall be excess and noncontributing.
   b. Automobile Liability Insurance, occurrence form, with a limit of not less than $1 million each occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles.
   c. Workers Compensation in at least the minimum statutory limits.
   d. Employers' liability insurance, with minimum limits of $1 million per occurrence.
4. **Warranty:** All improvements, construction, reconstruction, repairs, repaving, and other work performed under this permit in the City's right-of-way shall be warranted to be free from defects for a minimum period of one (1) year after the City's final inspection and acceptance. Permittee shall undertake necessary corrective work and repairs within ten (14) working days of receipt of City's notice of defective work.
5. **Inspector must be notified at least 1 working day prior to starting any work and when work is completed by calling the City of San Ramon Encroachment Inspection Line at (925) 973-2692.**
6. All excavation requires prior notification of such activity. Applicant shall contact USA at **811** or **(800) 227-2600** to verify underground utility locations. Failure to do so will result in revocation of this permit.
7. All work shall be in accordance with City of San Ramon Standard Details and Caltrans Standard Specifications unless otherwise noted SPECIAL CONDITIONS on page 1. (Standard Details are available for purchase at the Public Works Department Engineering Division, 2401 Crow Canyon Road, San Ramon, CA 94583; Engineering@sanramon.ca.gov).
8. All work within public roadways requires a minimum of signs, cones, and flaggers in conformance with the most recent Caltrans standards to conduct traffic safety around construction zones. NOTE: Driveway access to fronting and adjacent properties shall be provided at all times.
9. Permittee/Contractor shall not store, dispose of, stage any activities in residential subdivisions without prior authorization by City.
10. Additional conditions requiring an attachment shall be identified as "Exhibit A" and noted under SPECIAL CONDITIONS on page 1.
11. The granting of this permit does not relieve the applicant of the responsibilities of obtaining any other permit required by public or private agencies. (i.e. County, Army Corp., Department of Fish and Game, Caltrans, EBRPD, RWQCB, etc.)
12. See below for more standard requirements.

I. GENERAL REQUIREMENTS

A. **JOB SITE CONDITIONS -** Permittee/Contractor agrees that (s) he shall assume sole and complete responsibility for the job site and conditions during the course of construction of this project, including safety of all person and property. Permittee/Contractor further agrees that this requirement shall apply continuously, 24 hours per day, and shall not be limited to normal working hours of 7:30 a.m. to 4:30 p.m.

B. **PROTECTION -** Permittee/Contractor shall provide and maintain enough barricades, lights, signs, flaggers, and other safety measures to protect the public in conformance with the most recent State of California Manual of Traffic Control for Construction and Maintenance Work Zone.

C. **TRAFFIC -** A City maintained road may not be closed to public traffic without the approval of the City Council. While working, keep one 10-foot wide lane open to traffic at all times. At all other times, two 12-foot wide lanes shall be open.

D. **ACCESS -** Permittee/Contractor shall maintain existing driveway and pedestrian ingress/egress access for properties adjacent to the work at all times.

E. **EROSION AND SEDIMENT CONTROL -** Permittee/Contractor shall comply with the requirements and best management practices as required by the State of California Regional Water Quality Control Board and the City's Stormwater (NPDES) permit. This includes protection of all catch basins within the vicinity of construction; maintenance of existing flow line and curb drainage.

F. **UTILITIES AND IMPROVEMENTS -** Permittee/Contractor shall protect, in place, all existing utilities, and improvements unless specified otherwise in this Permit. The permittee/contractor shall be responsible for the replacement, repair, and restoration, at his/her sole expense, utilities, and/or improvements. This includes but is not limited to landscaping (including irrigation system components), fences, utilities, structures, conduits or improvements damaged or destroyed by the performance of the work permitted herein. Utility protection/relocation is the responsibility of the permittee. This would include but not be limited to the adjustment (lowering, raising and moving laterally) of the utility vaults and valve boxes as a result of any road reconstruction or other City Capital Improvement Projects.

G. **PUBLIC RIGHTS-OF-WAY-** Permittee/Contractor shall keep all rights-of-way and off site areas clean from all dirt, mud, dust, debris and material stockpiles at all times. Any off-site damage to City streets, sidewalks, driveways, and landscaping found by the City to be the result of this permitted work, shall be repaired by the permittee/contractor, at his/her sole expense, and to the satisfaction of the City of San Ramon.

H. **MONUMENT PRESERVATION -** Permittee/Contractor shall not disturb any existing survey monuments within the City right-of-way. Monuments that are disturbed/removed shall be restored/replaced in accordance with provisions under Section 8771 of the State of California Business and Professional Code at no cost to the City.

I. **CLOSING THE PERMIT -** The Permittee shall notify the City at least one (1) working day, prior to completion of the authorized work under this permit by calling **(925) 973-2692**. Following such notification, the City will perform an inspection of the encroachment site to assure acceptability of the work and to verify restoration of the right-of-way. The City will continue to hold the Permittee esponsible for maintenance of the encroachment, and will retain any security deposits, pending the signoff of the Permit by the City staff.

II. STANDARD REQUIREMENTS - DRIVEWAYS (STD Detail C-3 for Residential & STD Detail C-4 for Commercial)

A. The driveway shall not enter a roadway within 5-feet of existing or planned curb returns; shall not interfere with a legal encroachment or create a hazard or nuisance and shall be spaced to make maximum street parking available.

B. The driveway is to be sloped to prevent sheet flow from crossing the road and shall not interfere with drainage, cause erosion, or deposition of silt. The driveway shall be constructed from the edge of pavement to the property line.

C. Minimum paved driveway construction shall consist of 2-1/2 inches of asphalt concrete pavement on 6-inches of Class II Aggregate Base within the road right-of-way. The entire portion of concrete driveways within the right-of-way shall consist of a minimum of 6-inches of 6-sack concrete over 6-inches of Class II Aggregate Base.

D. Minimum concrete driveway construction shall consist of 6-inches of Class A concrete on six inches of Class II Aggregate Base.

E. The top elevation of the driveway 5-feet behind the curb is to be 0.60 feet higher than the flow line of the gutter or as approved by the City Engineer.

F. If an existing driveway depression is not used, it shall be completely removed (curb, gutter, and sidewalk) after making a saw cut at the nearest expansion joint or score mark and replaced with concrete to conform to adjacent improvements to be used at the gutter lip and the pavement restored with asphalt concrete. Replacement sidewalk and gutter shall be doweled (See STD Detail C-1).

G. All broken curb, gutter, and sidewalk shall be completely removed by saw cut at the nearest expansion joint or score mark and replaced to true grade and cross section. The replacement curb, gutter and sidewalk shall be doweled (See STD Detail C-1).

III. STANDARD REQUIREMENTS – CURB RAMPS (STD Detail C-5a & C5b**)**

A. If Permittee/Contractor damaged, altered or replaced any element of an existing curb ramp, the Permittee/Contractor shall be required to replace and bring the existing curb ramp with the latest ADA compliance standard.

IV. STANDARD REQUIREMENTS - STREET CUTS

A. TRENCH EXCAVATION - Do not start work until pipe and other materials are at the site. (Open up only that length of trench, which can be backfilled the same day.) Shoring shall comply with "Trench Construction Safety Orders" of the California State Industrial Accident Commission. Pavement shall be scored to neat lines and removal shall not cause damage to pavement outside the scored lines. Excess excavated material shall be removed immediately from the site. For all streets, excavations that require the use of plates the contractor must install recessed skid resistant trench plates, or shall be temporarily resurfaced with minimum (1-1/2") one and one-half inches hot mix asphalt at the end of the workday.

B. CROSS TRENCH - More than 10-degree angle with the centerline of road or any trench less than 50 feet long in the pavement or within four feet of paved area shall be backfilled with Class II Aggregate Base and the structural section replacement in the paved area.

C. LONGITUDINAL TRENCH - Less than a 10-degree angle with the centerline of road or any trench less than 50 feet long in all paved areas including curbs, sidewalks or other concrete shall be backfilled with Class II Aggregate Base, from the top of pipe bedding to the bottom of the replacement structural section. The remaining trench shall be backfilled with the structural replacement in paved areas. In all other areas, longitudinal trenches may be backfilled from the pipe bedding to the ground surface with suitable material from the excavation or better material. Controlled density backfill may be used.

D. COMPACTION - The relative compaction of all trench backfill up to 5.0 feet below the structural section subgrade shall not be less than 90 percent. The structural section shall be compacted to not less than 95 percent. No jetting allowed. Testing and results shall be required prior to paving.

E. TEMPORARY PAVING - Temporary paving (or permanent paving) shall be placed at the end of each workday. Temporary pavement shall be hot mix asphalt concrete with 1-1/2" minimum thickness and shall be replaced within four weeks with permanent pavement.

F. BASE AND PAVEMENT REPLACEMENT - The roadway structural section shall be placed as stated in the permit. Otherwise, replacement shall be in kind except that the minimum replacement shall be the existing thickness of asphalt concrete or the minimum thickness per City STD Detail M-3. The use of recycled asphalt or aggregate base is not allowed unless approved otherwise by the City Engineer.

G. TRAFFIC CONTROL DEVICES - Unless otherwise specified, all traffic control devices, including vehicle detection loops, and pavement markings, removed or damaged by the contractor/permittee shall be replaced in kind or better. If damage is determined to impact traffic and public safety, the contractor/permittee shall be required to replace damaged devices within 48 hours. If the repairs are not completed within the time specified, the City reserves right to make the repairs and back charge the contractor/permittee.

H. RECENTLY RESURFACED ROADWAY - If the City has recently (within the last 3 years) resurfaced the roadway (micro-surfacing, overlay/inlay, etc.) in which the Utility Agency is requesting trench work (including emergency repair work), then the Utility Agency will restore the roadway by micro-surfacing, pavement inlay/overlay, or pay "in-lieu" fees as directed by the City Engineer.

I. MULTIPLE STREET CUTS - If (3) three or more cuts including potholes in a 300 feet distance, for arterial street restore minimum lane width, other streets full width micro-surfacing shall be required. For larger projects, restoration plan subject to City Engineer approval.

V. STANDARD REQUIREMENTS - SIDEWALK DRAINS

A. Install a three-inch inside diameter smooth wall, Schedule 40 PVC pipe through the curb and sidewalk (See STD Detail SD-14). For retrofit, saw cut and remove one panel of sidewalk, curb, and gutter. Pipe flow line shall match gutter flow line and pipe shall be cut off flush with face of curb. Sidewalk concrete shall encase pipe in three-inch concrete jacket. Replace curb, gutter, sidewalk and pavement to match adjacent improvements (STD Detail C-1).

B. Core boring to the curb is allowed at discretion of inspector. Any damage by core boring must be repaired by saw cut and removed as stated above (A) per STD Detail SD-14.

VI. STANDARD REQUIREMENTS – DUMPSTERS AND PODS

A. Dumpsters and PODS placed on the street shall have a reflective device, placed in front and back that can be seen by oncoming traffic. Dumpsters and PODS shall not protrude into traveled way or bike lane.

VII. STANDARD REQUIREMENTS - SWIMMING POOLS

A. Equipment shall not be left on street.

B. Any blockage of driveway egress and materials stockpiles shall be removed at the end of workday.

C. Inspection of egress areas shall be conducted before work begins and after work is completed. Damage to these areas shall be restored at the sole expense of the permittee/contractor.

D. Undersidewalk Crossdrain per Section IV requirements to be installed if necessary. If the cross drain will be installed by a contractor other then the pool contractor, then a separate encroachment permit will be required.

E. If subdrains or toe drains are encountered during excavation for the project, the applicant shall stop work, call Engineering Services @ **(925) 973-2670**, repair the subdrain, and/or modify the design of the wall so as not to interfere with the drain.

F. Contractor shall call **(925) 973-2692** for a final of the engineering permit prior to the sign off from the Building Department.

City of San Ramon, CA
Public Works
2401 Crow Canyon Road
San Ramon, CA 94583
(925) 973-2760
City of San Ramon

001933-0001 Debbie H. 12/16/2020 02:19PM

MISCELLANEOUS
ENG-ENCROACHMENT PERMITS
(34)
2021 Item: 34
1.0 @ 955.00
ENG-ENCROACHMENT
PERMITS (34) 955.00

955.00

MISCELLANEOUS
ENG-ENCROACHMENT BOND
(EB)
2021 Item: EB
1.0 @ 1,000.00
ENG-ENCROACHMENT BOND
(EB) 1,000.00

1,000.00

MISCELLANEOUS
CC FEE ENGINEERING
(CCENG)
2021 Item: CCENG
1.0 @ 56.39
CC FEE ENGINEERING
(CCENG) 56.39

56.39

Subtotal 2,011.39
Total 2,011.39

CREDIT CARD 2,011.39

Change due 0.00

Paid by: WAYNE HUNG

Comments: EP #568-20
PERMIT FEE = $955.00
REFUNDABLE DEPOSIT = $1,000.00
CC FEE = $56.39
PAID BY WAYNE HUNG FOR ROUX ASSOCIATES
WORK AT 2400-2440 CAMINO RAMON

Thank you for your payment

EP#568-20

CITY OF SAN RAMON ENGINEERING
2401 CROW CANYON RD
SAN RAMON CA 94583
925-973-2670

Terminal ID: *****297 ***2

12/16/20 2:14 PM

VISA - MANUAL
ACCT #: **********1881

CREDIT SALE
UID: 035146881661 REF #: 0293
BATCH #: 181 AUTH #: 02749C
INVOICE #: 56820
AVS: N

AMOUNT $2011.39

APPROVED

X on file

I AGREE TO PAY THE ABOVE TOTAL AMOUNT ACCORDING TO CARD ISSUER AGREEMENT (MERCHANT AGREEMENT IF CREDIT VOUCHER)

MERCHANT COPY

Ramos, Eric

From: Ramos, Eric
Sent: Wednesday, December 16, 2020 9:39 AM
To: 'Wayne Hung'
Cc: Angela Liang Cutting
Subject: RE: Encroachment Permit question
Attachments: CC Authorization for Permit by Email or Fax.pdf; 008.3C - Contractor Acknowledgment of COVID Protocols--Small Projects FINAL CLEAN 052120.docx

Here you go Wayne,

This permit is good to go but Fees & Bond need to be paid first prior to issuance of permit and Covid Protocol acknowledgement shall be filled out.
Attached is a CC Authorization form for your convenience.

Pls. see below for the breakdown of the Encroachment Permit Fee and Bond:

$ 120.00 - 1 hr. min. processing fee @ $120.00/hr.
$ 120.00 - 1 hr. Plan Review & Coordination @ $120.00/hr.
$ 75.00 - 0.5 hr. Traffic Control Plan Review @ $150.00/hr.
$ 640.00 - Inspection fee @ $160.00/hr., min. of 2 hrs./day for 2 days (if additional inspection is needed, additional inspection fee will be charged from the encroachment bond).

$ 955.00 + CC transaction fee - Total Encroachment Permit Fee Per Application for this type of permit

$ 1000.00 - Refundable Encroachment Bond

$ 1955.00 + CC transaction fee - Total Amount Due prior to issuance of the permit.

Thanks,

Eric Ramos
Engineering Specialist| City of San Ramon | Public Works | Engineering
2401 Crow Canyon Road | San Ramon, CA 94583
T: 925.973.2698 | www.sanramon.ca.gov

Due to the Public Health Order from Contra Costa Health Services, some City facilities are closed. Some services are still available over the phone, online, and by appointment only. Please visit www.bit.ly/CityServices for the latest information regarding City services. Let's all do what we can to flatten the curve!

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/9/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Graham Company The Graham Building 1 Penn Square West Philadelphia PA 19102-	**CONTACT NAME:** Joe Holden **PHONE (A/C, No, Ext):** 215-701-5225 **FAX (A/C, No):** 215-933-3988 **E-MAIL ADDRESS:** HOLDEN_UNIT@grahamco.com
	INSURER(S) AFFORDING COVERAGE / **NAIC #** **INSURER A :** Ironshore Specialty Insurance Co / 25445 **INSURER B :** LM Insurance Corporation / 33600 **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**
INSURED ROUXASC-01 Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074	

COVERAGES **CERTIFICATE NUMBER:** 1316476905 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:	Y		4439400	9/21/2020	9/21/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 25,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY			AS5Z51292501030	9/21/2020	9/21/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
	UMBRELLA LIAB OCCUR **EXCESS LIAB** CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC5-Z51-292501-020	9/21/2020	9/21/2021	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
A A	Professional Liability Pollution Liability			4439400 4439400	9/21/2020 9/21/2020	9/21/2021 9/21/2021	$1,000,000 each claim $1,000,000 Occ.	$2,000,000 Agg. $2,000,000 Agg.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Project # 2965.0014S000

City of San Ramon, its officials, officers, directors, employees, agents, and volunteers are additional insureds on the above General Liability policy and coverage shall apply on a Primary and Non-Contributory basis if required by written contract.

CERTIFICATE HOLDER

City of San Ramon
Public Works Dept. Eng'g Div
24010 Crow Canyon Road
San Ramon CA 94583

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Kenneth L Ewell

IRONSHORE
A Liberty Mutual Company

IRONSHORE SPECIALTY INSURANCE COMPANY

Mailing Address:
75 Federal Street
5th Floor
Boston, MA 02110
Toll Free: (877) IRON411

Insured Name: Roux Associates, Inc.
Policy Number: 4439400

ENVIRONMENTAL PROTECTION INSURANCE COVERAGE PACKAGE (EPIC PAC)

TABLE OF CONTENTS

d. An organization other than a partnership, joint venture or limited liability company, you are an insured. Your **executive officers** and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.

e. A trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees.

2. Any subsidiary, associated, affiliated, allied or limited liability company or corporation, including subsidiaries thereof, of which you have more than 50% ownership interest at the effective date of the **policy period** qualify as a Named Insured.

3. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and over which you maintain ownership or majority interest, will qualify as a Named Insured if there is no other similar insurance available to that organization. However:

a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the **policy period**, whichever is earlier;

b. Coverage under this policy does not apply to **bodily injury, property damage** or **environmental damage** that occurred before you acquired or formed the organization;

c. Coverage under this policy does not apply to **personal and advertising injury** arising out of an offense committed before you acquired or formed the organization; and

d. Coverage under this policy does not apply to damages arising out of any act, error or omission or **professional incident** that took place before you acquired or formed the organization.

4. Each of the following is also an insured:

a. Your **volunteer workers** only while performing duties related to the conduct of your business, or your **employees**, other than either your **executive officers** (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business. However, none of these **employees** or **volunteer workers** are insureds for:

(1) **Bodily injury** or **personal and advertising injury**:

(a) To you, to your partners or members (if you are a partnership or joint venture) or to your members (if you are a limited liability company);

(b) For which there is any obligation to share damages with or repay someone else who must pay damages because of the injury described in Paragraphs **(1)(a)** above; or

(c) Arising out of the providing or failure to provide professional health care services except incidental health care services provided by any physician, dentist, nurse, emergency medical technician or paramedic who is employed by you to provide such services and provided you are not engaged in the business of providing such services.

(2) **Property damage** or **environmental damage** to property owned, occupied or used by, **r**ented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by you, any of your **employees**, **volunteer workers**, any partner or member (if you are a partnership or joint venture), or any member (if you are a limited liability company).

b. Any person (other than your **employee**), or any organization while acting as your real estate manager.

c. Any person or organization having proper temporary custody of your property if you die, but only with respect to liability arising out of the maintenance or use of that property and until your legal representative has been appointed.

d. Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this policy.

e. Any person or organization you agree to include as an insured in a written contract, written agreement or permit, but only with respect to **bodily injury, property damage, environmental damage** or **personal and advertising injury** arising out of your operations, **your work**, equipment or premises leased or rented by you, or **your products** which are distributed or sold in the regular course of a vendor's business, however:

(1) A vendor is not an insured as respects **bodily injury, property damage, environmental damage** or **personal and advertising injury**:

(a) For which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement except that which the vendor would have in the absence of the contract or agreement;

(b) Arising out of any express warranty unauthorized by you;

(c) Arising out of any physical or chemical change in the product made intentionally by the vendor;

(d) Arising out of repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from you, and then repackaged in the original container;

(e) Arising out of any failure to make inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;

(f) Arising out of demonstration, installation servicing or repair operations, except such operations performed at the vendor's location in connection with the sale of the product; or

(g) Arising out of products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor.

(2) A manager or lessor of premises, a lessor of leased equipment, or a mortgagee, assignee, or receiver is not an insured as respects **bodily injury, property damage, environmental damage** or **personal and advertising injury:**

(a) Arising out of any **occurrence** that takes place after the equipment lease expires or you cease to be a tenant; or

(b) Arising out of structural alterations, new construction or demolition operations performed by or on behalf of the manager or lessor of premises, or mortgagee, assignee, or receiver.

f. Any person or organization that has at least a 50% controlling interest in you but only with respect to **bodily injury, property damage, environmental damage** or **personal and advertising injury** arising out of their financial control of you.

SECTION III – LIMITS OF INSURANCE AND DEDUCTIBLE

1. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

a. Insureds;

b. **Claims** made or **suits** brought;

c. Persons or organizations making **claims** or bringing **suits;**

d. **Pollution incidents**;

e. Acts, errors or omissions; or

f. Benefits included in your **employee benefit program**.

2. The General Aggregate Limit:

a. Is the most we will pay for the sum of:

(1) Damages and **emergency response expense** under **COVERAGE PART I,** except damages because of **bodily injury, property damage** or **environmental damage** included in the **products-completed operations hazard** other than damages covered under **COVERAGE PART I – Coverage G: Contractors Pollution Liability**;

(2) Damages under **COVERAGE PART II**;

(3) Medical expense under **COVERAGE PART II**;

Acknowledgement of Shelter in Place Order & Appendix B-1 Safety Protocols (Small Construction Projects)

This form acknowledges that you have read and fully understand all the requirements of the Contra Costa County Health Office Shelter in Place Order (Order No. HO-COVID19-09) dated April 29, 2020. Please read the Order carefully. Violation of or failure to comply is a misdemeanor punishable by fine, imprisonment or both (California Health and Safety Code § 120295, et seq.; Cal. Penal Code § 69,148(a)(1)) and may be grounds for revocation of your building, encroachment, or site development permit, or issuance of a Stop Work Notice. All Health Officer Statements and orders are available for download at: *https://www.coronavirus.cchealth.org/health-orders*.

The following applies to any construction project meeting any of the following specifications, including public works projects, unless otherwise specified by the Health Officer:

a. For residential projects, any single-family, multi-family, senior, student, or other residential construction, renovation, or remodel project consisting of 10 units or less. This Protocol does not apply to construction projects where a person is performing construction on their current residence either alone or solely with members of their own household.

b. For commercial projects, any construction, renovation, or tenant improvement project consisting of 20,000 square feet of floor area or less.

c. For mixed-use projects, any project that meets both of the specifications in paragraphs a and b.

d. All other construction projects not subject to the Large Construction Project Safety Protocol set forth in Appendix B-2.

The City will not issue a building permit until you have read, initialed your understanding of each provision, signed, and returned this form to us.

Project Name: Summerhill BR-6	Permit/Contract No.:
Project Address: 2400 – 2440 Camino Ramon, San Ramon, California	
Designated COVID-19 Safety Supervisor: **Wayne Hung**	

Directions: Read and initial each box below to establish that you understand the information herein.

Health Officer Order HO-COVID19-09 Dated: April 29, 2020

X	I acknowledge that I have *fully* read and understand this order (Order No. HO-COVID19-09) and all its requirements. *https://www.contracosta.ca.gov/DocumentCenter/View/66362/Full-Health-Order*

Office Order Generally Requiring Members of Public and Workers to Wear Face Coverings

[X] I acknowledge that I have *fully* read and understand this order (Order No. HO-COVID19-08) and all its requirements.
https://813dcad3-2b07-4f3f-a25e-23c48c566922.filesusr.com/ugd/84606e_7aedf6a44a884872ad17824ef2855107.pdf

Appendix B-1: SMALL Construction Project Safety Protocol

[X] I acknowledge that I have *fully* read and understand this order and all its requirements.
https://813dcad3-2b07-4f3f-a25e-23c48c566922.filesusr.com/ugd/ee8930_8e95f4cb0adb4919a3535a7925c72fd5.pdf

Designated COVID-19 Responsibilities

I will enforce the guidance identified in Appendix B-1 section 2 subsections a through r:

[X] a. Comply with all applicable and current laws and regulations including but not limited to OSHA and Cal-OSHA. If there is any conflict, difference, or discrepancy between or among applicable laws and regulations and/or this SCP Protocol, the stricter standard shall apply.

[X] b. Designate a site-specific COVID-19 supervisor or supervisors to enforce this guidance. A designated COVID-19 supervisor must be present on the construction site at all times during construction activities. A COVID-19 supervisor may be an on-site worker who is designated to serve in this role.

[X] c. The COVID-19 supervisor must review this SCP Protocol with all workers and visitors to the construction site.

[X] d. Establish a daily screening protocol for arriving staff to ensure that potentially infected staff do not enter the construction site. If workers leave the jobsite and return the same day, establish a cleaning and decontamination protocol prior to entry and exit of the jobsite. Post the daily screening protocol at all entrances and exits to the jobsite. More information on screening can be found online at: https://www.cdc.gov/coronavirus/2019-ncov/community/index.html.

[X] e. Practice social distancing by maintaining a minimum six-foot distance between workers at all times, except as strictly necessary to carry out a task associated with the construction project.

[X] f. Where construction work occurs within an occupied residential unit, separate work areas must be sealed off from the remainder of the unit with physical barriers such as plastic sheeting or closed doors sealed with tape to the extent feasible. If possible, workers must access the work area from an alternative entry/exit door to the entry/exit door used by residents. Available windows and exhaust fans must be used to ventilate the work area. If residents have access to the work area between workdays, the work area must be cleaned and sanitized at the beginning and at the end of workdays. Every effort must be taken to minimize contact between workers and residents, including maintaining a minimum of six feet of social distancing at all times.

[X] g. Where construction work occurs within common areas of an occupied residential or commercial building or a mixed-use building in use by on-site employees or residents, separate work areas must be sealed off from the rest of the common areas with physical barriers such as plastic sheeting or closed doors sealed with tape to the extent feasible. If possible, workers must access the work area from an alternative building entry/exit door to the building entry/exit door used by residents or other users of the building. Every effort must be taken to minimize contact between worker and building residents and users, including maintaining a minimum of six feet of social distancing at all times.

[X] h. Prohibit gatherings of any size on the jobsite, including gatherings for breaks or eating, except for meetings regarding compliance with this protocol or as strictly necessary to carry out a task associated with the construction project.

[X] i. Cal-OSHA requires employers to provide water, which should be provided in single-serve containers. Sharing of any of any food or beverage is strictly prohibited and if sharing is observed, the worker must be sent home for the day.

[X] j. Provide personal protective equipment ("PPE") specifically for use in construction, including gloves, goggles, face shields, and face coverings as appropriate for the activity being performed. At no time may a contractor secure or use medical-grade PPE unless required due to the medical nature of a jobsite. Face coverings must be worn in compliance with Section 5 of the Health Officer's Order No. HO-COVID19-08, dated April 17, 2020, or any subsequently issued or amended order.

[X] k. Strictly control "choke points" and "high-risk areas" where workers are unable to maintain six-foot social distancing and prohibit or limit use to ensure that six-foot distance can easily be maintained between individuals.

[X] l. Minimize interactions and maintain social distancing with all site visitors, including delivery workers, design professionals and other project consultants, government agency representatives, including building and fire inspectors, and residents at residential construction sites.

[X] m. Stagger trades as necessary to reduce density and allow for easy maintenance of a minimum six-foot separation.

[X] n. Discourage workers from using others' desks, work tools, and equipment. If more than one worker uses these items, the items must be cleaned and disinfected with disinfectants that are effective against COVID-19 in between use by each new worker. Prohibit sharing of PPE.

[X] o. If hand washing facilities are not available at the jobsite, place portable wash stations or hand sanitizers that are effective against COVID-19 at entrances to the jobsite and in multiple locations dispersed throughout the jobsite as warranted.

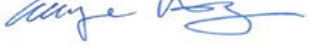
[X] p. Clean and sanitize any hand washing facilities, portable wash stations, jobsite restroom areas, or other enclosed spaces daily with disinfectants that are effective against COVID-19. Frequently clean and disinfect all high touch areas, including entry and exit areas, high traffic areas, restrooms, hand washing areas, tools, and equipment.

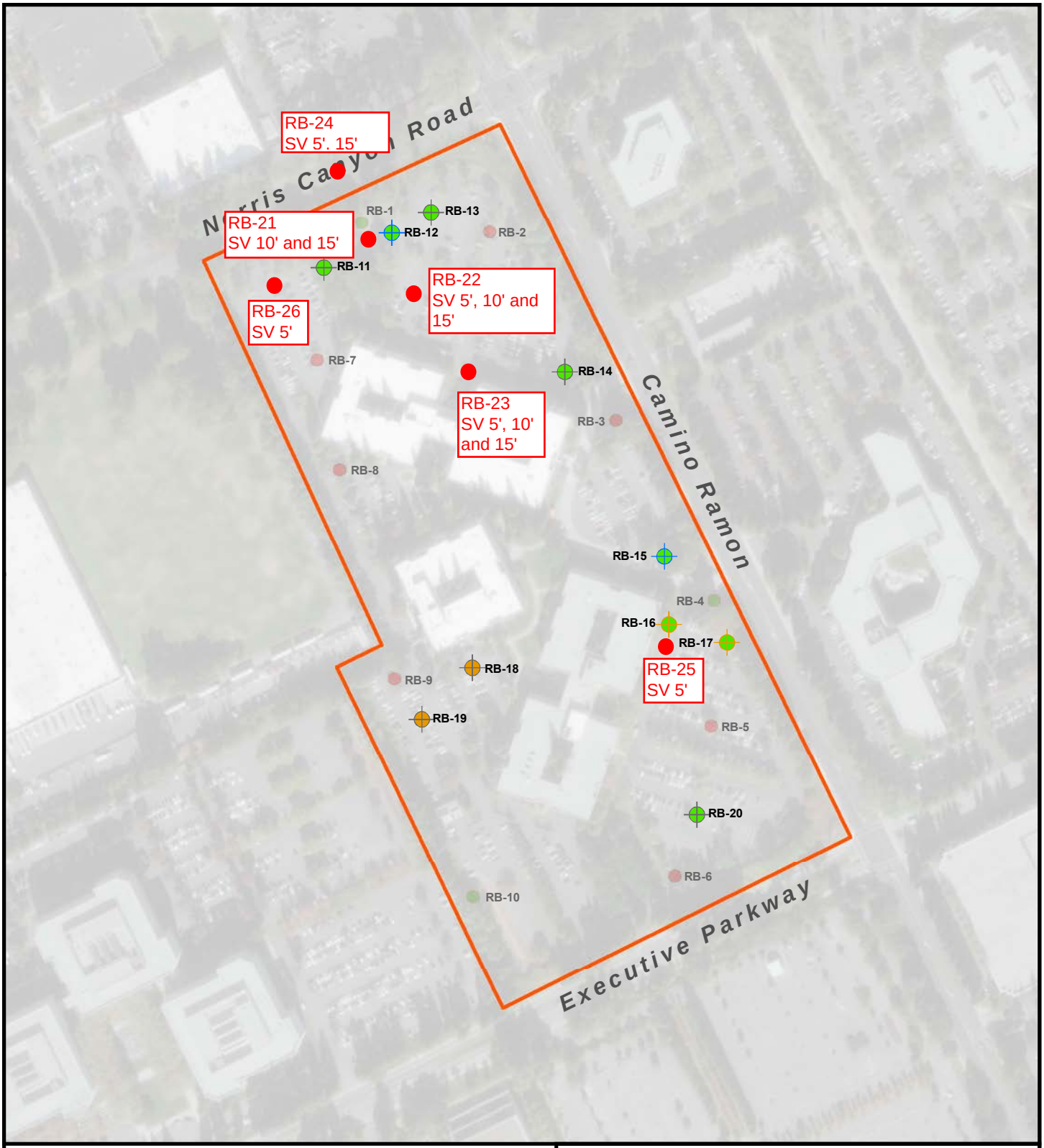
[X] q. Maintain a daily attendance log of all workers and visitors that includes contact information, including name, phone number, address, and e-mail.

[X] r. Post a notice in an area visible to all workers and visitors instructing workers and visitors to do the following:

i. Do not touch your face with unwashed hands or with gloves.
ii. Frequently wash your hands with soap and water for at least 20 seconds or use hand sanitizer with at least 60% alcohol.
iii. Clean and disinfect frequently touched objects and surfaces such as work stations, keyboards, telephones, handrails, machines, shared tools, elevator control buttons, and doorknobs.
iv. Cover your mouth and nose when coughing or sneezing, or cough or sneeze into the crook of your arm at your elbow/sleeve.
v. Do not enter the jobsite if you have a fever, cough, or other COVID-19 symptoms. If you feel sick, or have been exposed to anyone who is sick, stay at home.
vi. Constantly observe your work distances in relation to other staff. Maintain the recommended minimum six feet at all times. If not possible, wear the necessary PPE for working in close proximity to another person.
vii. Do not carpool to and from the jobsite with anyone except members of your own household unit, or as necessary for workers who have no alternative means of transportation.
viii. Do not share phones or PPE.

Acknowledgement: Print name, sign, and enter date.

COVID-19 Safety Supervisor Name	Signature	Date
Wayne Hung		12/16/2020



LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- PREVIOUS SOIL VAPOR AND SOIL SAMPLE LOCATION
- SOIL VAPOR SAMPLE LOCATION
- SOIL VAPOR AND GROUNDWATER SAMPLE LOCATION
- SOIL AND SOIL VAPOR SAMPLE LOCATION
- SOIL SAMPLE LOCATION
- SITE BOUNDARY

N

300 0 300'

Title:

SITE PLAN WITH BORING LOCATIONS

BISHOP RANCH 6, 2400-2440 CAMINO RAMON
SAN RAMON, CALIFORNIA

Prepared for:

SUMMERHILL HOMES

ROUX

Compiled by: L.H.	Date: 11/10/20
Prepared by: L.H.	Scale: AS SHOWN
Project Mgr: A.C.	Project: 2965.0014S000
File: 2965.0014S100.02.mxd	

FIGURE 2

S:\GIS\PROJECTS\2965\0014S\100\2965.0014S100.02.MXD

Traffic Control Plan General Notes

1. All traffic control devices shall conform to Chapter 6 of the latest edition of the California Manual on Uniform Traffic Control Devices (CAMUTCD).
2. The contractor shall maintain all traffic control devices 24 hours per day and 7 days per week.
3. All traffic control devices shall be removed from view when not in use.
4. The Public Works Director or authorized representative has the authority to initiate field changes as necessary in the interest of public safety.
5. General work hours shall be 9:00 a.m. to 3:30 p.m., unless approved otherwise. Work on arterials or near schools or where unusual traffic conditions are present may require special restrictions.
6. Road closures shall require written approval from the Public Works Director.
7. All night work shall require written approval from the Engineering Services Division. Lane closures, road detours, road closures, and traffic signal modifications associated with overnight construction activities shall require warning signs be placed at least one week in advance of starting construction.
8. Any work that disturbs normal traffic signal operations shall be coordinated with the City of San Ramon's Traffic Engineering Unit of the Engineering Services Division, at least 72 hours prior to beginning construction.
9. Any project that is deemed to cause substantial impact to vehicles, pedestrians, or bicycles will require prior notice to residents, businesses, and the traveling public to City satisfaction (individual mailings, electronic message board signs, project information postings, etc).
10. All workers shall be equipped with an orange vest (or a reflective vest at night). All flaggers shall also be equipped with a hard hat, C28 "STOP/SLOW" paddle and shall be trained in the proper fundamentals of flagging traffic.
11. Trenches shall be backfilled or plated during non-working hours.
12. Pedestrian and bicycle access through or around the work zone shall be maintained at all times. Pedestrian and bicycle controls shall be provided as shown on the plans. Pedestrians, including those with disabilities, and bicyclists should be provided with access and reasonably safe passage through the temporary traffic control zone.
13. Temporary "NO PARKING" signs shall be posted 72 hours prior to commencing work.
14. Access to driveways shall be maintained at all times unless other arrangements are made.
15. A minimum of twelve (12) foot travel lanes shall be maintained unless otherwise approved.
16. A flashing arrow board shall be required for all arterial and collector street lane closures.
17. Where proposed traffic control plan is identical to MUTCD or other standard plans, a copy of the plan shall be included with the TCP submittal.
18. Traffic signal loop detectors damaged during construction shall be replaced by the contractor within 72 hours.
19. All striping removed or damaged shall be replaced by the contractor within 24 hours (or replaced with temporary tape until markings can be permanently restored).

NORRIS CANYON RD
TRAFFIC CONTROL PLANS

SAN RAMON, CALIFORNIA

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, AND THE CALIFORNIA TEMPORARY TRAFFIC CONTROL HANDBOOK (CATTCH).
2. THE LOCAL FIRE DEPARTMENT, SHERIFF/POLICE DEPARTMENT, CALIFORNIA HIGHWAY PATROL, LOCAL SCHOOL DISTRICT, TRANSIT SERVICE PROVIDERS AND UNITED STATES POSTAL SERVICE SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
3. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE VEST AND HARD HAT PER THE LATEST ANSI/ISEA 107 STANDARDS. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A R1-1/W20-8 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
4. NO PARKING SIGNS SHALL BE PLACED IN ACCORDANCE TO LOCAL AGENCY REQUIREMENTS. OTHERWISE, NO PARKING SIGNS SHALL BE PLACED 72 HOURS PRIOR TO SET UP. SIGNS SHALL BE POSTED EVERY 20 LINEAR FEET OF OCCUPIED SPACE WITH AT LEAST ONE SIGN AT EACH END OF OCCUPIED SPACE.
5. ANY CONFLICTING SIGNS WILL BE COVERED FOR THE LENGTH OF THE JOB.
6. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND DRIVEWAY ACCESS AT ALL TIMES.
7. B.A.T.S TRAFFIC SOLUTIONS, INC. ACKNOWLEDGES NO RESPONSIBILITY IN THE CASE OF ANY ACCIDENT, INJURY, OR DEATH OCCURRING DURING THE USE OF THESE PLANS. PLANS ARE NOT TO BE DUPLICATED FOR USE BY ANY PERSONS NOT INCLUDED IN THIS CONTRACT WITHOUT WRITTEN CONSENT.
8. CITY ENGINEER OR HIS/HER REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
9. IF PEDESTRIAN ACCESS IS RESTRICTED DURING WORK HOURS, AT LEAST ONE WORKER SHALL BE ASSIGNED WITH THE RESPONSIBILITY TO SAFELY ESCORT DISABLED, ELDERLY, AND/OR ANY OTHER PEDESTRIAN IN NEED OF ASSISTANCE. THE ASSIGNED WORKER(S) MAY ALSO PARTICIPATE IN OTHER CONSTRUCTION ACTIVITIES BUT SHALL ALWAYS BE AWARE OF HIS/HER RESPONSIBILITY TO PROVIDE THIS ASSISTANCE. PEDESTRIANS SHALL NOT BE DIRECTED NOR EXPECTED TO CROSS A ROADWAY AT ANY LOCATION OTHER THAN AT A SIGNALIZED INTERSECTION OR ALL-WAY STOP. ACCOMMODATIONS SHOULD BE MADE ON THE SAME SIDE OF THE ROADWAY AS THE WORK.
10. ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH A HIGH-LEVEL WARNING DEVICE (FLAG TREE).
11. TYPE A OR TYPE B FLASHING WARNING LIGHTS SHALL BE USED, AS SHOWN ON THE PLAN, WHEN WORK IS AT NIGHT OR ENCROACHES THE HOURS OF DARKNESS. TYPE B FLASHING WARNING LIGHTS SHALL BE USED, AS SHOWN ON THE PLAN, WHEN WORK IS 24/7 SETUP.
12. LIGHT TOWERS SHALL BE USED AT FLAGGER STATIONS AND WORK AREAS WHEN WORK IS AT NIGHT OR ENCROACHES THE HOURS OF DARKNESS. HIGHWAY CONSTRUCTION WORK LIGHTING SHALL BE PER CALIFORNIA CODE OF REGULATIONS CONSTRUCTION SAFETY ORDER 1523 (TILE 8, DIVISION 1, CHAPTER 4, SUBCHAPTER 4, ARTICLE 3, SECTION 1523).
13. WHEN APPLICABLE, PLACE A MINIMUM OF FOUR CONES AT 50FT INTERVALS IN ADVANCE OF FLAGGER STATION.
14. WHEN APPLICABLE, PLACE SHOULDER TAPER IN ADVANCE OF PCMS BOARD. SEE TABLE 1 ON CALTRANS STD T9 FOR SHOULDER TAPER LENGTH.
15. NOTHING ALLOWED IN BUFFER OR TRANSITION AREAS UNLESS OTHERWISE SHOWN ON THE PLAN.
16. CONTRACTOR SHALL PLATE EXCAVATED AREA DURING NON-WORKING HOURS.
17. PLAN IS ACCURATE FOR TRAFFIC CONTROL WORK ONLY. EXCAVATION LOCATION IS APPROXIMATE AND FOR REFERENCE ONLY.
18. CONES SHOWN ON PLAN ARE FOR ILLUSTRATION PURPOSES ONLY. EXACT NUMBER OF CONES REQUIRED SHALL BE BASED ON THE POSTED SPEED, TANGENT LENGTHS, TAPER LENGTHS, CONFLICT SECTIONS, AND ACTUAL FIELD CONDITIONS, ETC.

No.	DATE	DESCRIPTION	DWN	CHKD	SUPV
0	12/4/20	ISSUED FOR PERMIT	VRB	VRB	VRB

REVISIONS

NORRIS CANYON RD
TRAFFIC CONTROL PLANS

SAN RAMON, CALIFORNIA

TCP REQUEST BY:

ROUX, INC.
WAYNE HUNG
WHUNG@ROUXINC.COM

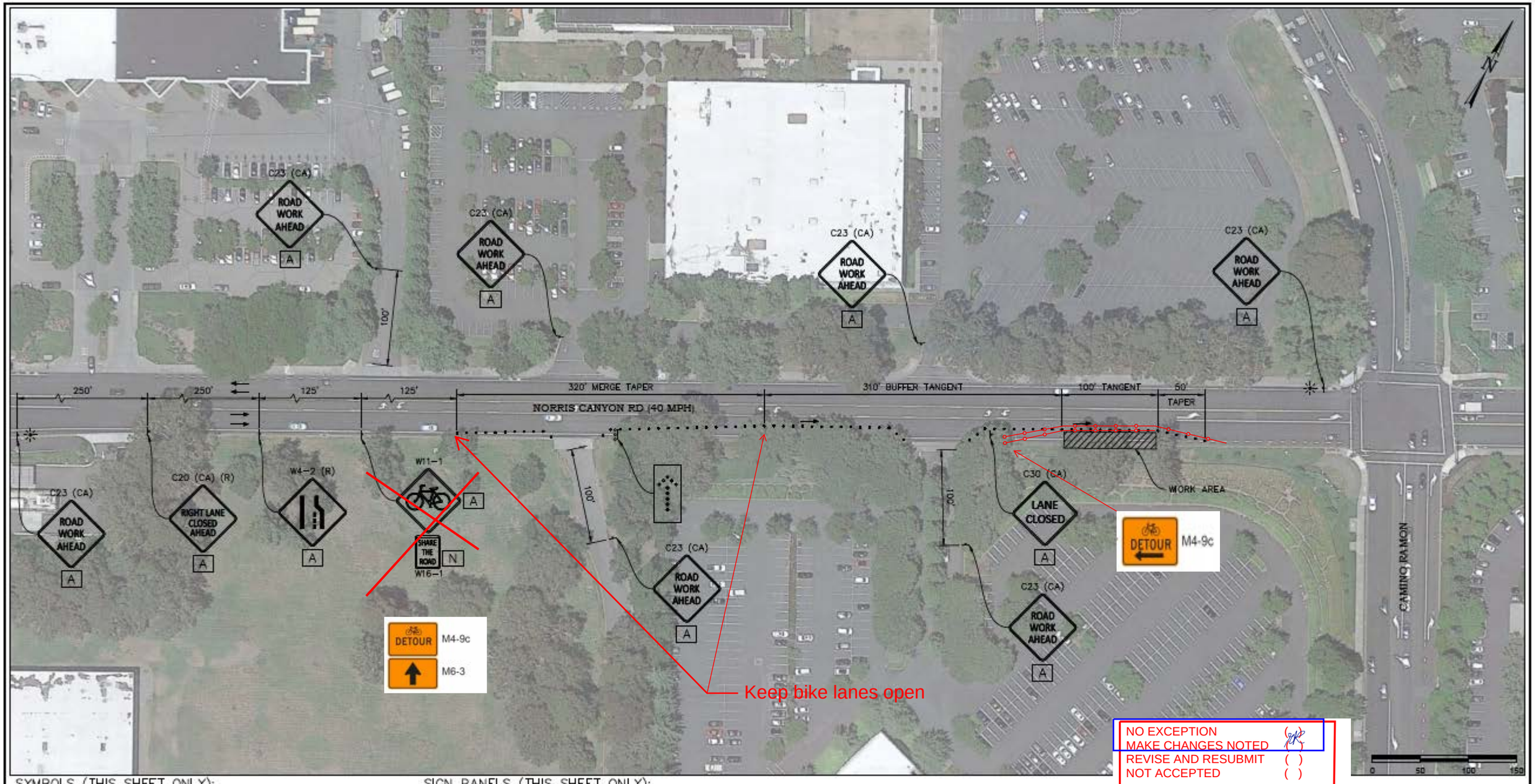
B.A.T.S. TRAFFIC SOLUTIONS
CSLB# 917034
OFFICE: 510-857-2543
FAX: 510-857-2544

44800 INDUSTRIAL DR, FREMONT, CA 94538
WWW.BATSTRAFFICSOLUTIONS.COM

DWN:	VRB
CHKD:	VRB
SUPV:	VRB
DATE	12/4/20

AFTER HOURS EMERGENCY
510-299-5666

TCP QUESTIONS?
EMAIL: TCPORDERS@GOBATS.NET



SYMBOLS (THIS SHEET ONLY):

- → = TRAFFIC LANE CONFIGURATION
- ⁃ = TEMPORARY TRAFFIC CONTROL SIGN
- • = CHANNELIZING DEVICE (SPACING PER TABLE 1 ON CALTRANS STD T9)
- ✳ = FLASHING WARNING LIGHT (SEE GENERAL NOTE 11 ON SHEET 1)
- ⁞ = FLASHING ARROW BOARD

SIGN PANELS (THIS SHEET ONLY):

- A 48"x48"
- N 24"x30"

NO EXCEPTION ( )
MAKE CHANGES NOTED (X)
REVISE AND RESUBMIT ( )
NOT ACCEPTED ( )

CITY OF SAN RAMON
BY: _____
DATE: 12/15/2020

See attached San Ramon TCP General Comments

No.	DATE	DESCRIPTION	DWN	CHKD	SUPV
0	12/4/20	ISSUED FOR PERMIT	VRB	VRB	VRB

REVISIONS

NORRIS CANYON RD
TRAFFIC CONTROL PLANS

SAN RAMON, CALIFORNIA

TCP REQUEST BY:
ROUX, INC.
WAYNE HUNG
WHUNG@ROUXINC.COM

B.A.T.S. TRAFFIC SOLUTIONS
C&LB# 917084
OFFICE: 510-857-2643
FAX: 510-857-2644
44800 INDUSTRIAL DR, FREMONT, CA 94538
WWW.BATSTRAFFICSOLUTIONS.COM

DWN: VRB
CHKD: VRB
SUPV: VRB
DATE: 12/4/20

AFTER HOURS EMERGENCY
510-299-5666

TCP QUESTIONS?
EMAIL: TCPORDERS@GOBATS.NET

APPENDIX B

Laboratory Reports

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2010G44

Report Created for: Roux Associates, Inc.

555 12th Street, Suite 250
Oakland, CA 94607

Project Contact: Angela Cutting
Project P.O.:
Project: 2965.0014S000; Camino Ramon

Project Received: 10/30/2020

Analytical Report reviewed & approved for release on 11/11/2020 by:

Christine Askari
Project Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; Camino Ramon
WorkOrder: 2010G44

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; Camino Ramon
WorkOrder: 2010G44

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate recovery outside accepted recovery limits.
c2	Surrogate recovery outside of the control limits due to matrix interference.

Quality Control Qualifiers

F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/02/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-18-3	2010G44-006A	Soil	10/30/2020 14:50	GC38 11102013.D	208518

Analytes	Result	MDL	RL	DF	Date Analyzed
Acetone	ND	0.12	0.20	1	11/10/2020 14:50
tert-Amyl methyl ether (TAME)	ND	0.00074	0.0050	1	11/10/2020 14:50
Benzene	ND	0.00087	0.0050	1	11/10/2020 14:50
Bromobenzene	ND	0.00091	0.0050	1	11/10/2020 14:50
Bromochloromethane	ND	0.00091	0.0050	1	11/10/2020 14:50
Bromodichloromethane	ND	0.000094	0.0050	1	11/10/2020 14:50
Bromoform	ND	0.0039	0.0050	1	11/10/2020 14:50
Bromomethane	ND	0.0025	0.0050	1	11/10/2020 14:50
2-Butanone (MEK)	ND	0.023	0.050	1	11/10/2020 14:50
t-Butyl alcohol (TBA)	ND	0.023	0.050	1	11/10/2020 14:50
n-Butyl benzene	ND	0.0014	0.0050	1	11/10/2020 14:50
sec-Butyl benzene	ND	0.0015	0.0050	1	11/10/2020 14:50
tert-Butyl benzene	ND	0.0017	0.0050	1	11/10/2020 14:50
Carbon Disulfide	ND	0.0015	0.0050	1	11/10/2020 14:50
Carbon Tetrachloride	ND	0.00012	0.0050	1	11/10/2020 14:50
Chlorobenzene	ND	0.00087	0.0050	1	11/10/2020 14:50
Chloroethane	ND	0.0016	0.0050	1	11/10/2020 14:50
Chloroform	ND	0.00019	0.0050	1	11/10/2020 14:50
Chloromethane	ND	0.0017	0.0050	1	11/10/2020 14:50
2-Chlorotoluene	ND	0.0013	0.0050	1	11/10/2020 14:50
4-Chlorotoluene	ND	0.0010	0.0050	1	11/10/2020 14:50
Dibromochloromethane	ND	0.00042	0.0050	1	11/10/2020 14:50
1,2-Dibromo-3-chloropropane	ND	0.00049	0.0050	1	11/10/2020 14:50
1,2-Dibromoethane (EDB)	ND	0.00012	0.0050	1	11/10/2020 14:50
Dibromomethane	ND	0.00095	0.0050	1	11/10/2020 14:50
1,2-Dichlorobenzene	ND	0.0023	0.0050	1	11/10/2020 14:50
1,3-Dichlorobenzene	ND	0.0010	0.0050	1	11/10/2020 14:50
1,4-Dichlorobenzene	ND	0.0010	0.0050	1	11/10/2020 14:50
Dichlorodifluoromethane	ND	0.0017	0.0050	1	11/10/2020 14:50
1,1-Dichloroethane	ND	0.00081	0.0050	1	11/10/2020 14:50
1,2-Dichloroethane (1,2-DCA)	ND	0.000071	0.0050	1	11/10/2020 14:50
1,1-Dichloroethene	ND	0.000069	0.0050	1	11/10/2020 14:50
cis-1,2-Dichloroethene	ND	0.00075	0.0050	1	11/10/2020 14:50
trans-1,2-Dichloroethene	ND	0.0012	0.0050	1	11/10/2020 14:50
1,2-Dichloropropane	ND	0.00078	0.0050	1	11/10/2020 14:50
1,3-Dichloropropane	ND	0.0010	0.0050	1	11/10/2020 14:50
2,2-Dichloropropane	ND	0.0012	0.0050	1	11/10/2020 14:50

(Cont.)

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"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/02/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-18-3	2010G44-006A	Soil	10/30/2020 14:50	GC38 11102013.D	208518

Analytes	Result	MDL	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.00096	0.0050	1	11/10/2020 14:50
cis-1,3-Dichloropropene	ND	0.00066	0.0050	1	11/10/2020 14:50
trans-1,3-Dichloropropene	ND	0.00067	0.0050	1	11/10/2020 14:50
Diisopropyl ether (DIPE)	ND	0.00078	0.0050	1	11/10/2020 14:50
Ethylbenzene	ND	0.0011	0.0050	1	11/10/2020 14:50
Ethyl tert-butyl ether (ETBE)	ND	0.00073	0.0050	1	11/10/2020 14:50
Freon 113	ND	0.0011	0.0050	1	11/10/2020 14:50
Hexachlorobutadiene	ND	0.0012	0.0050	1	11/10/2020 14:50
Hexachloroethane	ND	0.00067	0.0050	1	11/10/2020 14:50
2-Hexanone	ND	0.0043	0.0050	1	11/10/2020 14:50
Isopropylbenzene	ND	0.0014	0.0050	1	11/10/2020 14:50
4-Isopropyl toluene	ND	0.0013	0.0050	1	11/10/2020 14:50
Methyl-t-butyl ether (MTBE)	ND	0.0014	0.0050	1	11/10/2020 14:50
Methylene chloride	ND	0.0058	0.020	1	11/10/2020 14:50
4-Methyl-2-pentanone (MIBK)	ND	0.0015	0.0050	1	11/10/2020 14:50
Naphthalene	ND	0.0022	0.0050	1	11/10/2020 14:50
n-Propyl benzene	ND	0.0016	0.0050	1	11/10/2020 14:50
Styrene	ND	0.0012	0.0050	1	11/10/2020 14:50
1,1,1,2-Tetrachloroethane	ND	0.0010	0.0050	1	11/10/2020 14:50
1,1,2,2-Tetrachloroethane	ND	0.00028	0.0050	1	11/10/2020 14:50
Tetrachloroethene	ND	0.00031	0.0050	1	11/10/2020 14:50
Toluene	ND	0.0012	0.0050	1	11/10/2020 14:50
1,2,3-Trichlorobenzene	ND	0.0017	0.0050	1	11/10/2020 14:50
1,2,4-Trichlorobenzene	ND	0.0012	0.0050	1	11/10/2020 14:50
1,1,1-Trichloroethane	ND	0.00084	0.0050	1	11/10/2020 14:50
1,1,2-Trichloroethane	ND	0.00092	0.0050	1	11/10/2020 14:50
Trichloroethene	ND	0.00081	0.0050	1	11/10/2020 14:50
Trichlorofluoromethane	ND	0.0013	0.0050	1	11/10/2020 14:50
1,2,3-Trichloropropane	ND	0.00015	0.0050	1	11/10/2020 14:50
1,2,4-Trimethylbenzene	ND	0.0032	0.0050	1	11/10/2020 14:50
1,3,5-Trimethylbenzene	ND	0.0012	0.0050	1	11/10/2020 14:50
Vinyl Chloride	ND	0.00013	0.0050	1	11/10/2020 14:50
m,p-Xylene	ND	0.0025	0.0050	1	11/10/2020 14:50
o-Xylene	ND	0.0012	0.0050	1	11/10/2020 14:50
Xylenes, Total	ND	NA	0.0050	1	11/10/2020 14:50

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/02/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-18-3	**2010G44-006A**	**Soil**	**10/30/2020 14:50**	**GC38 11102013.D**	**208518**

Analytes	Result	MDL	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113		66-116	11/10/2020 14:50
Toluene-d8	128	S	86-110	11/10/2020 14:50
4-BFB	118	S	71-114	11/10/2020 14:50
Benzene-d6	99		62-122	11/10/2020 14:50
Ethylbenzene-d10	112		69-130	11/10/2020 14:50
1,2-DCB-d4	82		55-108	11/10/2020 14:50

Analyst(s): JEM Analytical Comments: c2

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-12-GW	2010G44-009A	Water	10/29/2020 11:30	GC38 11072012.D	208988

Analytes	Result	MDL	RL	DF	Date Analyzed
Acetone	ND	30.0	40	1	11/07/2020 13:29
tert-Amyl methyl ether (TAME)	ND	0.0610	0.50	1	11/07/2020 13:29
Benzene	ND	0.0360	0.50	1	11/07/2020 13:29
Bromobenzene	ND	0.0970	0.50	1	11/07/2020 13:29
Bromochloromethane	ND	0.0720	0.50	1	11/07/2020 13:29
Bromodichloromethane	ND	0.0270	0.50	1	11/07/2020 13:29
Bromoform	ND	0.210	0.50	1	11/07/2020 13:29
Bromomethane	ND	0.270	0.50	1	11/07/2020 13:29
2-Butanone (MEK)	ND	2.10	5.0	1	11/07/2020 13:29
t-Butyl alcohol (TBA)	ND	2.20	5.0	1	11/07/2020 13:29
n-Butyl benzene	ND	0.0830	0.50	1	11/07/2020 13:29
sec-Butyl benzene	ND	0.0750	0.50	1	11/07/2020 13:29
tert-Butyl benzene	ND	0.0920	0.50	1	11/07/2020 13:29
Carbon Disulfide	ND	0.120	0.50	1	11/07/2020 13:29
Carbon Tetrachloride	ND	0.0470	0.50	1	11/07/2020 13:29
Chlorobenzene	ND	0.0870	0.50	1	11/07/2020 13:29
Chloroethane	ND	0.160	0.50	1	11/07/2020 13:29
Chloroform	ND	0.0850	0.50	1	11/07/2020 13:29
Chloromethane	ND	0.0960	0.50	1	11/07/2020 13:29
2-Chlorotoluene	ND	0.0890	0.50	1	11/07/2020 13:29
4-Chlorotoluene	ND	0.0890	0.50	1	11/07/2020 13:29
Dibromochloromethane	ND	0.0830	0.50	1	11/07/2020 13:29
1,2-Dibromo-3-chloropropane	ND	0.160	1.0	1	11/07/2020 13:29
1,2-Dibromoethane (EDB)	ND	0.0750	0.50	1	11/07/2020 13:29
Dibromomethane	ND	0.0510	0.50	1	11/07/2020 13:29
1,2-Dichlorobenzene	ND	0.0700	0.50	1	11/07/2020 13:29
1,3-Dichlorobenzene	ND	0.0840	0.50	1	11/07/2020 13:29
1,4-Dichlorobenzene	ND	0.0680	0.50	1	11/07/2020 13:29
Dichlorodifluoromethane	ND	0.140	0.50	1	11/07/2020 13:29
1,1-Dichloroethane	ND	0.0720	0.50	1	11/07/2020 13:29
1,2-Dichloroethane (1,2-DCA)	ND	0.0180	0.50	1	11/07/2020 13:29
1,1-Dichloroethene	ND	0.0150	0.50	1	11/07/2020 13:29
cis-1,2-Dichloroethene	ND	0.0690	0.50	1	11/07/2020 13:29
trans-1,2-Dichloroethene	ND	0.110	0.50	1	11/07/2020 13:29
1,2-Dichloropropane	ND	0.0110	0.50	1	11/07/2020 13:29
1,3-Dichloropropane	ND	0.0740	0.50	1	11/07/2020 13:29
2,2-Dichloropropane	ND	0.130	0.50	1	11/07/2020 13:29

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-12-GW	2010G44-009A	Water	10/29/2020 11:30	GC38 11072012.D	208988

Analytes	Result	MDL	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0850	0.50	1	11/07/2020 13:29
cis-1,3-Dichloropropene	ND	0.100	0.50	1	11/07/2020 13:29
trans-1,3-Dichloropropene	ND	0.130	0.50	1	11/07/2020 13:29
Diisopropyl ether (DIPE)	ND	0.0710	0.50	1	11/07/2020 13:29
Ethylbenzene	ND	0.0810	0.50	1	11/07/2020 13:29
Ethyl tert-butyl ether (ETBE)	ND	0.0630	0.50	1	11/07/2020 13:29
Freon 113	ND	0.0930	0.50	1	11/07/2020 13:29
Hexachlorobutadiene	ND	0.130	0.50	1	11/07/2020 13:29
Hexachloroethane	ND	0.0360	0.50	1	11/07/2020 13:29
2-Hexanone	ND	0.360	1.0	1	11/07/2020 13:29
Isopropylbenzene	ND	0.0900	0.50	1	11/07/2020 13:29
4-Isopropyl toluene	ND	0.0610	0.50	1	11/07/2020 13:29
Methyl-t-butyl ether (MTBE)	ND	0.120	0.50	1	11/07/2020 13:29
Methylene chloride	ND	1.00	2.0	1	11/07/2020 13:29
4-Methyl-2-pentanone (MIBK)	ND	0.140	0.50	1	11/07/2020 13:29
Naphthalene	ND	0.430	1.0	1	11/07/2020 13:29
n-Propyl benzene	ND	0.0900	0.50	1	11/07/2020 13:29
Styrene	ND	0.470	2.0	1	11/07/2020 13:29
1,1,1,2-Tetrachloroethane	ND	0.0820	0.50	1	11/07/2020 13:29
1,1,2,2-Tetrachloroethane	ND	0.0350	0.50	1	11/07/2020 13:29
Tetrachloroethene	ND	0.0790	0.50	1	11/07/2020 13:29
Toluene	ND	0.190	0.50	1	11/07/2020 13:29
1,2,3-Trichlorobenzene	ND	0.300	0.50	1	11/07/2020 13:29
1,2,4-Trichlorobenzene	ND	0.200	0.50	1	11/07/2020 13:29
1,1,1-Trichloroethane	ND	0.0740	0.50	1	11/07/2020 13:29
1,1,2-Trichloroethane	ND	0.150	0.50	1	11/07/2020 13:29
Trichloroethene	ND	0.190	0.50	1	11/07/2020 13:29
Trichlorofluoromethane	ND	0.0980	0.50	1	11/07/2020 13:29
1,2,3-Trichloropropane	ND	0.0250	0.50	1	11/07/2020 13:29
1,2,4-Trimethylbenzene	ND	0.0680	0.50	1	11/07/2020 13:29
1,3,5-Trimethylbenzene	ND	0.0820	0.50	1	11/07/2020 13:29
Vinyl Chloride	ND	0.0520	0.50	1	11/07/2020 13:29
m,p-Xylene	ND	0.150	0.50	1	11/07/2020 13:29
o-Xylene	ND	0.0700	0.50	1	11/07/2020 13:29
Xylenes, Total	ND	NA	0.50	1	11/07/2020 13:29

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-12-GW	**2010G44-009A**	**Water**	**10/29/2020 11:30**	**GC38 11072012.D**	**208988**

Analytes	Result	MDL	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	115	S	78-112	11/07/2020 13:29
Toluene-d8	113	S	82-109	11/07/2020 13:29
4-BFB	101		63-121	11/07/2020 13:29

Analyst(s): TW Analytical Comments: c2

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-15-GW	2010G44-010A	Water	10/29/2020 14:40	GC38 11072013.D	208988

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	ND		30.0	40	1	11/07/2020 14:06
tert-Amyl methyl ether (TAME)	ND		0.0610	0.50	1	11/07/2020 14:06
Benzene	**0.054**	J	0.0360	0.50	1	11/07/2020 14:06
Bromobenzene	ND		0.0970	0.50	1	11/07/2020 14:06
Bromochloromethane	ND		0.0720	0.50	1	11/07/2020 14:06
Bromodichloromethane	ND		0.0270	0.50	1	11/07/2020 14:06
Bromoform	ND		0.210	0.50	1	11/07/2020 14:06
Bromomethane	ND		0.270	0.50	1	11/07/2020 14:06
2-Butanone (MEK)	ND		2.10	5.0	1	11/07/2020 14:06
t-Butyl alcohol (TBA)	ND		2.20	5.0	1	11/07/2020 14:06
n-Butyl benzene	ND		0.0830	0.50	1	11/07/2020 14:06
sec-Butyl benzene	ND		0.0750	0.50	1	11/07/2020 14:06
tert-Butyl benzene	ND		0.0920	0.50	1	11/07/2020 14:06
Carbon Disulfide	ND		0.120	0.50	1	11/07/2020 14:06
Carbon Tetrachloride	ND		0.0470	0.50	1	11/07/2020 14:06
Chlorobenzene	ND		0.0870	0.50	1	11/07/2020 14:06
Chloroethane	ND		0.160	0.50	1	11/07/2020 14:06
Chloroform	ND		0.0850	0.50	1	11/07/2020 14:06
Chloromethane	ND		0.0960	0.50	1	11/07/2020 14:06
2-Chlorotoluene	ND		0.0890	0.50	1	11/07/2020 14:06
4-Chlorotoluene	ND		0.0890	0.50	1	11/07/2020 14:06
Dibromochloromethane	ND		0.0830	0.50	1	11/07/2020 14:06
1,2-Dibromo-3-chloropropane	ND		0.160	1.0	1	11/07/2020 14:06
1,2-Dibromoethane (EDB)	ND		0.0750	0.50	1	11/07/2020 14:06
Dibromomethane	ND		0.0510	0.50	1	11/07/2020 14:06
1,2-Dichlorobenzene	ND		0.0700	0.50	1	11/07/2020 14:06
1,3-Dichlorobenzene	ND		0.0840	0.50	1	11/07/2020 14:06
1,4-Dichlorobenzene	ND		0.0680	0.50	1	11/07/2020 14:06
Dichlorodifluoromethane	ND		0.140	0.50	1	11/07/2020 14:06
1,1-Dichloroethane	ND		0.0720	0.50	1	11/07/2020 14:06
1,2-Dichloroethane (1,2-DCA)	ND		0.0180	0.50	1	11/07/2020 14:06
1,1-Dichloroethene	ND		0.0150	0.50	1	11/07/2020 14:06
cis-1,2-Dichloroethene	ND		0.0690	0.50	1	11/07/2020 14:06
trans-1,2-Dichloroethene	ND		0.110	0.50	1	11/07/2020 14:06
1,2-Dichloropropane	ND		0.0110	0.50	1	11/07/2020 14:06
1,3-Dichloropropane	ND		0.0740	0.50	1	11/07/2020 14:06
2,2-Dichloropropane	ND		0.130	0.50	1	11/07/2020 14:06

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-15-GW	2010G44-010A	Water	10/29/2020 14:40	GC38 11072013.D	208988

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
1,1-Dichloropropene	ND		0.0850	0.50	1	11/07/2020 14:06
cis-1,3-Dichloropropene	ND		0.100	0.50	1	11/07/2020 14:06
trans-1,3-Dichloropropene	ND		0.130	0.50	1	11/07/2020 14:06
Diisopropyl ether (DIPE)	ND		0.0710	0.50	1	11/07/2020 14:06
Ethylbenzene	ND		0.0810	0.50	1	11/07/2020 14:06
Ethyl tert-butyl ether (ETBE)	ND		0.0630	0.50	1	11/07/2020 14:06
Freon 113	ND		0.0930	0.50	1	11/07/2020 14:06
Hexachlorobutadiene	ND		0.130	0.50	1	11/07/2020 14:06
Hexachloroethane	ND		0.0360	0.50	1	11/07/2020 14:06
2-Hexanone	ND		0.360	1.0	1	11/07/2020 14:06
Isopropylbenzene	ND		0.0900	0.50	1	11/07/2020 14:06
4-Isopropyl toluene	ND		0.0610	0.50	1	11/07/2020 14:06
Methyl-t-butyl ether (MTBE)	ND		0.120	0.50	1	11/07/2020 14:06
Methylene chloride	ND		1.00	2.0	1	11/07/2020 14:06
4-Methyl-2-pentanone (MIBK)	ND		0.140	0.50	1	11/07/2020 14:06
Naphthalene	ND		0.430	1.0	1	11/07/2020 14:06
n-Propyl benzene	ND		0.0900	0.50	1	11/07/2020 14:06
Styrene	ND		0.470	2.0	1	11/07/2020 14:06
1,1,1,2-Tetrachloroethane	ND		0.0820	0.50	1	11/07/2020 14:06
1,1,2,2-Tetrachloroethane	ND		0.0350	0.50	1	11/07/2020 14:06
Tetrachloroethene	ND		0.0790	0.50	1	11/07/2020 14:06
Toluene	ND		0.190	0.50	1	11/07/2020 14:06
1,2,3-Trichlorobenzene	ND		0.300	0.50	1	11/07/2020 14:06
1,2,4-Trichlorobenzene	ND		0.200	0.50	1	11/07/2020 14:06
1,1,1-Trichloroethane	ND		0.0740	0.50	1	11/07/2020 14:06
1,1,2-Trichloroethane	ND		0.150	0.50	1	11/07/2020 14:06
Trichloroethene	ND		0.190	0.50	1	11/07/2020 14:06
Trichlorofluoromethane	ND		0.0980	0.50	1	11/07/2020 14:06
1,2,3-Trichloropropane	ND		0.0250	0.50	1	11/07/2020 14:06
1,2,4-Trimethylbenzene	ND		0.0680	0.50	1	11/07/2020 14:06
1,3,5-Trimethylbenzene	ND		0.0820	0.50	1	11/07/2020 14:06
Vinyl Chloride	ND		0.0520	0.50	1	11/07/2020 14:06
m,p-Xylene	ND		0.150	0.50	1	11/07/2020 14:06
o-Xylene	ND		0.0700	0.50	1	11/07/2020 14:06
Xylenes, Total	ND		NA	0.50	1	11/07/2020 14:06

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-15-GW	2010G44-010A	Water	10/29/2020 14:40	GC38 11072013.D	208988

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	116	S	78-112	11/07/2020 14:06
Toluene-d8	113	S	82-109	11/07/2020 14:06
4-BFB	102		63-121	11/07/2020 14:06

Analyst(s): TW Analytical Comments: c2

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/02/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/kg

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-18-3	2010G44-006A	Soil	10/30/2020 14:50	GC38 11102013.D	208518

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	0.25	0.25	1	11/10/2020 14:50

Surrogates	REC (%)	Limits	
Dibromofluoromethane	111	66-116	11/10/2020 14:50
Benzene-D6	101	62-122	11/10/2020 14:50

Analyst(s): JEM

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW5030B
Date Prepared:	11/07/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-12-GW	2010G44-009A	Water	10/29/2020 11:30	GC38 11072012.D	208988

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	11	50	1	11/07/2020 13:29

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	S	78-112	11/07/2020 13:29

Analyst(s): TW Analytical Comments: c2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-15-GW	2010G44-010A	Water	10/29/2020 14:40	GC38 11072013.D	208988

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	11	50	1	11/07/2020 14:06

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	113	S	78-112	11/07/2020 14:06

Analyst(s): TW Analytical Comments: c2

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW3050B
Date Prepared:	11/02/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-16-1	2010G44-001A	Soil	10/29/2020 16:15	ICP-MS5 319SMPL.d	208485

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	ND		0.16	0.50	1	11/02/2020 21:21
Arsenic	**6.8**		0.15	0.50	1	11/02/2020 21:21
Barium	**180**		0.57	5.0	1	11/02/2020 21:21
Beryllium	**0.52**		0.073	0.50	1	11/02/2020 21:21
Cadmium	**0.24**	J	0.061	0.50	1	11/02/2020 21:21
Chromium	**52**		0.13	0.50	1	11/02/2020 21:21
Cobalt	**9.1**		0.052	0.50	1	11/02/2020 21:21
Copper	**17**		0.18	0.50	1	11/02/2020 21:21
Lead	**10**		0.14	0.50	1	11/02/2020 21:21
Mercury	**0.040**	J	0.032	0.050	1	11/02/2020 21:21
Molybdenum	**0.29**	J	0.16	0.50	1	11/02/2020 21:21
Nickel	**43**		0.17	0.50	1	11/02/2020 21:21
Selenium	**0.46**	J	0.15	0.50	1	11/02/2020 21:21
Silver	ND		0.12	0.50	1	11/02/2020 21:21
Thallium	**0.12**	J	0.067	0.50	1	11/02/2020 21:21
Vanadium	**49**		0.13	0.50	1	11/02/2020 21:21
Zinc	**50**		3.0	5.0	1	11/02/2020 21:21

Surrogates	REC (%)	Limits	
Terbium	97	70-130	11/02/2020 21:21

Analyst(s): DB

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW3050B
Date Prepared:	11/02/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-17-1	**2010G44-003A**	**Soil**	**10/30/2020 12:15**	**ICP-MS5 320SMPL.d**	**208485**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.16**	J	0.16	0.50	1	11/02/2020 21:24
Arsenic	**8.0**		0.15	0.50	1	11/02/2020 21:24
Barium	**200**		0.57	5.0	1	11/02/2020 21:24
Beryllium	**0.51**		0.073	0.50	1	11/02/2020 21:24
Cadmium	**0.28**	J	0.061	0.50	1	11/02/2020 21:24
Chromium	**49**		0.13	0.50	1	11/02/2020 21:24
Cobalt	**9.4**		0.052	0.50	1	11/02/2020 21:24
Copper	**16**		0.18	0.50	1	11/02/2020 21:24
Lead	**10**		0.14	0.50	1	11/02/2020 21:24
Mercury	ND		0.032	0.050	1	11/02/2020 21:24
Molybdenum	**0.35**	J	0.16	0.50	1	11/02/2020 21:24
Nickel	**44**		0.17	0.50	1	11/02/2020 21:24
Selenium	**0.49**	J	0.15	0.50	1	11/02/2020 21:24
Silver	**0.20**	J	0.12	0.50	1	11/02/2020 21:24
Thallium	**0.12**	J	0.067	0.50	1	11/02/2020 21:24
Vanadium	**46**		0.13	0.50	1	11/02/2020 21:24
Zinc	**49**		3.0	5.0	1	11/02/2020 21:24

Surrogates	REC (%)	Limits	
Terbium	97	70-130	11/02/2020 21:24

Analyst(s): DB

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW3050B
Date Prepared:	11/02/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-18-1	2010G44-005A	Soil	10/30/2020 14:40	ICP-MS5 321SMPL.d	208485

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	ND		0.16	0.50	1	11/02/2020 21:28
Arsenic	**6.9**		0.15	0.50	1	11/02/2020 21:28
Barium	**220**		0.57	5.0	1	11/02/2020 21:28
Beryllium	**0.43**	J	0.073	0.50	1	11/02/2020 21:28
Cadmium	**0.26**	J	0.061	0.50	1	11/02/2020 21:28
Chromium	**46**		0.13	0.50	1	11/02/2020 21:28
Cobalt	**9.5**		0.052	0.50	1	11/02/2020 21:28
Copper	**16**		0.18	0.50	1	11/02/2020 21:28
Lead	**7.0**		0.14	0.50	1	11/02/2020 21:28
Mercury	ND		0.032	0.050	1	11/02/2020 21:28
Molybdenum	**0.30**	J	0.16	0.50	1	11/02/2020 21:28
Nickel	**48**		0.17	0.50	1	11/02/2020 21:28
Selenium	**0.34**	J	0.15	0.50	1	11/02/2020 21:28
Silver	**0.15**	J	0.12	0.50	1	11/02/2020 21:28
Thallium	**0.10**	J	0.067	0.50	1	11/02/2020 21:28
Vanadium	**42**		0.13	0.50	1	11/02/2020 21:28
Zinc	**47**		3.0	5.0	1	11/02/2020 21:28

Surrogates	REC (%)	Limits	
Terbium	97	70-130	11/02/2020 21:28

Analyst(s): DB

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW3050B
Date Prepared:	11/02/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-19-1	2010G44-007A	Soil	10/30/2020 14:05	ICP-MS5 322SMPL.d	208485

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	ND		0.16	0.50	1	11/02/2020 21:31
Arsenic	**5.6**		0.15	0.50	1	11/02/2020 21:31
Barium	**170**		0.57	5.0	1	11/02/2020 21:31
Beryllium	**0.43**	J	0.073	0.50	1	11/02/2020 21:31
Cadmium	**0.28**	J	0.061	0.50	1	11/02/2020 21:31
Chromium	**44**		0.13	0.50	1	11/02/2020 21:31
Cobalt	**7.9**		0.052	0.50	1	11/02/2020 21:31
Copper	**13**		0.18	0.50	1	11/02/2020 21:31
Lead	**9.1**		0.14	0.50	1	11/02/2020 21:31
Mercury	**0.032**	J	0.032	0.050	1	11/02/2020 21:31
Molybdenum	**0.22**	J	0.16	0.50	1	11/02/2020 21:31
Nickel	**39**		0.17	0.50	1	11/02/2020 21:31
Selenium	**0.36**	J	0.15	0.50	1	11/02/2020 21:31
Silver	**0.14**	J	0.12	0.50	1	11/02/2020 21:31
Thallium	**0.10**	J	0.067	0.50	1	11/02/2020 21:31
Vanadium	**43**		0.13	0.50	1	11/02/2020 21:31
Zinc	**40**		3.0	5.0	1	11/02/2020 21:31

Surrogates	REC (%)	Limits	
Terbium	95	70-130	11/02/2020 21:31

Analyst(s): DB

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW3550B
Date Prepared:	11/02/2020	**Analytical Method:**	SW8015B
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-18-3	2010G44-006A	Soil	10/30/2020 14:50	GC11A 11022032.D	208520

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	0.75	1.0	1	11/02/2020 20:52
TPH-Motor Oil (C18-C36)	ND	3.9	5.0	1	11/02/2020 20:52

Surrogates	REC (%)	Limits	
C9	106	70-130	11/02/2020 20:52

Analyst(s): JIS

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	SW3510C
Date Prepared:	10/30/2020	**Analytical Method:**	SW8015B
Project:	2965.0014S000; Camino Ramon	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-12-GW	2010G44-009B	Water	10/29/2020 11:30	GC11A 11022026.D	208445

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	30	50	1	11/02/2020 18:56
TPH-Motor Oil (C18-C36)	ND	120	250	1	11/02/2020 18:56

Surrogates	REC (%)	Limits	
C9	100	70-130	11/02/2020 18:56

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-15-GW	2010G44-010B	Water	10/29/2020 14:40	GC11A 11022028.D	208445

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	30	50	1	11/02/2020 19:35
TPH-Motor Oil (C18-C36)	ND	120	250	1	11/02/2020 19:35

Surrogates	REC (%)	Limits	
C9	101	70-130	11/02/2020 19:35

Analyst(s): JIS

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.120	0.200	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.000740	0.00500	-	-	-
Benzene	ND	0.000870	0.00500	-	-	-
Bromobenzene	ND	0.000910	0.00500	-	-	-
Bromochloromethane	ND	0.000910	0.00500	-	-	-
Bromodichloromethane	ND	0.0000940	0.00500	-	-	-
Bromoform	ND	0.00390	0.00500	-	-	-
Bromomethane	ND	0.00250	0.00500	-	-	-
2-Butanone (MEK)	ND	0.0230	0.0500	-	-	-
t-Butyl alcohol (TBA)	ND	0.0230	0.0500	-	-	-
n-Butyl benzene	ND	0.00140	0.00500	-	-	-
sec-Butyl benzene	ND	0.00150	0.00500	-	-	-
tert-Butyl benzene	ND	0.00170	0.00500	-	-	-
Carbon Disulfide	ND	0.00150	0.00500	-	-	-
Carbon Tetrachloride	ND	0.000120	0.00500	-	-	-
Chlorobenzene	ND	0.000870	0.00500	-	-	-
Chloroethane	ND	0.00160	0.00500	-	-	-
Chloroform	ND	0.000190	0.00500	-	-	-
Chloromethane	ND	0.00170	0.00500	-	-	-
2-Chlorotoluene	ND	0.00130	0.00500	-	-	-
4-Chlorotoluene	ND	0.00100	0.00500	-	-	-
Dibromochloromethane	ND	0.000420	0.00500	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.000490	0.00500	-	-	-
1,2-Dibromoethane (EDB)	ND	0.000120	0.00500	-	-	-
Dibromomethane	ND	0.000950	0.00500	-	-	-
1,2-Dichlorobenzene	ND	0.00230	0.00500	-	-	-
1,3-Dichlorobenzene	ND	0.00100	0.00500	-	-	-
1,4-Dichlorobenzene	ND	0.00100	0.00500	-	-	-
Dichlorodifluoromethane	ND	0.00170	0.00500	-	-	-
1,1-Dichloroethane	ND	0.000810	0.00500	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0000710	0.00500	-	-	-
1,1-Dichloroethene	ND	0.0000690	0.00500	-	-	-
cis-1,2-Dichloroethene	ND	0.000750	0.00500	-	-	-
trans-1,2-Dichloroethene	ND	0.00120	0.00500	-	-	-
1,2-Dichloropropane	ND	0.000780	0.00500	-	-	-
1,3-Dichloropropane	ND	0.00100	0.00500	-	-	-
2,2-Dichloropropane	ND	0.00120	0.00500	-	-	-
1,1-Dichloropropene	ND	0.000960	0.00500	-	-	-

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.000660	0.00500	-	-	-
trans-1,3-Dichloropropene	ND	0.000670	0.00500	-	-	-
Diisopropyl ether (DIPE)	ND	0.000780	0.00500	-	-	-
Ethylbenzene	ND	0.00110	0.00500	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.000730	0.00500	-	-	-
Freon 113	ND	0.00110	0.00500	-	-	-
Hexachlorobutadiene	ND	0.00120	0.00500	-	-	-
Hexachloroethane	ND	0.000670	0.00500	-	-	-
2-Hexanone	ND	0.00430	0.00500	-	-	-
Isopropylbenzene	ND	0.00140	0.00500	-	-	-
4-Isopropyl toluene	ND	0.00130	0.00500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.00140	0.00500	-	-	-
Methylene chloride	ND	0.00580	0.0200	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00150	0.00500	-	-	-
Naphthalene	ND	0.00220	0.00500	-	-	-
n-Propyl benzene	ND	0.00160	0.00500	-	-	-
Styrene	ND	0.00120	0.00500	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.000280	0.00500	-	-	-
Tetrachloroethene	ND	0.000310	0.00500	-	-	-
Toluene	ND	0.00120	0.00500	-	-	-
1,2,3-Trichlorobenzene	ND	0.00170	0.00500	-	-	-
1,2,4-Trichlorobenzene	ND	0.00120	0.00500	-	-	-
1,1,1-Trichloroethane	ND	0.000840	0.00500	-	-	-
1,1,2-Trichloroethane	ND	0.000920	0.00500	-	-	-
Trichloroethene	ND	0.000810	0.00500	-	-	-
Trichlorofluoromethane	ND	0.00130	0.00500	-	-	-
1,2,3-Trichloropropane	ND	0.000150	0.00500	-	-	-
1,2,4-Trimethylbenzene	ND	0.00320	0.00500	-	-	-
1,3,5-Trimethylbenzene	ND	0.00120	0.00500	-	-	-
Vinyl Chloride	ND	0.000130	0.00500	-	-	-
m,p-Xylene	ND	0.00250	0.00500	-	-	-
o-Xylene	ND	0.00120	0.00500	-	-	-

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.139			0.125	111	66-112
Toluene-d8	0.151			0.125	121,F3	92-109
4-BFB	0.0166			0.0125	132,F3	72-112
Benzene-d6	0.118			0.1	118	81-126
Ethylbenzene-d10	0.120			0.1	121	92-138
1,2-DCB-d4	0.0966			0.1	97	68-108

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.178	0.181	0.20	89	90	59-127	1.57	20
tert-Amyl methyl ether (TAME)	0.0157	0.0162	0.020	79	81	54-98	2.86	20
Benzene	0.0179	0.0184	0.020	90	92	71-115	2.63	20
Bromobenzene	0.0202	0.0206	0.020	101	103	69-120	2.28	20
Bromochloromethane	0.0186	0.0197	0.020	93	99	63-117	5.69	20
Bromodichloromethane	0.0157	0.0162	0.020	79	81	61-109	2.91	20
Bromoform	0.0124	0.0128	0.020	62	64	46-87	2.93	20
Bromomethane	0.0136	0.0129	0.020	68	65	22-195	4.86	20
2-Butanone (MEK)	0.0598	0.0618	0.080	75	77	53-124	3.25	20
t-Butyl alcohol (TBA)	0.0509	0.0590	0.080	64	74	29-142	14.8	20
n-Butyl benzene	0.0253	0.0260	0.020	126	130	102-169	2.78	20
sec-Butyl benzene	0.0247	0.0254	0.020	123	127	100-166	2.64	20
tert-Butyl benzene	0.0231	0.0245	0.020	115	122	91-153	5.91	20
Carbon Disulfide	0.0178	0.0185	0.020	89	92	60-125	3.66	20
Carbon Tetrachloride	0.0162	0.0165	0.020	81	83	69-124	1.98	20
Chlorobenzene	0.0196	0.0204	0.020	98	102	73-116	3.81	20
Chloroethane	0.0139	0.0138	0.020	70	69	47-140	0.486	20
Chloroform	0.0178	0.0185	0.020	89	92	69-118	3.41	20
Chloromethane	0.0106	0.0107	0.020	53	53	30-132	0.675	20
2-Chlorotoluene	0.0220	0.0232	0.020	110	116	75-147	5.37	20
4-Chlorotoluene	0.0222	0.0230	0.020	111	115	75-137	3.51	20
Dibromochloromethane	0.0154	0.0159	0.020	77	80	57-105	3.51	20
1,2-Dibromo-3-chloropropane	0.00579	0.00612	0.010	58	61	36-103	5.55	20
1,2-Dibromoethane (EDB)	0.00882	0.00922	0.010	88	92	66-101	4.54	20
Dibromomethane	0.0160	0.0164	0.020	80	82	61-103	3.00	20
1,2-Dichlorobenzene	0.0169	0.0169	0.020	84	84	59-104	0.0948	20
1,3-Dichlorobenzene	0.0204	0.0209	0.020	102	105	70-133	2.52	20
1,4-Dichlorobenzene	0.0196	0.0200	0.020	98	100	68-123	2.08	20
Dichlorodifluoromethane	0.00305	0.00313	0.020	15	16	13-107	2.76	20
1,1-Dichloroethane	0.0181	0.0187	0.020	91	94	69-118	3.29	20
1,2-Dichloroethane (1,2-DCA)	0.0146	0.0149	0.020	73	75	59-112	2.12	20
1,1-Dichloroethene	0.0186	0.0191	0.020	93	95	69-126	2.44	20
cis-1,2-Dichloroethene	0.0190	0.0195	0.020	95	98	69-116	2.68	20
trans-1,2-Dichloroethene	0.0188	0.0196	0.020	94	98	73-116	4.29	20
1,2-Dichloropropane	0.0185	0.0191	0.020	92	96	65-111	3.33	20
1,3-Dichloropropane	0.0188	0.0197	0.020	94	98	67-110	4.70	20
2,2-Dichloropropane	0.0191	0.0196	0.020	95	98	65-125	2.75	20
1,1-Dichloropropene	0.0193	0.0199	0.020	97	99	70-123	2.64	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.0196	0.0204	0.020	98	102	68-126	4.04	20
trans-1,3-Dichloropropene	0.0180	0.0184	0.020	90	92	69-117	2.44	20
Diisopropyl ether (DIPE)	0.0176	0.0182	0.020	88	91	57-110	3.66	20
Ethylbenzene	0.0207	0.0213	0.020	103	106	80-128	2.82	20
Ethyl tert-butyl ether (ETBE)	0.0165	0.0172	0.020	82	86	54-106	4.18	20
Freon 113	0.0160	0.0165	0.020	80	83	60-108	3.46	20
Hexachlorobutadiene	0.0208	0.0219	0.020	104	110	67-182	5.09	20
Hexachloroethane	0.0209	0.0218	0.020	104	109	85-156	4.02	20
2-Hexanone	0.0126	0.0131	0.020	63	65	37-90	3.77	20
Isopropylbenzene	0.0240	0.0249	0.020	120	124	64-167	3.51	20
4-Isopropyl toluene	0.0243	0.0252	0.020	122	126	88-167	3.40	20
Methyl-t-butyl ether (MTBE)	0.0157	0.0162	0.020	79	81	60-102	3.30	20
Methylene chloride	0.0183	0.0186	0.020	92	93	71-117	1.39	20
4-Methyl-2-pentanone (MIBK)	0.0140	0.0140	0.020	70	70	48-90	0.242	20
Naphthalene	0.0107	0.0104	0.020	54	52	29-65	3.33	20
n-Propyl benzene	0.0242	0.0251	0.020	121	125	88-161	3.45	20
Styrene	0.0181	0.0182	0.020	91	91	70-108	0.687	20
1,1,1,2-Tetrachloroethane	0.0184	0.0192	0.020	92	96	69-117	4.01	20
1,1,2,2-Tetrachloroethane	0.0153	0.0156	0.020	76	78	53-96	2.11	20
Tetrachloroethene	0.0201	0.0209	0.020	100	104	78-128	4.02	20
Toluene	0.0210	0.0211	0.020	105	105	78-121	0.571	20
1,2,3-Trichlorobenzene	0.0125	0.0125	0.020	63	63	35-80	0.134	20
1,2,4-Trichlorobenzene	0.0156	0.0162	0.020	78	81	46-101	4.12	20
1,1,1-Trichloroethane	0.0173	0.0178	0.020	87	89	69-121	2.86	20
1,1,2-Trichloroethane	0.0175	0.0183	0.020	88	91	64-104	4.13	20
Trichloroethene	0.0189	0.0200	0.020	94	100	73-118	5.89	20
Trichlorofluoromethane	0.0147	0.0146	0.020	74	73	31-119	0.976	20
1,2,3-Trichloropropane	0.00853	0.00906	0.010	85	91	65-107	6.12	20
1,2,4-Trimethylbenzene	0.0222	0.0226	0.020	111	113	80-147	1.96	20
1,3,5-Trimethylbenzene	0.0233	0.0242	0.020	116	121	83-156	4.01	20
Vinyl Chloride	0.00643	0.00648	0.010	64	65	40-125	0.798	20
m,p-Xylene	0.0404	0.0410	0.040	101	102	80-122	1.30	20
o-Xylene	0.0185	0.0187	0.020	92	94	79-116	1.38	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.144	0.142	0.12	115,F3	113,F3	66-112	1.29	20
Toluene-d8	0.150	0.149	0.12	120,F3	119,F3	92-109	0.603	20
4-BFB	0.0155	0.0161	0.012	124,F3	129,F3	72-112	3.46	20
Benzene-d6	0.114	0.117	0.10	114	117	81-126	2.64	20
Ethylbenzene-d10	0.118	0.120	0.10	118	120	92-138	1.90	20
1,2-DCB-d4	0.0970	0.0995	0.10	97	99	68-108	2.58	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	30.0	40.0	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0610	0.500	-	-	-
Benzene	ND	0.0360	0.500	-	-	-
Bromobenzene	ND	0.0970	0.500	-	-	-
Bromochloromethane	ND	0.0720	0.500	-	-	-
Bromodichloromethane	ND	0.0270	0.500	-	-	-
Bromoform	ND	0.210	0.500	-	-	-
Bromomethane	ND	0.270	0.500	-	-	-
2-Butanone (MEK)	ND	2.10	5.00	-	-	-
t-Butyl alcohol (TBA)	ND	2.20	5.00	-	-	-
n-Butyl benzene	ND	0.0830	0.500	-	-	-
sec-Butyl benzene	ND	0.0750	0.500	-	-	-
tert-Butyl benzene	ND	0.0920	0.500	-	-	-
Carbon Disulfide	ND	0.120	0.500	-	-	-
Carbon Tetrachloride	ND	0.0470	0.500	-	-	-
Chlorobenzene	ND	0.0870	0.500	-	-	-
Chloroethane	ND	0.160	0.500	-	-	-
Chloroform	ND	0.0850	0.500	-	-	-
Chloromethane	ND	0.0960	0.500	-	-	-
2-Chlorotoluene	ND	0.0890	0.500	-	-	-
4-Chlorotoluene	ND	0.0890	0.500	-	-	-
Dibromochloromethane	ND	0.0830	0.500	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.160	1.00	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0750	0.500	-	-	-
Dibromomethane	ND	0.0510	0.500	-	-	-
1,2-Dichlorobenzene	ND	0.0700	0.500	-	-	-
1,3-Dichlorobenzene	ND	0.0840	0.500	-	-	-
1,4-Dichlorobenzene	ND	0.0680	0.500	-	-	-
Dichlorodifluoromethane	ND	0.140	0.500	-	-	-
1,1-Dichloroethane	ND	0.0720	0.500	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0180	0.500	-	-	-
1,1-Dichloroethene	ND	0.0150	0.500	-	-	-
cis-1,2-Dichloroethene	ND	0.0690	0.500	-	-	-
trans-1,2-Dichloroethene	ND	0.110	0.500	-	-	-
1,2-Dichloropropane	ND	0.0110	0.500	-	-	-
1,3-Dichloropropane	ND	0.0740	0.500	-	-	-
2,2-Dichloropropane	ND	0.130	0.500	-	-	-
1,1-Dichloropropene	ND	0.0850	0.500	-	-	-

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.100	0.500	-	-	-
trans-1,3-Dichloropropene	ND	0.130	0.500	-	-	-
Diisopropyl ether (DIPE)	ND	0.0710	0.500	-	-	-
Ethylbenzene	ND	0.0810	0.500	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0630	0.500	-	-	-
Freon 113	ND	0.0930	0.500	-	-	-
Hexachlorobutadiene	ND	0.130	0.500	-	-	-
Hexachloroethane	ND	0.0360	0.500	-	-	-
2-Hexanone	ND	0.360	1.00	-	-	-
Isopropylbenzene	ND	0.0900	0.500	-	-	-
4-Isopropyl toluene	ND	0.0610	0.500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.120	0.500	-	-	-
Methylene chloride	ND	1.00	2.00	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.140	0.500	-	-	-
Naphthalene	ND	0.430	1.00	-	-	-
n-Propyl benzene	ND	0.0900	0.500	-	-	-
Styrene	ND	0.470	2.00	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0820	0.500	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.0350	0.500	-	-	-
Tetrachloroethene	ND	0.0790	0.500	-	-	-
Toluene	ND	0.190	0.500	-	-	-
1,2,3-Trichlorobenzene	ND	0.300	0.500	-	-	-
1,2,4-Trichlorobenzene	ND	0.200	0.500	-	-	-
1,1,1-Trichloroethane	ND	0.0740	0.500	-	-	-
1,1,2-Trichloroethane	ND	0.150	0.500	-	-	-
Trichloroethene	ND	0.190	0.500	-	-	-
Trichlorofluoromethane	ND	0.0980	0.500	-	-	-
1,2,3-Trichloropropane	ND	0.0250	0.500	-	-	-
1,2,4-Trimethylbenzene	ND	0.0680	0.500	-	-	-
1,3,5-Trimethylbenzene	ND	0.0820	0.500	-	-	-
Vinyl Chloride	ND	0.0520	0.500	-	-	-
m,p-Xylene	ND	0.150	0.500	-	-	-
o-Xylene	ND	0.0700	0.500	-	-	-

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	28.6			25	114,F3	76-110
Toluene-d8	28.8			25	115,F3	84-111
4-BFB	2.55			2.5	102	64-121

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	31.9	29.7	40	80	74	32-138	7.12	20
tert-Amyl methyl ether (TAME)	3.60	3.37	4	90	84	62-119	6.52	20
Benzene	3.52	3.32	4	88	83	71-126	5.95	20
Bromobenzene	3.88	3.67	4	97	92	66-117	5.40	20
Bromochloromethane	3.74	3.51	4	94	88	67-124	6.37	20
Bromodichloromethane	3.76	3.52	4	94	88	63-119	6.60	20
Bromoform	3.08	2.83	4	77	71	46-117	8.71	20
Bromomethane	2.55	2.48	4	64	62	32-171	2.85	20
2-Butanone (MEK)	13.1	12.3	16	82	77	48-136	6.46	20
t-Butyl alcohol (TBA)	12.4	11.3	16	78	71	40-131	9.44	20
n-Butyl benzene	3.88	3.62	4	97	90	75-125	6.86	20
sec-Butyl benzene	4.01	3.83	4	100	96	72-120	4.59	20
tert-Butyl benzene	3.88	3.62	4	97	91	63-118	6.97	20
Carbon Disulfide	3.70	3.52	4	92	88	64-126	4.87	20
Carbon Tetrachloride	3.71	3.49	4	93	87	67-122	6.01	20
Chlorobenzene	3.71	3.48	4	93	87	71-117	6.64	20
Chloroethane	3.50	3.35	4	88	84	53-136	4.40	20
Chloroform	3.61	3.40	4	90	85	67-126	5.87	20
Chloromethane	3.21	3.06	4	80	76	42-148	4.96	20
2-Chlorotoluene	4.00	3.76	4	100	94	70-117	6.13	20
4-Chlorotoluene	3.93	3.70	4	98	92	67-117	6.14	20
Dibromochloromethane	3.34	3.08	4	83	77	52-120	8.16	20
1,2-Dibromo-3-chloropropane	1.62	1.52	2	81	76	38-128	5.87	20
1,2-Dibromoethane (EDB)	1.80	1.66	2	90	83	58-117	7.82	20
Dibromomethane	3.68	3.44	4	92	86	66-120	6.88	20
1,2-Dichlorobenzene	3.61	3.39	4	90	85	71-117	6.41	20
1,3-Dichlorobenzene	3.99	3.72	4	100	93	74-116	7.05	20
1,4-Dichlorobenzene	3.60	3.38	4	90	85	71-115	6.32	20
Dichlorodifluoromethane	3.19	3.00	4	80	75	29-145	6.27	20
1,1-Dichloroethane	3.59	3.38	4	90	85	68-128	5.93	20
1,2-Dichloroethane (1,2-DCA)	3.44	3.23	4	86	81	61-123	6.18	20
1,1-Dichloroethene	3.55	3.34	4	89	84	65-126	5.92	20
cis-1,2-Dichloroethene	3.62	3.44	4	90	86	71-122	4.98	20
trans-1,2-Dichloroethene	3.53	3.35	4	88	84	70-126	5.13	20
1,2-Dichloropropane	3.61	3.39	4	90	85	67-124	6.26	20
1,3-Dichloropropane	3.58	3.33	4	90	83	65-120	7.37	20
2,2-Dichloropropane	3.90	3.65	4	98	91	71-127	6.82	20
1,1-Dichloropropene	3.76	3.55	4	94	89	69-122	5.73	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	3.82	3.54	4	96	88	63-119	7.76	20
trans-1,3-Dichloropropene	3.66	3.38	4	91	85	63-116	7.86	20
Diisopropyl ether (DIPE)	3.54	3.33	4	88	83	64-128	6.14	20
Ethylbenzene	3.65	3.38	4	91	85	69-120	7.55	20
Ethyl tert-butyl ether (ETBE)	3.52	3.30	4	88	83	63-120	6.39	20
Freon 113	3.55	3.34	4	89	83	67-126	6.10	20
Hexachlorobutadiene	3.86	3.65	4	96	91	50-140	5.60	20
Hexachloroethane	3.52	3.30	4	88	83	52-122	6.29	20
2-Hexanone	3.08	2.81	4	77	70	39-121	9.29	20
Isopropylbenzene	3.91	3.66	4	98	91	69-120	6.59	20
4-Isopropyl toluene	3.89	3.60	4	97	90	72-122	7.75	20
Methyl-t-butyl ether (MTBE)	3.39	3.16	4	85	79	60-121	6.97	20
Methylene chloride	3.27	3.06	4	82	77	40-148	6.43	20
4-Methyl-2-pentanone (MIBK)	3.24	2.97	4	81	74	48-115	8.71	20
Naphthalene	3.49	3.25	4	87	81	62-124	7.08	20
n-Propyl benzene	4.02	3.82	4	101	96	70-118	5.01	20
Styrene	3.73	3.48	4	93	87	57-118	6.81	20
1,1,1,2-Tetrachloroethane	3.69	3.43	4	92	86	63-117	7.30	20
1,1,2,2-Tetrachloroethane	3.71	3.48	4	93	87	60-116	6.38	20
Tetrachloroethene	3.75	3.48	4	94	87	60-131	7.29	20
Toluene	3.49	3.29	4	87	82	67-115	6.00	20
1,2,3-Trichlorobenzene	3.49	3.27	4	87	82	60-128	6.62	20
1,2,4-Trichlorobenzene	3.56	3.34	4	89	83	61-133	6.27	20
1,1,1-Trichloroethane	3.78	3.58	4	95	89	67-124	5.71	20
1,1,2-Trichloroethane	3.51	3.25	4	88	81	62-117	7.81	20
Trichloroethene	3.60	3.39	4	90	85	69-120	6.01	20
Trichlorofluoromethane	3.49	3.32	4	87	83	60-134	5.02	20
1,2,3-Trichloropropane	1.72	1.61	2	86	80	56-120	6.65	20
1,2,4-Trimethylbenzene	3.89	3.64	4	97	91	67-124	6.73	20
1,3,5-Trimethylbenzene	3.91	3.67	4	98	92	69-122	6.35	20
Vinyl Chloride	1.89	1.81	2	94	90	52-145	4.25	20
m,p-Xylene	7.87	6.86	8	98	86	67-119	13.6	20
o-Xylene	3.79	3.50	4	95	88	68-120	7.86	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	27.4	27.6	25	110	110	76-110	0.659	20
Toluene-d8	29.0	28.8	25	116,F3	115,F3	84-111	0.612	20
4-BFB	2.68	2.68	2.5	107	107	64-121	0.0556	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208518
Date Analyzed:	11/02/2020 - 11/09/2020	**Extraction Method:**	SW5030B
Instrument:	GC28, GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208518

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.250	0.250	-	-	-
Surrogate Recovery						
Dibromofluoromethane	0.137			0.125	110	66-112
Benzene-D6	0.112			0.1	112	81-126

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	0.940	0.952	1	94	95	67-117	1.26	20
Surrogate Recovery								
Dibromofluoromethane	0.137	0.137	0.12	109	109	66-112	0.0870	20
Benzene-D6	0.112	0.112	0.10	112	112	81-126	0.130	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/07/2020	**BatchID:**	208988
Date Analyzed:	11/07/2020	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208988

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	11.0	50.0	-	-	-
Surrogate Recovery						
Dibromofluoromethane	28.0			25	112,F3	76-110

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	182	179	200	91	89	70-118	1.82	20
Surrogate Recovery								
Dibromofluoromethane	28.1	27.9	25	112,F3	112,F3	76-110	0.587	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208485
Date Analyzed:	11/02/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208485

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.160	0.500	-	-	-
Arsenic	ND	0.150	0.500	-	-	-
Barium	ND	0.570	5.00	-	-	-
Beryllium	ND	0.0730	0.500	-	-	-
Cadmium	ND	0.0610	0.500	-	-	-
Chromium	ND	0.130	0.500	-	-	-
Cobalt	ND	0.0520	0.500	-	-	-
Copper	ND	0.180	0.500	-	-	-
Lead	ND	0.140	0.500	-	-	-
Mercury	ND	0.0320	0.0500	-	-	-
Molybdenum	ND	0.160	0.500	-	-	-
Nickel	ND	0.170	0.500	-	-	-
Selenium	ND	0.150	0.500	-	-	-
Silver	ND	0.120	0.500	-	-	-
Thallium	ND	0.0670	0.500	-	-	-
Vanadium	ND	0.130	0.500	-	-	-
Zinc	ND	3.00	5.00	-	-	-
Surrogate Recovery						
Terbium	464			500	93	70-130

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208485
Date Analyzed:	11/02/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208485

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	52.9	50.8	50	106	102	75-125	4.06	20
Arsenic	53.2	52.1	50	106	104	75-125	1.95	20
Barium	523	506	500	105	101	75-125	3.31	20
Beryllium	49.2	48.2	50	98	96	75-125	2.12	20
Cadmium	51.1	50.8	50	102	102	75-125	0.657	20
Chromium	51.6	51.3	50	103	103	75-125	0.498	20
Cobalt	53.2	51.2	50	106	102	75-125	3.77	20
Copper	51.3	50.1	50	103	100	75-125	2.48	20
Lead	51.2	49.6	50	102	99	75-125	3.35	20
Mercury	1.22	1.16	1.25	98	93	75-125	5.54	20
Molybdenum	49.8	48.2	50	100	96	75-125	3.27	20
Nickel	50.9	50.2	50	102	100	75-125	1.31	20
Selenium	51.7	52.0	50	103	104	75-125	0.627	20
Silver	51.5	50.0	50	103	100	75-125	3.05	20
Thallium	52.0	50.5	50	104	101	75-125	2.99	20
Vanadium	52.0	51.8	50	104	104	75-125	0.341	20
Zinc	523	512	500	105	102	75-125	2.09	20
Surrogate Recovery								
Terbium	516	494	500	103	99	70-130	4.36	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/02/2020	**BatchID:**	208520
Date Analyzed:	11/02/2020	**Extraction Method:**	SW3550B
Instrument:	GC11A, GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208520 2010G44-006AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.750	1.00	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.90	5.00	-	-	-
Surrogate Recovery						
C9	24.0			25	96	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	37.9	37.6	40	95	94	70-130	0.882	20
Surrogate Recovery								
C9	23.8	23.8	25	95	95	70-130	0.245	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	34.9	35.1	40	ND	87	88	70-130	0.651	20
Surrogate Recovery										
C9	1	26.3	25.8	25		105	103	70-130	1.71	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	10/30/2020	**BatchID:**	208445
Date Analyzed:	10/30/2020	**Extraction Method:**	SW3510C
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-208445

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	30.0	50.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	120	250	-	-	-
Surrogate Recovery						
C9	611			625	98	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1110	1070	1000	111	107	70-130	3.82	20
Surrogate Recovery								
C9	598	592	625	96	95	70-130	0.979	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2010G44 **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Angela Cutting
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6031 FAX: (415) 967-6001

Email: acutting@rouxinc.com
cc/3rd Party: lhoward@rouxinc.com;
PO:
Project: 2965.0014S000; Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: **5 days;**

Date Received: **10/30/2020**
Date Logged: **10/30/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2010G44-001	RB-16-1	Soil	10/29/2020 16:15	☐					A	A						
2010G44-002	RB-16-3	Soil	10/29/2020 16:15	☑						A	A					
2010G44-003	RB-17-1	Soil	10/30/2020 12:15	☐					A	A						
2010G44-004	RB-17-3	Soil	10/30/2020 12:25	☑						A	A					
2010G44-005	RB-18-1	Soil	10/30/2020 14:40	☐					A	A						
2010G44-006	RB-18-3	Soil	10/30/2020 14:50	☐	A		A			A		A				
2010G44-007	RB-19-1	Soil	10/30/2020 14:05	☐					A	A						
2010G44-008	RB-19-3	Soil	10/30/2020 14:15	☑						A	A					
2010G44-009	RB-12-GW	Water	10/29/2020 11:30	☐		A		A		A			B			
2010G44-010	RB-15-GW	Water	10/29/2020 14:40	☐		A		A		A			B			

Test Legend:

1	8260B_S	2	8260B_W	3	8260GAS_S	4	8260GAS_W
5	CAM17MS_TTLC_S	6	PRDisposal Fee	7	PRHOLD	8	TPH(DMO)_S
9	TPH(DMO)_W	10		11		12	

Project Manager: Susan Thompson **Prepared by: Agustina Venegas**

The following SampID: 006A contains testgroup Gas8260_S.; The following SampIDs: 009A, 010A contain testgroup Gas8260_W.

Comments: Sample 006 taken off HOLD 11/2/2020 for TPHDMO, Gas+VOCs. Josh Fox no longer with Roux 11/09/2020 CAA

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Angela Cutting
Contact's Email: acutting@rouxinc.com

Project: 2965.0014S000; Camino Ramon

Comments: Sample 006 taken off HOLD 11/2/2020 for TPHDMO, Gas+VOCs. Josh Fox no longer with Roux 11/09/2020 CAA

Work Order: 2010G44
QC Level: LEVEL 2
Date Logged: 10/30/2020

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	DryWeight	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2010G44-001A	RB-16-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	10/29/2020 16:15	5 days		☐	
2010G44-003A	RB-17-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	10/30/2020 12:15	5 days		☐	
2010G44-005A	RB-18-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	10/30/2020 14:40	5 days		☐	
2010G44-006A	RB-18-3	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	10/30/2020 14:50	5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
2010G44-007A	RB-19-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	10/30/2020 14:05	5 days		☐	
2010G44-009A	RB-12-GW	Water	TPH(g) & 8260 by P&T GCMS	2	VOA w/ HCl	☐	10/29/2020 11:30	5 days	Present	☐	
2010G44-009B	RB-12-GW	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	10/29/2020 11:30	5 days	Present	☐	
2010G44-010A	RB-15-GW	Water	TPH(g) & 8260 by P&T GCMS	2	VOA w/ HCl	☐	10/29/2020 14:40	5 days	Present	☐	
2010G44-010B	RB-15-GW	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	10/29/2020 14:40	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 2010644

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF ● | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Josh Fox Bill To: Roux Accounting
Company: Roux Associates, Inc.
Email: JFox@rouxinc.com
Alt Email: lhoward@rouxinc.com Tele:
Project Name: Camino Ramon Project #: 2965.00145000
Project Location: San Ramon PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: VOCs 8260	TPH-g 8260	TPHd-MO 8015	CAM 17	HOLD
RB-16-1	10/29	1615	1	Soil	No				X	
RB-16-3	10/29	1615	1	Soil	No					X
RB-17-1	10/30	1215	1	Soil	No				X	
RB-17-3	10/30	1225	1	Soil	No					X
RB-18-1	10/30	1440	1	Soil	No				X	
RB-18-3	10/30	1450	1	Soil	No	*	*	*		X
RB-19-1	10/30	1405	1	Soil	No				X	
RB-19-3	10/30	1415	1	Soil	No					X
++ RB-12-GW	10/29	1130	4	water	yes	X	X	X		
++ RB-15-GW	10/29	1440	4	Water	yes	X	X	X		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions
* Added 11/2/2020

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Lucas Howard Roux	10/30			10/30/20	1617

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 5.7 °C Initials

Page ___ of ___

General COC

MAI Work Order # 2010644

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF ● | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Josh Fox Bill To: Roux Accounting
Company: Roux Associates, Inc.
Email: JFox@rouxinc.com
Alt Email: lhoward@rouxinc.com Tele:
Project Name: Camino Ramon Project #: 2965.00145000
Project Location: San Ramon PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: VOCs 8260	TPH-g 8260	TPHd-MO 8015	CAM 17	HOLD
RB-16-1	10/29	1615	1	Soil	No				X	
RB-16-3	10/29	1615	1	Soil	No					X
RB-17-1	10/30	1215	1	Soil	No				X	
RB-17-3	10/30	1225	1	Soil	No					X
RB-18-1	10/30	1440	1	Soil	No				X	
RB-18-3	10/30	1450	1	Soil	No					X
RB-19-1	10/30	1405	1	Soil	No				X	
RB-19-3	10/30	1415	1	Soil	No					X
RB-12-GW	10/29	1130	4	water	yes	X	X	X		
RB-15-GW	10/29	1440	4	Water	yes	X	X	X		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Lucas Howard Roux	10/30			10/30/20	1617

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 5.7 °C Initials

Page ___ of ___

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Sample Receipt Checklist

Client Name:	**Roux Associates, Inc.**	Date and Time Received:	**10/30/2020 16:17**
Project:	**2965.0014S000; Camino Ramon**	Date Logged:	**10/30/2020**
		Received by:	Lilly Ortiz
WorkOrder №:	**2010G44** Matrix: Soil/Water	Logged by:	Agustina Venegas
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp:				NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☑	No	☐	NA ☐
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2010G44 A

Report Created for: Roux Associates, Inc.

555 12th Street, Suite 250
Oakland, CA 94607

Project Contact: Angela Cutting
Project P.O.:
Project: 2965.0014S000; Camino Ramon

Project Received: 10/30/2020

Analytical Report reviewed & approved for release on 11/19/2020 by:

Christine Askari
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; Camino Ramon
WorkOrder: 2010G44 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Received:	10/30/2020 16:17	**Extraction Method:**	CA Title 22
Date Prepared:	11/14/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; Camino Ramon	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-16-1	2010G44-001A	Soil	10/29/2020 16:15	ICP-MS2 058SMPL.D	209396

Analytes	Result	MDL	RL	DF	Date Analyzed
Chromium	**0.11**	0.10	0.10	1	11/16/2020 19:24

Analyst(s): DB

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2010G44
Date Prepared:	11/14/2020	**BatchID:**	209396
Date Analyzed:	11/16/2020	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; Camino Ramon	**Sample ID:**	MB/LCS/LCSD-209396

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.100	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.99	9.98	10	100	100	75-125	0.142	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2010G44 A **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Angela Cutting
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 237-1316 FAX: (415) 967-6001

Email: acutting@rouxinc.com
cc/3rd Party: lhoward@rouxinc.com;
PO:
Project: 2965.0014S000; Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: 5 days;

Date Received: **10/30/2020**
Date Logged: **10/30/2020**
Date Add-On: **11/13/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2010G44-001	RB-16-1	Soil	10/29/2020 16:15	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Susan Thompson

Prepared by: Agustina Venegas

Add-On Prepared By: Maria Venegas

Comments: Sample 006 taken off HOLD 11/2/2020 for TPHDMO, Gas+VOCs. Josh Fox no longer with Roux 11/09/2020 CAA. STLC Cr added to 001 11/13/2020 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Angela Cutting
Contact's Email acutting@rouxinc.com

Project: 2965.0014S000; Camino Ramon
Comments: Sample 006 taken off HOLD 11/2/2020 for TPHDMO, Gas+VOCs. Josh Fox no longer with Roux 11/09/2020 CAA. STLC Cr added to 001 11/13/2020 STAT

Work Order: 2010G44
QC Level: LEVEL 2
Date Logged: 10/30/2020
Date Add-On: 11/13/2020

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2010G44-001A	RB-16-1	Soil	SW6020 (Chromium) (STLC)	1	8OZ GJ, Unpres	10/29/2020 16:15	5 days*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 2010644

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CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD ●	Quote #						
J-Flag / MDL		ESL		Cleanup Approved				Bottle Order #						
Delivery Format:	PDF ●		GeoTracker EDF		EDD		Write On (DW)		EQuIS					

Report To: Josh Fox Bill To: Roux Accounting
Company: Roux Associates, Inc.
Email: JFox@rouxinc.com
Alt Email: lhoward@rouxinc.com Tele:
Project Name: Camino Ramon Project #: 2965.00145000
Project Location: San Ramon PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Analysis Requested: VOCs 8260	TPH-g 8260	TPHd-MO 8015	CAM 17	STLC Cr	HOLD
RB-16-1	10/29	1615	1	Soil	No				X	X	
RB-16-3	10/29	1615	1	Soil	No						X
RB-17-1	10/30	1215	1	Soil	No				X		
RB-17-3	10/30	1225	1	Soil	No						X
RB-18-1	10/30	1440	1	Soil	No				X		
RB-18-3	10/30	1450	1	Soil	No	*	*	*			X
RB-19-1	10/30	1405	1	Soil	No				X		
RB-19-3	10/30	1415	1	Soil	No						X
RB-12-GW	10/29	1130	4	water	yes	X	X	X			
RB-15-GW	10/29	1440	4	Water	yes	X	X	X			

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Lucas Howard Roux	10/30			10/30/20	1617

Comments / Instructions
* Added 11/2/2020
Added 11/13/2020
STAT

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 5.7 °C Initials

Page ___ of ___

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 2009829

Report Created for: Roux Associates, Inc.

555 12th Street, Suite 250
Oakland, CA 94607

Project Contact: Josh Fox
Project P.O.:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Project Received: 09/16/2020

Analytical Report reviewed & approved for release on 09/25/2020 by:

Christine Askari
Project Manager

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009829

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009829

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
P	Agreement between quantitative confirmation results exceed method recommended limits
S	Surragote recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
c4	Surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
h7	Copper (EPA 3660B) cleanup

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-1	2009829-001A	Soil	09/16/2020 09:10	GC20 09172051.D	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 03:39
a-BHC	ND		0.00027	0.0010	1	09/18/2020 03:39
b-BHC	ND		0.000092	0.0010	1	09/18/2020 03:39
d-BHC	ND		0.00015	0.0010	1	09/18/2020 03:39
g-BHC	ND		0.00014	0.0010	1	09/18/2020 03:39
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 03:39
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 03:39
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 03:39
p,p-DDD	ND		0.00015	0.0010	1	09/18/2020 03:39
p,p-DDE	**0.00072**	J	0.00014	0.0010	1	09/18/2020 03:39
p,p-DDT	ND		0.00020	0.0010	1	09/18/2020 03:39
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 03:39
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 03:39
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 03:39
Endosulfan sulfate	ND		0.00013	0.0010	1	09/18/2020 03:39
Endrin	ND		0.00010	0.0010	1	09/18/2020 03:39
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 03:39
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 03:39
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 03:39
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 03:39
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 03:39
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 03:39
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 03:39
Toxaphene	ND		0.012	0.050	1	09/18/2020 03:39

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	95	69-143	09/18/2020 03:39

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-2-1	2009829-003A	Soil	09/16/2020 13:30	GC40 09182016.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 13:37
a-BHC	ND		0.00027	0.0010	1	09/18/2020 13:37
b-BHC	ND		0.000092	0.0010	1	09/18/2020 13:37
d-BHC	ND		0.00015	0.0010	1	09/18/2020 13:37
g-BHC	ND		0.00014	0.0010	1	09/18/2020 13:37
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 13:37
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 13:37
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 13:37
p,p-DDD	**0.00069**	J	0.00015	0.0010	1	09/18/2020 13:37
p,p-DDE	**0.018**		0.00014	0.0010	1	09/18/2020 13:37
p,p-DDT	**0.0013**		0.00020	0.0010	1	09/18/2020 13:37
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 13:37
Endosulfan I	**0.00019**	J	0.00013	0.0010	1	09/18/2020 13:37
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 13:37
Endosulfan sulfate	**0.00036**	J	0.00013	0.0010	1	09/18/2020 13:37
Endrin	ND		0.00010	0.0010	1	09/18/2020 13:37
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 13:37
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 13:37
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 13:37
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 13:37
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 13:37
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 13:37
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 13:37
Toxaphene	ND		0.012	0.050	1	09/18/2020 13:37

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	128	69-143	09/18/2020 13:37

Analyst(s): CN

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-3-1	2009829-005A	Soil	09/16/2020 13:10	GC23 09182075.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00024	0.0020	2	09/19/2020 07:42
a-BHC	ND		0.00054	0.0020	2	09/19/2020 07:42
b-BHC	ND		0.00018	0.0020	2	09/19/2020 07:42
d-BHC	ND		0.00030	0.0020	2	09/19/2020 07:42
g-BHC	ND		0.00028	0.0020	2	09/19/2020 07:42
Chlordane (Technical)	ND		0.0050	0.050	2	09/19/2020 07:42
a-Chlordane	ND		0.00024	0.0020	2	09/19/2020 07:42
g-Chlordane	ND		0.00020	0.0020	2	09/19/2020 07:42
p,p-DDD	**0.0059**	P	0.00030	0.0020	2	09/19/2020 07:42
p,p-DDE	**0.24**	P	0.00028	0.0020	2	09/19/2020 07:42
p,p-DDT	**0.11**		0.00040	0.0020	2	09/19/2020 07:42
Dieldrin	**0.00038**	J	0.00024	0.0020	2	09/19/2020 07:42
Endosulfan I	ND		0.00026	0.0020	2	09/19/2020 07:42
Endosulfan II	ND		0.00026	0.0020	2	09/19/2020 07:42
Endosulfan sulfate	**0.0022**		0.00026	0.0020	2	09/19/2020 07:42
Endrin	ND		0.00020	0.0020	2	09/19/2020 07:42
Endrin aldehyde	ND		0.00022	0.0020	2	09/19/2020 07:42
Endrin ketone	ND		0.00028	0.0020	2	09/19/2020 07:42
Heptachlor	ND		0.00034	0.0020	2	09/19/2020 07:42
Heptachlor epoxide	ND		0.00022	0.0020	2	09/19/2020 07:42
Hexachlorobenzene	ND		0.00058	0.020	2	09/19/2020 07:42
Hexachlorocyclopentadiene	ND		0.00072	0.040	2	09/19/2020 07:42
Methoxychlor	**0.0026**	P	0.00062	0.0020	2	09/19/2020 07:42
Toxaphene	ND		0.024	0.10	2	09/19/2020 07:42

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	102	69-143	09/19/2020 07:42

Analyst(s): BRV Analytical Comments: a3

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-1	2009829-007A	Soil	09/16/2020 08:10	GC20 09172052.D	205747

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00012	0.0010	1	09/18/2020 03:55
a-BHC	ND	0.00027	0.0010	1	09/18/2020 03:55
b-BHC	ND	0.000092	0.0010	1	09/18/2020 03:55
d-BHC	ND	0.00015	0.0010	1	09/18/2020 03:55
g-BHC	ND	0.00014	0.0010	1	09/18/2020 03:55
Chlordane (Technical)	ND	0.0025	0.025	1	09/18/2020 03:55
a-Chlordane	ND	0.00012	0.0010	1	09/18/2020 03:55
g-Chlordane	ND	0.000099	0.0010	1	09/18/2020 03:55
p,p-DDD	**0.0074**	0.00015	0.0010	1	09/18/2020 03:55
p,p-DDE	**0.93**	0.0014	0.010	10	09/21/2020 17:25
p,p-DDT	**0.12**	0.00020	0.0010	1	09/18/2020 03:55
Dieldrin	ND	0.00012	0.0010	1	09/18/2020 03:55
Endosulfan I	ND	0.00013	0.0010	1	09/18/2020 03:55
Endosulfan II	ND	0.00013	0.0010	1	09/18/2020 03:55
Endosulfan sulfate	ND	0.00013	0.0010	1	09/18/2020 03:55
Endrin	ND	0.00010	0.0010	1	09/18/2020 03:55
Endrin aldehyde	ND	0.00011	0.0010	1	09/18/2020 03:55
Endrin ketone	ND	0.00014	0.0010	1	09/18/2020 03:55
Heptachlor	ND	0.00017	0.0010	1	09/18/2020 03:55
Heptachlor epoxide	ND	0.00011	0.0010	1	09/18/2020 03:55
Hexachlorobenzene	ND	0.00029	0.010	1	09/18/2020 03:55
Hexachlorocyclopentadiene	ND	0.00036	0.020	1	09/18/2020 03:55
Methoxychlor	ND	0.00031	0.0010	1	09/18/2020 03:55
Toxaphene	ND	0.012	0.050	1	09/18/2020 03:55

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	100	69-143	09/18/2020 03:55

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-5-1	2009829-009A	Soil	09/16/2020 11:50	GC40 09182015.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 13:23
a-BHC	ND		0.00027	0.0010	1	09/18/2020 13:23
b-BHC	ND		0.000092	0.0010	1	09/18/2020 13:23
d-BHC	ND		0.00015	0.0010	1	09/18/2020 13:23
g-BHC	ND		0.00014	0.0010	1	09/18/2020 13:23
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 13:23
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 13:23
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 13:23
p,p-DDD	**0.0086**		0.00015	0.0010	1	09/18/2020 13:23
p,p-DDE	**0.22**		0.00014	0.0010	1	09/18/2020 13:23
p,p-DDT	**0.0021**	P	0.00020	0.0010	1	09/18/2020 13:23
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 13:23
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 13:23
Endosulfan II	**0.00042**	J	0.00013	0.0010	1	09/18/2020 13:23
Endosulfan sulfate	**0.0086**		0.00013	0.0010	1	09/18/2020 13:23
Endrin	ND		0.00010	0.0010	1	09/18/2020 13:23
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 13:23
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 13:23
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 13:23
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 13:23
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 13:23
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 13:23
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 13:23
Toxaphene	ND		0.012	0.050	1	09/18/2020 13:23

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	104	69-143	09/18/2020 13:23

Analyst(s): CN

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-6-1	2009829-011A	Soil	09/16/2020 11:10	GC40 09212070.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/22/2020 01:48
a-BHC	ND		0.00027	0.0010	1	09/22/2020 01:48
b-BHC	ND		0.000092	0.0010	1	09/22/2020 01:48
d-BHC	ND		0.00015	0.0010	1	09/22/2020 01:48
g-BHC	ND		0.00014	0.0010	1	09/22/2020 01:48
Chlordane (Technical)	ND		0.0025	0.025	1	09/22/2020 01:48
a-Chlordane	ND		0.00012	0.0010	1	09/22/2020 01:48
g-Chlordane	ND		0.000099	0.0010	1	09/22/2020 01:48
p,p-DDD	**0.0026**		0.00015	0.0010	1	09/22/2020 01:48
p,p-DDE	**0.090**		0.00014	0.0010	1	09/22/2020 01:48
p,p-DDT	**0.0059**		0.00020	0.0010	1	09/22/2020 01:48
Dieldrin	ND		0.00012	0.0010	1	09/22/2020 01:48
Endosulfan I	**0.00028**	J	0.00013	0.0010	1	09/22/2020 01:48
Endosulfan II	**0.00036**	JP	0.00013	0.0010	1	09/22/2020 01:48
Endosulfan sulfate	**0.00030**	JP	0.00013	0.0010	1	09/22/2020 01:48
Endrin	ND		0.00010	0.0010	1	09/22/2020 01:48
Endrin aldehyde	ND		0.00011	0.0010	1	09/22/2020 01:48
Endrin ketone	ND		0.00014	0.0010	1	09/22/2020 01:48
Heptachlor	ND		0.00017	0.0010	1	09/22/2020 01:48
Heptachlor epoxide	ND		0.00011	0.0010	1	09/22/2020 01:48
Hexachlorobenzene	ND		0.00029	0.010	1	09/22/2020 01:48
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/22/2020 01:48
Methoxychlor	ND		0.00031	0.0010	1	09/22/2020 01:48
Toxaphene	ND		0.012	0.050	1	09/22/2020 01:48

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	109	69-143	09/22/2020 01:48

Analyst(s): CN Analytical Comments: h7

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-7-1	2009829-013A	Soil	09/16/2020 14:10	GC20 09172053.D	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 04:10
a-BHC	ND		0.00027	0.0010	1	09/18/2020 04:10
b-BHC	ND		0.000092	0.0010	1	09/18/2020 04:10
d-BHC	ND		0.00015	0.0010	1	09/18/2020 04:10
g-BHC	ND		0.00014	0.0010	1	09/18/2020 04:10
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 04:10
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 04:10
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 04:10
p,p-DDD	**0.00074**	J	0.00015	0.0010	1	09/18/2020 04:10
p,p-DDE	**0.030**		0.00014	0.0010	1	09/18/2020 04:10
p,p-DDT	**0.0028**		0.00020	0.0010	1	09/18/2020 04:10
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 04:10
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 04:10
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 04:10
Endosulfan sulfate	ND		0.00013	0.0010	1	09/18/2020 04:10
Endrin	ND		0.00010	0.0010	1	09/18/2020 04:10
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 04:10
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 04:10
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 04:10
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 04:10
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 04:10
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 04:10
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 04:10
Toxaphene	ND		0.012	0.050	1	09/18/2020 04:10

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	101	69-143	09/18/2020 04:10

Analyst(s): CK

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-8-1	2009829-015A	Soil	09/16/2020 14:50	GC23 09182076.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00024	0.0020	2	09/19/2020 07:57
a-BHC	ND		0.00054	0.0020	2	09/19/2020 07:57
b-BHC	ND		0.00018	0.0020	2	09/19/2020 07:57
d-BHC	ND		0.00030	0.0020	2	09/19/2020 07:57
g-BHC	ND		0.00028	0.0020	2	09/19/2020 07:57
Chlordane (Technical)	ND		0.0050	0.050	2	09/19/2020 07:57
a-Chlordane	ND		0.00024	0.0020	2	09/19/2020 07:57
g-Chlordane	ND		0.00020	0.0020	2	09/19/2020 07:57
p,p-DDD	**0.0027**		0.00030	0.0020	2	09/19/2020 07:57
p,p-DDE	**0.094**		0.00028	0.0020	2	09/19/2020 07:57
p,p-DDT	**0.018**		0.00040	0.0020	2	09/19/2020 07:57
Dieldrin	**0.00078**	JP	0.00024	0.0020	2	09/19/2020 07:57
Endosulfan I	ND		0.00026	0.0020	2	09/19/2020 07:57
Endosulfan II	ND		0.00026	0.0020	2	09/19/2020 07:57
Endosulfan sulfate	**0.0022**	P	0.00026	0.0020	2	09/19/2020 07:57
Endrin	ND		0.00020	0.0020	2	09/19/2020 07:57
Endrin aldehyde	ND		0.00022	0.0020	2	09/19/2020 07:57
Endrin ketone	ND		0.00028	0.0020	2	09/19/2020 07:57
Heptachlor	ND		0.00034	0.0020	2	09/19/2020 07:57
Heptachlor epoxide	ND		0.00022	0.0020	2	09/19/2020 07:57
Hexachlorobenzene	ND		0.00058	0.020	2	09/19/2020 07:57
Hexachlorocyclopentadiene	ND		0.00072	0.040	2	09/19/2020 07:57
Methoxychlor	ND		0.00062	0.0020	2	09/19/2020 07:57
Toxaphene	ND		0.024	0.10	2	09/19/2020 07:57

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	179	S	69-143	09/19/2020 07:57

Analyst(s): BRV Analytical Comments: a3,c4

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	2009829-017A	Soil	09/16/2020 15:20	GC23 09182077.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.0012	0.010	10	09/19/2020 08:13
a-BHC	ND		0.0027	0.010	10	09/19/2020 08:13
b-BHC	ND		0.00092	0.010	10	09/19/2020 08:13
d-BHC	ND		0.0015	0.010	10	09/19/2020 08:13
g-BHC	ND		0.0014	0.010	10	09/19/2020 08:13
Chlordane (Technical)	ND		0.025	0.25	10	09/19/2020 08:13
a-Chlordane	ND		0.0012	0.010	10	09/19/2020 08:13
g-Chlordane	ND		0.00099	0.010	10	09/19/2020 08:13
p,p-DDD	**0.0044**	J	0.0015	0.010	10	09/19/2020 08:13
p,p-DDE	**0.11**		0.0014	0.010	10	09/19/2020 08:13
p,p-DDT	**0.026**		0.0020	0.010	10	09/19/2020 08:13
Dieldrin	ND		0.0012	0.010	10	09/19/2020 08:13
Endosulfan I	ND		0.0013	0.010	10	09/19/2020 08:13
Endosulfan II	ND		0.0013	0.010	10	09/19/2020 08:13
Endosulfan sulfate	ND		0.0013	0.010	10	09/19/2020 08:13
Endrin	ND		0.0010	0.010	10	09/19/2020 08:13
Endrin aldehyde	ND		0.0011	0.010	10	09/19/2020 08:13
Endrin ketone	ND		0.0014	0.010	10	09/19/2020 08:13
Heptachlor	ND		0.0017	0.010	10	09/19/2020 08:13
Heptachlor epoxide	ND		0.0011	0.010	10	09/19/2020 08:13
Hexachlorobenzene	ND		0.0029	0.10	10	09/19/2020 08:13
Hexachlorocyclopentadiene	ND		0.0036	0.20	10	09/19/2020 08:13
Methoxychlor	ND		0.0031	0.010	10	09/19/2020 08:13
Toxaphene	ND		0.12	0.50	10	09/19/2020 08:13

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	69-143	09/19/2020 08:13

Analyst(s): BRV Analytical Comments: a3

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-10-1	2009829-019A	Soil	09/16/2020 10:10	GC20 09172054.D	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 04:25
a-BHC	ND		0.00027	0.0010	1	09/18/2020 04:25
b-BHC	ND		0.000092	0.0010	1	09/18/2020 04:25
d-BHC	ND		0.00015	0.0010	1	09/18/2020 04:25
g-BHC	ND		0.00014	0.0010	1	09/18/2020 04:25
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 04:25
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 04:25
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 04:25
p,p-DDD	ND		0.00015	0.0010	1	09/18/2020 04:25
p,p-DDE	**0.00057**	JP	0.00014	0.0010	1	09/18/2020 04:25
p,p-DDT	**0.00025**	JP	0.00020	0.0010	1	09/18/2020 04:25
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 04:25
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 04:25
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 04:25
Endosulfan sulfate	ND		0.00013	0.0010	1	09/18/2020 04:25
Endrin	ND		0.00010	0.0010	1	09/18/2020 04:25
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 04:25
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 04:25
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 04:25
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 04:25
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 04:25
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 04:25
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 04:25
Toxaphene	ND		0.012	0.050	1	09/18/2020 04:25

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	94	69-143	09/18/2020 04:25

Analyst(s): CK

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-1	2009829-001A	Soil	09/16/2020 09:10	ICP-MS4 126SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.27**	J	0.16	0.50	1	09/18/2020 09:52
Arsenic	**5.6**		0.15	0.50	1	09/18/2020 09:52
Barium	**190**		0.57	5.0	1	09/18/2020 09:52
Beryllium	**0.52**		0.073	0.50	1	09/18/2020 09:52
Cadmium	**0.14**	J	0.061	0.50	1	09/18/2020 09:52
Chromium	**48**		0.13	0.50	1	09/18/2020 09:52
Cobalt	**8.5**		0.052	0.50	1	09/18/2020 09:52
Copper	**14**	B	0.18	0.50	1	09/18/2020 09:52
Lead	**5.6**		0.14	0.50	1	09/18/2020 09:52
Mercury	**0.049**	J	0.032	0.050	1	09/18/2020 09:52
Molybdenum	**0.22**	J	0.16	0.50	1	09/18/2020 09:52
Nickel	**49**		0.17	0.50	1	09/18/2020 09:52
Selenium	**0.84**		0.15	0.50	1	09/18/2020 09:52
Silver	ND		0.12	0.50	1	09/18/2020 09:52
Thallium	**0.093**	J	0.067	0.50	1	09/18/2020 09:52
Vanadium	**51**		0.13	0.50	1	09/18/2020 09:52
Zinc	**45**		3.0	5.0	1	09/18/2020 09:52

Surrogates	REC (%)	Limits	
Terbium	105	70-130	09/18/2020 09:52

Analyst(s): DB

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-2-1	2009829-003A	Soil	09/16/2020 13:30	ICP-MS4 214SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.20**	J	0.16	0.50	1	09/18/2020 20:28
Arsenic	**4.6**		0.15	0.50	1	09/18/2020 20:28
Barium	**170**		0.57	5.0	1	09/18/2020 20:28
Beryllium	**0.42**	J	0.073	0.50	1	09/18/2020 20:28
Cadmium	**0.13**	J	0.061	0.50	1	09/18/2020 20:28
Chromium	**41**		0.13	0.50	1	09/18/2020 20:28
Cobalt	**7.0**		0.052	0.50	1	09/18/2020 20:28
Copper	**15**	B	0.18	0.50	1	09/18/2020 20:28
Lead	**7.2**		0.14	0.50	1	09/18/2020 20:28
Mercury	ND		0.032	0.050	1	09/18/2020 20:28
Molybdenum	**0.25**	J	0.16	0.50	1	09/18/2020 20:28
Nickel	**42**		0.17	0.50	1	09/18/2020 20:28
Selenium	**0.62**		0.15	0.50	1	09/18/2020 20:28
Silver	ND		0.12	0.50	1	09/18/2020 20:28
Thallium	**0.085**	J	0.067	0.50	1	09/18/2020 20:28
Vanadium	**42**		0.13	0.50	1	09/18/2020 20:28
Zinc	**40**		3.0	5.0	1	09/18/2020 20:28

Surrogates	REC (%)	Limits	
Terbium	109	70-130	09/18/2020 20:28

Analyst(s): WV

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-3-1	2009829-005A	Soil	09/16/2020 13:10	ICP-MS4 215SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.21**	J	0.16	0.50	1	09/18/2020 20:32
Arsenic	**9.0**		0.15	0.50	1	09/18/2020 20:32
Barium	**170**		0.57	5.0	1	09/18/2020 20:32
Beryllium	**0.43**	J	0.073	0.50	1	09/18/2020 20:32
Cadmium	**0.15**	J	0.061	0.50	1	09/18/2020 20:32
Chromium	**43**		0.13	0.50	1	09/18/2020 20:32
Cobalt	**7.8**		0.052	0.50	1	09/18/2020 20:32
Copper	**18**	B	0.18	0.50	1	09/18/2020 20:32
Lead	**20**		0.14	0.50	1	09/18/2020 20:32
Mercury	**0.049**	J	0.032	0.050	1	09/18/2020 20:32
Molybdenum	**0.26**	J	0.16	0.50	1	09/18/2020 20:32
Nickel	**42**		0.17	0.50	1	09/18/2020 20:32
Selenium	**0.63**		0.15	0.50	1	09/18/2020 20:32
Silver	ND		0.12	0.50	1	09/18/2020 20:32
Thallium	**0.095**	J	0.067	0.50	1	09/18/2020 20:32
Vanadium	**43**		0.13	0.50	1	09/18/2020 20:32
Zinc	**44**		3.0	5.0	1	09/18/2020 20:32

Surrogates	REC (%)	Limits	
Terbium	103	70-130	09/18/2020 20:32

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-1	2009829-007A	Soil	09/16/2020 08:10	ICP-MS4 216SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.25**	J	0.16	0.50	1	09/18/2020 20:35
Arsenic	**13**		0.15	0.50	1	09/18/2020 20:35
Barium	**180**		0.57	5.0	1	09/18/2020 20:35
Beryllium	**0.46**	J	0.073	0.50	1	09/18/2020 20:35
Cadmium	**0.26**	J	0.061	0.50	1	09/18/2020 20:35
Chromium	**42**		0.13	0.50	1	09/18/2020 20:35
Cobalt	**8.0**		0.052	0.50	1	09/18/2020 20:35
Copper	**20**	B	0.18	0.50	1	09/18/2020 20:35
Lead	**41**		0.14	0.50	1	09/18/2020 20:35
Mercury	ND		0.032	0.050	1	09/18/2020 20:35
Molybdenum	**0.30**	J	0.16	0.50	1	09/18/2020 20:35
Nickel	**39**		0.17	0.50	1	09/18/2020 20:35
Selenium	**0.85**		0.15	0.50	1	09/18/2020 20:35
Silver	ND		0.12	0.50	1	09/18/2020 20:35
Thallium	**0.10**	J	0.067	0.50	1	09/18/2020 20:35
Vanadium	**43**		0.13	0.50	1	09/18/2020 20:35
Zinc	**50**		3.0	5.0	1	09/18/2020 20:35

Surrogates	REC (%)	Limits	
Terbium	109	70-130	09/18/2020 20:35

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-5-1	2009829-009A	Soil	09/16/2020 11:50	ICP-MS4 217SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.21**	J	0.16	0.50	1	09/18/2020 20:38
Arsenic	**7.7**		0.15	0.50	1	09/18/2020 20:38
Barium	**170**		0.57	5.0	1	09/18/2020 20:38
Beryllium	**0.40**	J	0.073	0.50	1	09/18/2020 20:38
Cadmium	**0.20**	J	0.061	0.50	1	09/18/2020 20:38
Chromium	**44**		0.13	0.50	1	09/18/2020 20:38
Cobalt	**8.0**		0.052	0.50	1	09/18/2020 20:38
Copper	**22**	B	0.18	0.50	1	09/18/2020 20:38
Lead	**17**		0.14	0.50	1	09/18/2020 20:38
Mercury	ND		0.032	0.050	1	09/18/2020 20:38
Molybdenum	**0.34**	J	0.16	0.50	1	09/18/2020 20:38
Nickel	**49**		0.17	0.50	1	09/18/2020 20:38
Selenium	**0.80**		0.15	0.50	1	09/18/2020 20:38
Silver	ND		0.12	0.50	1	09/18/2020 20:38
Thallium	**0.086**	J	0.067	0.50	1	09/18/2020 20:38
Vanadium	**41**		0.13	0.50	1	09/18/2020 20:38
Zinc	**48**		3.0	5.0	1	09/18/2020 20:38

Surrogates	REC (%)	Limits	
Terbium	108	70-130	09/18/2020 20:38

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-6-1	2009829-011A	Soil	09/16/2020 11:10	ICP-MS4 218SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.18**	J	0.16	0.50	1	09/18/2020 20:42
Arsenic	**7.1**		0.15	0.50	1	09/18/2020 20:42
Barium	**180**		0.57	5.0	1	09/18/2020 20:42
Beryllium	**0.40**	J	0.073	0.50	1	09/18/2020 20:42
Cadmium	**0.16**	J	0.061	0.50	1	09/18/2020 20:42
Chromium	**40**		0.13	0.50	1	09/18/2020 20:42
Cobalt	**7.1**		0.052	0.50	1	09/18/2020 20:42
Copper	**14**	B	0.18	0.50	1	09/18/2020 20:42
Lead	**10**		0.14	0.50	1	09/18/2020 20:42
Mercury	ND		0.032	0.050	1	09/18/2020 20:42
Molybdenum	**0.30**	J	0.16	0.50	1	09/18/2020 20:42
Nickel	**39**		0.17	0.50	1	09/18/2020 20:42
Selenium	**0.62**		0.15	0.50	1	09/18/2020 20:42
Silver	ND		0.12	0.50	1	09/18/2020 20:42
Thallium	**0.091**	J	0.067	0.50	1	09/18/2020 20:42
Vanadium	**40**		0.13	0.50	1	09/18/2020 20:42
Zinc	**43**		3.0	5.0	1	09/18/2020 20:42

Surrogates	REC (%)	Limits	
Terbium	107	70-130	09/18/2020 20:42

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-7-1	2009829-013A	Soil	09/16/2020 14:10	ICP-MS4 219SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.19**	J	0.16	0.50	1	09/18/2020 20:45
Arsenic	**4.7**		0.15	0.50	1	09/18/2020 20:45
Barium	**160**		0.57	5.0	1	09/18/2020 20:45
Beryllium	**0.47**	J	0.073	0.50	1	09/18/2020 20:45
Cadmium	**0.13**	J	0.061	0.50	1	09/18/2020 20:45
Chromium	**40**		0.13	0.50	1	09/18/2020 20:45
Cobalt	**6.2**		0.052	0.50	1	09/18/2020 20:45
Copper	**15**	B	0.18	0.50	1	09/18/2020 20:45
Lead	**12**		0.14	0.50	1	09/18/2020 20:45
Mercury	ND		0.032	0.050	1	09/18/2020 20:45
Molybdenum	**0.24**	J	0.16	0.50	1	09/18/2020 20:45
Nickel	**37**		0.17	0.50	1	09/18/2020 20:45
Selenium	**0.63**		0.15	0.50	1	09/18/2020 20:45
Silver	ND		0.12	0.50	1	09/18/2020 20:45
Thallium	**0.10**	J	0.067	0.50	1	09/18/2020 20:45
Vanadium	**38**		0.13	0.50	1	09/18/2020 20:45
Zinc	**42**		3.0	5.0	1	09/18/2020 20:45

Surrogates	REC (%)	Limits	
Terbium	107	70-130	09/18/2020 20:45

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-8-1	2009829-015A	Soil	09/16/2020 14:50	ICP-MS4 220SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.24**	J	0.16	0.50	1	09/18/2020 20:49
Arsenic	**5.7**		0.15	0.50	1	09/18/2020 20:49
Barium	**160**		0.57	5.0	1	09/18/2020 20:49
Beryllium	**0.36**	J	0.073	0.50	1	09/18/2020 20:49
Cadmium	**0.13**	J	0.061	0.50	1	09/18/2020 20:49
Chromium	**45**		0.13	0.50	1	09/18/2020 20:49
Cobalt	**8.7**		0.052	0.50	1	09/18/2020 20:49
Copper	**21**	B	0.18	0.50	1	09/18/2020 20:49
Lead	**9.1**		0.14	0.50	1	09/18/2020 20:49
Mercury	ND		0.032	0.050	1	09/18/2020 20:49
Molybdenum	**0.34**	J	0.16	0.50	1	09/18/2020 20:49
Nickel	**53**		0.17	0.50	1	09/18/2020 20:49
Selenium	**0.78**		0.15	0.50	1	09/18/2020 20:49
Silver	ND		0.12	0.50	1	09/18/2020 20:49
Thallium	**0.085**	J	0.067	0.50	1	09/18/2020 20:49
Vanadium	**43**		0.13	0.50	1	09/18/2020 20:49
Zinc	**46**		3.0	5.0	1	09/18/2020 20:49

Surrogates	REC (%)	Limits	
Terbium	121	70-130	09/18/2020 20:49

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	**2009829-017A**	**Soil**	**09/16/2020 15:20**	**ICP-MS4 224SMPL.d**	**205752**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.36**	J	0.16	0.50	1	09/18/2020 21:02
Arsenic	**13**		0.15	0.50	1	09/18/2020 21:02
Barium	**190**		0.57	5.0	1	09/18/2020 21:02
Beryllium	**0.47**	J	0.073	0.50	1	09/18/2020 21:02
Cadmium	**0.18**	J	0.061	0.50	1	09/18/2020 21:02
Chromium	**71**		0.13	0.50	1	09/18/2020 21:02
Cobalt	**9.6**		0.052	0.50	1	09/18/2020 21:02
Copper	**29**	B	0.18	0.50	1	09/18/2020 21:02
Lead	**17**		0.14	0.50	1	09/18/2020 21:02
Mercury	**0.043**	J	0.032	0.050	1	09/18/2020 21:02
Molybdenum	**0.44**	J	0.16	0.50	1	09/18/2020 21:02
Nickel	**56**		0.17	0.50	1	09/18/2020 21:02
Selenium	**0.81**		0.15	0.50	1	09/18/2020 21:02
Silver	ND		0.12	0.50	1	09/18/2020 21:02
Thallium	**0.10**	J	0.067	0.50	1	09/18/2020 21:02
Vanadium	**45**		0.13	0.50	1	09/18/2020 21:02
Zinc	**51**		3.0	5.0	1	09/18/2020 21:02

Surrogates	REC (%)	Limits	
Terbium	111	70-130	09/18/2020 21:02

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-10-1	2009829-019A	Soil	09/16/2020 10:10	ICP-MS5 115SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.22**	J	0.16	0.50	1	09/18/2020 15:43
Arsenic	**4.9**		0.15	0.50	1	09/18/2020 15:43
Barium	**200**		0.57	5.0	1	09/18/2020 15:43
Beryllium	**0.52**		0.073	0.50	1	09/18/2020 15:43
Cadmium	**0.24**	J	0.061	0.50	1	09/18/2020 15:43
Chromium	**45**		0.13	0.50	1	09/18/2020 15:43
Cobalt	**8.2**		0.052	0.50	1	09/18/2020 15:43
Copper	**14**	B	0.18	0.50	1	09/18/2020 15:43
Lead	**6.0**		0.14	0.50	1	09/18/2020 15:43
Mercury	**0.034**	J	0.032	0.050	1	09/18/2020 15:43
Molybdenum	**0.23**	J	0.16	0.50	1	09/18/2020 15:43
Nickel	**43**		0.17	0.50	1	09/18/2020 15:43
Selenium	**0.32**	J	0.15	0.50	1	09/18/2020 15:43
Silver	ND		0.12	0.50	1	09/18/2020 15:43
Thallium	**0.14**	J	0.067	0.50	1	09/18/2020 15:43
Vanadium	**47**		0.13	0.50	1	09/18/2020 15:43
Zinc	**44**		3.0	5.0	1	09/18/2020 15:43

Surrogates	REC (%)	Limits	
Terbium	106	70-130	09/18/2020 15:43

Analyst(s): MIG

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205747
Date Analyzed:	09/18/2020 - 09/25/2020	**Extraction Method:**	SW3550B
Instrument:	GC20, GC23, GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205747

QC Summary Report for SW8081A

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.000120	0.00100	-	-	-
a-BHC	ND	0.000270	0.00100	-	-	-
b-BHC	ND	0.0000920	0.00100	-	-	-
d-BHC	ND	0.000150	0.00100	-	-	-
g-BHC	ND	0.000140	0.00100	-	-	-
Chlordane (Technical)	ND	0.00250	0.0250	-	-	-
a-Chlordane	ND	0.000120	0.00100	-	-	-
g-Chlordane	ND	0.0000990	0.00100	-	-	-
p,p-DDD	ND	0.000150	0.00100	-	-	-
p,p-DDE	ND	0.000140	0.00100	-	-	-
p,p-DDT	ND	0.000200	0.00100	-	-	-
Dieldrin	ND	0.000120	0.00100	-	-	-
Endosulfan I	ND	0.000130	0.00100	-	-	-
Endosulfan II	ND	0.000130	0.00100	-	-	-
Endosulfan sulfate	ND	0.000130	0.00100	-	-	-
Endrin	ND	0.000100	0.00100	-	-	-
Endrin aldehyde	ND	0.000110	0.00100	-	-	-
Endrin ketone	ND	0.000140	0.00100	-	-	-
Heptachlor	ND	0.000170	0.00100	-	-	-
Heptachlor epoxide	ND	0.000110	0.00100	-	-	-
Hexachlorobenzene	ND	0.000290	0.0100	-	-	-
Hexachlorocyclopentadiene	ND	0.000360	0.0200	-	-	-
Methoxychlor	ND	0.000310	0.00100	-	-	-
Toxaphene	ND	0.0120	0.0500	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0576			0.05	115	75-136

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205747
Date Analyzed:	09/18/2020 - 09/25/2020	**Extraction Method:**	SW3550B
Instrument:	GC20, GC23, GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205747

QC Summary Report for SW8081A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.0494	0.0485	0.050	99	97	92-134	1.84	20
a-BHC	0.0521	0.0514	0.050	104	103	96-147	1.24	20
b-BHC	0.0520	0.0509	0.050	104	102	77-131	2.15	20
d-BHC	0.0541	0.0530	0.050	108	106	89-148	2.19	20
g-BHC	0.0511	0.0505	0.050	102	101	92-139	1.17	20
a-Chlordane	0.0498	0.0489	0.050	100	98	72-132	1.90	20
g-Chlordane	0.0490	0.0480	0.050	98	96	86-132	2.22	20
p,p-DDD	0.0539	0.0527	0.050	108	105	35-140	2.28	20
p,p-DDE	0.0514	0.0504	0.050	103	101	86-138	1.90	20
p,p-DDT	0.0544	0.0537	0.050	109	107	70-137	1.34	20
Dieldrin	0.0532	0.0526	0.050	106	105	99-143	1.26	20
Endosulfan I	0.0480	0.0472	0.050	96	94	93-127	1.74	20
Endosulfan II	0.0482	0.0473	0.050	96	95	74-140	2.01	20
Endosulfan sulfate	0.0484	0.0476	0.050	97	95	66-135	1.63	20
Endrin	0.0532	0.0538	0.050	106	108	92-141	1.19	20
Endrin aldehyde	0.0501	0.0492	0.050	100	98	77-135	1.84	20
Endrin ketone	0.0458	0.0446	0.050	92	89	72-125	2.76	20
Heptachlor	0.0548	0.0546	0.050	110	109	89-131	0.296	20
Heptachlor epoxide	0.0457	0.0444	0.050	91	89	85-124	2.87	20
Hexachlorobenzene	0.0453	0.0450	0.050	91	90	87-123	0.670	20
Hexachlorocyclopentadiene	0.0406	0.0427	0.050	81	85	41-153	4.98	20
Methoxychlor	0.0532	0.0521	0.050	106	104	82-147	2.03	20
Surrogate Recovery								
Decachlorobiphenyl	0.0471	0.0493	0.050	94	99	75-136	4.62	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205752
Date Analyzed:	09/18/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205752 2009829-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.160	0.500	-	-	-
Arsenic	ND	0.150	0.500	-	-	-
Barium	ND	0.570	5.00	-	-	-
Beryllium	ND	0.0730	0.500	-	-	-
Cadmium	ND	0.0610	0.500	-	-	-
Chromium	ND	0.130	0.500	-	-	-
Cobalt	ND	0.0520	0.500	-	-	-
Copper	0.203,J	0.180	0.500	-	-	-
Lead	ND	0.140	0.500	-	-	-
Mercury	ND	0.0320	0.0500	-	-	-
Molybdenum	ND	0.160	0.500	-	-	-
Nickel	ND	0.170	0.500	-	-	-
Selenium	ND	0.150	0.500	-	-	-
Silver	ND	0.120	0.500	-	-	-
Thallium	ND	0.0670	0.500	-	-	-
Vanadium	ND	0.130	0.500	-	-	-
Zinc	ND	3.00	5.00	-	-	-
Surrogate Recovery						
Terbium	542			500	109	70-130

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205752
Date Analyzed:	09/18/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205752 2009829-001AMS/MSD

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	46.1	47.0	50	92	94	75-125	1.89	20
Arsenic	49.4	50.7	50	99	101	75-125	2.59	20
Barium	499	491	500	100	98	75-125	1.55	20
Beryllium	51.2	50.9	50	102	102	75-125	0.535	20
Cadmium	49.8	50.6	50	100	101	75-125	1.63	20
Chromium	51.2	52.6	50	102	105	75-125	2.73	20
Cobalt	51.9	50.9	50	104	102	75-125	1.86	20
Copper	51.6	53.1	50	103	106	75-125	2.93	20
Lead	48.5	48.1	50	97	96	75-125	0.927	20
Mercury	1.10	1.18	1.25	88	94	75-125	6.32	20
Molybdenum	47.9	48.2	50	96	96	75-125	0.645	20
Nickel	50.5	52.5	50	101	105	75-125	3.74	20
Selenium	49.0	50.7	50	98	101	75-125	3.34	20
Silver	49.9	49.3	50	100	99	75-125	1.10	20
Thallium	48.4	49.4	50	97	99	75-125	2.19	20
Vanadium	51.2	51.8	50	102	104	75-125	1.13	20
Zinc	505	523	500	101	105	75-125	3.45	20
Surrogate Recovery								
Terbium	545	541	500	109	108	70-130	0.722	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	45.1	47.3	50	ND	90	94	75-125	4.80	20
Arsenic	1	55.0	55.4	50	5.604	99	100	75-125	0.738	20
Barium	1	680	719	500	194.7	97	105	75-125	5.60	20
Beryllium	1	47.7	48.4	50	0.5210	94	96	75-125	1.55	20
Cadmium	1	49.6	50.1	50	ND	99	100	75-125	1.02	20
Chromium	1	97.5	102	50	47.89	99	108	75-125	4.30	20
Cobalt	1	54.9	55.5	50	8.523	93	94	75-125	1.02	20
Copper	1	63.8	66.6	50	14.46	99	104	75-125	4.27	20
Lead	1	53.9	54.8	50	5.646	96	98	75-125	1.66	20
Mercury	1	1.22	1.28	1.25	ND	94	98	75-125	4.57	20
Molybdenum	1	46.7	49.2	50	ND	93	98	75-125	5.11	20
Nickel	1	97.6	105	50	48.68	98	113	75-125	7.31	20
Selenium	1	48.5	50.1	50	0.8420	95	98	75-125	3.28	20
Silver	1	47.4	48.5	50	ND	95	97	75-125	2.17	20

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205752
Date Analyzed:	09/18/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205752 2009829-001AMS/MSD

QC Summary Report for Metals

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium	1	46.9	46.1	50	ND	94	92	75-125	1.81	20
Vanadium	1	101	105	50	50.75	101	109	75-125	3.89	20
Zinc	1	550	548	500	44.96	101	101	75-125	0.316	20
Surrogate Recovery										
Terbium	1	519	541	500		104	108	70-130	4.17	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND	ND	-	-
Arsenic	5.88	5.604	4.93	-
Barium	201	194.7	3.24	20
Beryllium	ND	0.5210	-	-
Cadmium	ND	ND	-	-
Chromium	52.2	47.89	9.00	20
Cobalt	9.68	8.523	13.6	-
Copper	14.8	14.46	2.35	20
Lead	5.96	5.646	5.56	-
Mercury	ND	ND	-	-
Molybdenum	ND	ND	-	-
Nickel	50.6	48.68	3.94	20
Selenium	ND	0.8420	-	-
Silver	ND	ND	-	-
Thallium	ND	ND	-	-
Vanadium	54.4	50.75	7.19	20
Zinc	44.4	44.96	1.25	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Josh Fox
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6019 FAX: (415) 967-6001

Email: jfox@rouxinc.com
cc/3rd Party: acutting@rouxinc.com; jaguayo@rouxinc.c
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: **5 days;**

Date Received: **09/16/2020**
Date Logged: **09/17/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2009829-001	RB-1-1	Soil	9/16/2020 09:10	☐	A	A	A	A								
2009829-002	RB-1-3	Soil	9/16/2020 09:15	☑				A	A							
2009829-003	RB-2-1	Soil	9/16/2020 13:30	☐	A	A		A								
2009829-004	RB-2-3	Soil	9/16/2020 13:40	☑				A	A							
2009829-005	RB-3-1	Soil	9/16/2020 13:10	☐	A	A		A								
2009829-006	RB-3-3	Soil	9/16/2020 13:15	☑				A	A							
2009829-007	RB-4-1	Soil	9/16/2020 08:10	☐	A	A		A								
2009829-008	RB-4-3	Soil	9/16/2020 08:15	☑				A	A							
2009829-009	RB-5-1	Soil	9/16/2020 11:50	☐	A	A		A								
2009829-010	RB-5-3	Soil	9/16/2020 11:55	☑				A	A							
2009829-011	RB-6-1	Soil	9/16/2020 11:10	☐	A	A		A								
2009829-012	RB-6-3	Soil	9/16/2020 11:15	☑				A	A							
2009829-013	RB-7-1	Soil	9/16/2020 14:10	☐	A	A		A								
2009829-014	RB-7-3	Soil	9/16/2020 14:20	☑				A	A							
2009829-015	RB-8-1	Soil	9/16/2020 14:50	☐	A	A		A								
2009829-016	RB-8-3	Soil	9/16/2020 14:55	☑				A	A							

Test Legend:

1	8081_S	2	CAM17MS_TTLC_S	3	PRCOURIER TRIP	4	PRDisposal Fee
5	PRHOLD	6		7		8	
9		10		11		12	

Project Manager: Susan Thompson **Prepared by: Tina Perez**

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Josh Fox
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6019 FAX: (415) 967-6001
Email: jfox@rouxinc.com
cc/3rd Party: acutting@rouxinc.com; jaguayo@rouxinc.c
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: **5 days;**

Date Received: **09/16/2020**
Date Logged: **09/17/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2009829-017	RB-9-1	Soil	9/16/2020 15:20	☐	A	A		A								
2009829-018	RB-9-3	Soil	9/16/2020 15:30	☑				A	A							
2009829-019	RB-10-1	Soil	9/16/2020 10:10	☐	A	A		A								
2009829-020	RB-10-3	Soil	9/16/2020 10:15	☑				A	A							

Test Legend:

1	8081_S	2	CAM17MS_TTLC_S	3	PRCOURIER TRIP	4	PRDisposal Fee
5	PRHOLD	6		7		8	
9		10		11		12	

Project Manager: Susan Thompson **Prepared by: Tina Perez**

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email: jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon
Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	DryWeight	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-001A	RB-1-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 9:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-003A	RB-2-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 13:30	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-005A	RB-3-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 13:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-007A	RB-4-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 8:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-009A	RB-5-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 11:50	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-011A	RB-6-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 11:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-013A	RB-7-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 14:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-015A	RB-8-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 14:50	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-017A	RB-9-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 15:20	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email: jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon
Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	DryWeight	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-017A	RB-9-1	Soil	SW8081A (OC Pesticides)	1	16OZ GJ, Unpres	☐	9/16/2020 15:20	5 days		☐	
2009829-019A	RB-10-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 10:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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Environmental Testing Laboratory
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Pittsburg, CA
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CHAIN OF CUSTODY

2009829

Page 1 of

Chain of Custody # :

LOGIN #

Project No: 2965.0014S000
Project Name: 2400-2440 Camino Ramon
EDD Format: _____ **Rpt Level:** ☐ II ☐ III ☐ IV
Turnaround Time: Standard

Sampler: J. Aguayo
Report To: J. Aguayo, J. Fox, A. Cutting
Company : Roux Associates
Telephone: 415-967-6000
Email: jaguayo@rouxinc.com, jfox@rouxinc.com, acutting@rouxinc.com

Lab No.	Sample ID.	Sampling Date	Sampling Time	Matrix Water	Matrix Soil	# of Containers*	HCl	H_2SO_4	HNO_3	NaOH	None	CAM-17 Metals (6010B/7000)	Organochlorinated Pesticides		TPHg + VOCs (8260	TPHd/mo (8015)				HOLD		Notes
	RB-1-1	09/16/20	0910		X	1					X	X	X									~~X~~ RB-3-2
	RB-1-3	09/16/20	0915		X	1					X									X		RB-1-5
	RB-2-1	09/16/20	1330		X	1					X	X	X									RB-2-2
	RB-2-3	09/16/20	1340		X	1					X									X		RB 4-5 Samples
	RB-3-1	09/16/20	1310		X	1					X	X	X									Rec but not on COC.
	RB-3-3	09/16/20	1315		X	1					X									X		
	RB-4-1	09/16/20	0810		X	1					X	X	X									
	RB-4-3	09/16/20	0815.		X	1					X									X		
	RB-5-1	09/16/20	1150		X	1					X	X	X									
	RB-5-3	09/16/20	1155		X	1					X									X		
	RB-6-1	09/16/20	1110		X	1					X	X	X									
	RB-6-3	09/16/20	1115		X	1					X									X		
	RB-7-1	09/16/20	1410		X	1					X	X	X									
	RB-7-3	09/16/20	1420.		X	1					X									X		
	RB-8-1	09/16/20	1450		X	1					X	X	X									
	RB-8-3	09/16/20	1455.		X	1					X									X		
	RB-9-1	09/16/20	1520		X	1					X	X	X									
	RB-9-3	09/16/20	1530		X	1					X									X		
	RB-10-1	09/16/20	1010		X	1					X	X	X		~~X~~ J.A							
	RB-10-3	09/16/20	1015.		X	1					X									X		

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
[signature] J.A	9/16/20 420	[signature]	9/16/20 4:20
[signature]	9-16-20 17:14	[signature]	9/16/20 @ 17:14

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Sample Receipt Checklist

Client Name:	**Roux Associates, Inc.**	Date and Time Received:	**9/16/2020 17:14**
Project:	**2965.0014S000; 2400-2440 Camino Ramon**	Date Logged:	**9/17/2020**
		Received by:	Tina Perez
WorkOrder №:	**2009829** Matrix: Soil	Logged by:	Tina Perez
Carrier:	Moises Vasquez (contract courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 3.3°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

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Analytical Report

WorkOrder: 2009829 A

Report Created for: Roux Associates, Inc.

555 12th Street, Suite 250
Oakland, CA 94607

Project Contact: Josh Fox
Project P.O.:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Project Received: 09/16/2020

Analytical Report reviewed & approved for release on 10/05/2020 by:

Susan Thompson
Project Manager

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009829 A

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009829 A

Analytical Qualifiers

H	Samples were analyzed out of hold time
P	Agreement between quantitative confirmation results exceed method recommended limits

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	CA Title 22/SW3510C
Date Prepared:	09/30/2020-10/01/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/L

Organochlorine Pesticides (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-3-1	2009829-005A	Soil	09/16/2020 13:10	GC40 10012061.d	206551

Analytes	Result	MDL	RL	DF	Date Analyzed
p,p-DDE	ND	0.000025	0.000025	1	10/01/2020 22:55
p,p-DDT	ND	0.000025	0.000025	1	10/01/2020 22:55

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	113	70-130	10/01/2020 22:55

Analyst(s): CN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-1	2009829-007A	Soil	09/16/2020 08:10	GC40 10012062.d	206551

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
p,p-DDE	**0.000025**	P	0.000025	0.000025	1	10/01/2020 23:09
p,p-DDT	ND		0.000025	0.000025	1	10/01/2020 23:09

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	111	70-130	10/01/2020 23:09

Analyst(s): CN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-5-1	2009829-009A	Soil	09/16/2020 11:50	GC40 10012063.d	206551

Analytes	Result	MDL	RL	DF	Date Analyzed
p,p-DDE	ND	0.000025	0.000025	1	10/01/2020 23:23

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	118	70-130	10/01/2020 23:23

Analyst(s): CN

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	CA Title 22/SW3510C
Date Prepared:	09/30/2020-10/01/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/L

Organochlorine Pesticides (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	**2009829-017A**	**Soil**	**09/16/2020 15:20**	**GC40 10022037.d**	**206625**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
p,p-DDE	**0.000025**	H	0.000025	0.000025	1	10/02/2020 18:57

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	106	H	70-130	10/02/2020 18:57

Analyst(s): CN

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/28/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-3	2009829-008A	Soil	09/16/2020 08:15	ICP-MS4 189SMPL.d	206353

Analytes	Result	MDL	RL	DF	Date Analyzed
Arsenic	**5.6**	0.15	0.50	1	09/29/2020 14:01

Surrogates	REC (%)	Limits	
Terbium	92	70-130	09/29/2020 14:01

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-3	2009829-018A	Soil	09/16/2020 15:30	ICP-MS4 206SMPL.d	206353

Analytes	Result	MDL	RL	DF	Date Analyzed
Arsenic	**7.4**	0.15	0.50	1	09/29/2020 14:59

Surrogates	REC (%)	Limits	
Terbium	97	70-130	09/29/2020 14:59

Analyst(s): WV

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/30/2020	**BatchID:**	206551
Date Analyzed:	10/01/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206551

QC Summary Report for SW8081A (STLC)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.0000250	0.0000250	-	-	-
a-BHC	ND	0.0000250	0.0000250	-	-	-
b-BHC	ND	0.0000250	0.0000250	-	-	-
d-BHC	ND	0.0000250	0.0000250	-	-	-
g-BHC	ND	0.0000250	0.0000250	-	-	-
Chlordane (Technical)	ND	0.000630	0.000630	-	-	-
a-Chlordane	ND	0.0000250	0.0000250	-	-	-
g-Chlordane	ND	0.0000250	0.0000250	-	-	-
p,p-DDD	ND	0.0000250	0.0000250	-	-	-
p,p-DDE	ND	0.0000250	0.0000250	-	-	-
p,p-DDT	ND	0.0000250	0.0000250	-	-	-
Dieldrin	ND	0.0000250	0.0000250	-	-	-
Endosulfan I	ND	0.0000250	0.0000250	-	-	-
Endosulfan II	ND	0.0000250	0.0000250	-	-	-
Endosulfan sulfate	ND	0.0000250	0.0000250	-	-	-
Endrin	ND	0.0000250	0.0000250	-	-	-
Endrin aldehyde	ND	0.0000250	0.0000250	-	-	-
Endrin ketone	ND	0.0000250	0.0000250	-	-	-
Heptachlor	ND	0.0000250	0.0000250	-	-	-
Heptachlor epoxide	ND	0.0000250	0.0000250	-	-	-
Hexachlorobenzene	ND	0.000250	0.000250	-	-	-
Hexachlorocyclopentadiene	ND	0.000500	0.000500	-	-	-
Methoxychlor	ND	0.0000250	0.0000250	-	-	-
Toxaphene	ND	0.00130	0.00130	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.00132			0.00125	105	70-130

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/30/2020	**BatchID:**	206551
Date Analyzed:	10/01/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206551

QC Summary Report for SW8081A (STLC)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.00111	0.00110	0.0012	89	88	70-130	0.753	20
a-BHC	0.00140	0.00138	0.0012	112	111	70-130	0.953	20
b-BHC	0.00123	0.00120	0.0012	99	96	70-130	2.42	20
d-BHC	0.00136	0.00133	0.0012	109	106	70-130	2.17	20
g-BHC	0.00135	0.00133	0.0012	108	106	70-130	1.29	20
a-Chlordane	0.00140	0.00138	0.0012	112	111	70-130	1.24	20
g-Chlordane	0.00128	0.00126	0.0012	102	101	70-130	0.901	20
p,p-DDD	0.00144	0.00144	0.0012	115	115	70-130	0.406	20
p,p-DDE	0.00141	0.00140	0.0012	113	112	70-130	0.969	20
p,p-DDT	0.00120	0.00119	0.0012	96	95	70-130	0.547	20
Dieldrin	0.00137	0.00136	0.0012	109	109	70-130	0.628	20
Endosulfan I	0.00121	0.00119	0.0012	96	95	70-130	1.37	20
Endosulfan II	0.00127	0.00125	0.0012	101	100	70-130	1.09	20
Endosulfan sulfate	0.00118	0.00116	0.0012	94	93	70-130	1.46	20
Endrin	0.00119	0.00117	0.0012	95	93	70-130	1.83	20
Endrin aldehyde	0.00152	0.00151	0.0012	122	120	70-130	1.09	20
Endrin ketone	0.00123	0.00122	0.0012	98	97	70-130	1.08	20
Heptachlor	0.00135	0.00134	0.0012	108	107	70-130	0.699	20
Heptachlor epoxide	0.00128	0.00126	0.0012	102	100	70-130	1.89	20
Hexachlorobenzene	0.00126	0.00126	0.0012	101	100	70-130	0.392	20
Hexachlorocyclopentadiene	0.00120	0.00116	0.0012	96	93	70-130	2.91	20
Methoxychlor	0.00110	0.00109	0.0012	88	87	70-130	0.493	20
Surrogate Recovery								
Decachlorobiphenyl	0.00125	0.00127	0.0012	100	102	70-130	1.19	20

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	10/01/2020	**BatchID:**	206625
Date Analyzed:	10/02/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206625

QC Summary Report for SW8081A (STLC)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.0000250	0.0000250	-	-	-
a-BHC	ND	0.0000250	0.0000250	-	-	-
b-BHC	ND	0.0000250	0.0000250	-	-	-
d-BHC	ND	0.0000250	0.0000250	-	-	-
g-BHC	ND	0.0000250	0.0000250	-	-	-
Chlordane (Technical)	ND	0.000630	0.000630	-	-	-
a-Chlordane	ND	0.0000250	0.0000250	-	-	-
g-Chlordane	ND	0.0000250	0.0000250	-	-	-
p,p-DDD	ND	0.0000250	0.0000250	-	-	-
p,p-DDE	ND	0.0000250	0.0000250	-	-	-
p,p-DDT	ND	0.0000250	0.0000250	-	-	-
Dieldrin	ND	0.0000250	0.0000250	-	-	-
Endosulfan I	ND	0.0000250	0.0000250	-	-	-
Endosulfan II	ND	0.0000250	0.0000250	-	-	-
Endosulfan sulfate	ND	0.0000250	0.0000250	-	-	-
Endrin	ND	0.0000250	0.0000250	-	-	-
Endrin aldehyde	ND	0.0000250	0.0000250	-	-	-
Endrin ketone	ND	0.0000250	0.0000250	-	-	-
Heptachlor	ND	0.0000250	0.0000250	-	-	-
Heptachlor epoxide	ND	0.0000250	0.0000250	-	-	-
Hexachlorobenzene	ND	0.000250	0.000250	-	-	-
Hexachlorocyclopentadiene	ND	0.000500	0.000500	-	-	-
Methoxychlor	ND	0.0000250	0.0000250	-	-	-
Toxaphene	ND	0.00130	0.00130	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.00115			0.00125	92	70-130

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	10/01/2020	**BatchID:**	206625
Date Analyzed:	10/02/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206625

QC Summary Report for SW8081A (STLC)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.00102	0.00100	0.0012	82	80	70-130	1.52	20
a-BHC	0.00136	0.00136	0.0012	109	109	70-130	0.00202	20
b-BHC	0.00123	0.00124	0.0012	98	99	70-130	1.24	20
d-BHC	0.00130	0.00128	0.0012	104	102	70-130	2.08	20
g-BHC	0.00136	0.00136	0.0012	109	109	70-130	0.534	20
a-Chlordane	0.00136	0.00138	0.0012	109	110	70-130	1.47	20
g-Chlordane	0.00121	0.00120	0.0012	97	96	70-130	1.04	20
p,p-DDD	0.00143	0.00144	0.0012	115	115	70-130	0.699	20
p,p-DDE	0.00139	0.00141	0.0012	111	112	70-130	1.04	20
p,p-DDT	0.00115	0.00120	0.0012	92	96	70-130	3.97	20
Dieldrin	0.00136	0.00137	0.0012	109	110	70-130	0.866	20
Endosulfan I	0.00119	0.00119	0.0012	95	95	70-130	0.222	20
Endosulfan II	0.00128	0.00130	0.0012	102	104	70-130	1.41	20
Endosulfan sulfate	0.00118	0.00120	0.0012	94	96	70-130	2.03	20
Endrin	0.00122	0.00124	0.0012	97	99	70-130	1.58	20
Endrin aldehyde	0.00115	0.00119	0.0012	92	95	70-130	3.21	20
Endrin ketone	0.00118	0.00126	0.0012	95	101	70-130	5.86	20
Heptachlor	0.00137	0.00138	0.0012	109	111	70-130	1.10	20
Heptachlor epoxide	0.00128	0.00128	0.0012	102	103	70-130	0.695	20
Hexachlorobenzene	0.00123	0.00123	0.0012	98	98	70-130	0.119	20
Hexachlorocyclopentadiene	0.000998	0.00107	0.0012	80	86	70-130	7.29	20
Methoxychlor	0.00110	0.00115	0.0012	88	92	70-130	4.37	20
Surrogate Recovery								
Decachlorobiphenyl	0.00121	0.00129	0.0012	96	103	70-130	6.95	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/28/2020	**BatchID:**	206353
Date Analyzed:	09/29/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206353

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.150	0.500	-	-	-
Surrogate Recovery						
Terbium	522			500	104	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	57.4	55.8	50	115	112	75-125	2.72	20
Surrogate Recovery								
Terbium	527	551	500	105	110	70-130	4.40	20

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 A **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Josh Fox
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6019 FAX: (415) 967-6001

Email: jfox@rouxinc.com
cc/3rd Party: acutting@rouxinc.com; jaguayo@rouxinc.c
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: 5 days;

Date Received: **09/16/2020**
Date Logged: **09/17/2020**
Date Add-On: **09/28/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2009829-005	RB-3-1	Soil	9/16/2020 13:10	☐	A											
2009829-007	RB-4-1	Soil	9/16/2020 08:10	☐	A											
2009829-008	RB-4-3	Soil	9/16/2020 08:15	☐		A	A									
2009829-009	RB-5-1	Soil	9/16/2020 11:50	☐	A											
2009829-017	RB-9-1	Soil	9/16/2020 15:20	☐	A											
2009829-018	RB-9-3	Soil	9/16/2020 15:30	☐		A	A									

Test Legend:

1	8081_STLC_S	2	ASMS_6020_TTLC_S	3	PRHOLD Credit	4	
5		6		7		8	
9		10		11		12	

Project Manager: Susan Thompson

Prepared by: Tina Perez

Add-On Prepared By: Maria Venegas

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020
Date Add-On: 9/28/2020

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-005A	RB-3-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1, p,p-DDT_1>	1	16OZ GJ, Unpres	9/16/2020 13:10	5 days*		☐	
2009829-007A	RB-4-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1, p,p-DDT_1>	1	8OZ GJ, Unpres	9/16/2020 8:10	5 days*		☐	
2009829-008A	RB-4-3	Soil	SW6020 (Arsenic)	1	8OZ GJ, Unpres	9/16/2020 8:15	5 days		☐	
2009829-009A	RB-5-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1>	1	8OZ GJ, Unpres	9/16/2020 11:50	5 days*		☐	
2009829-017A	RB-9-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1>	1	16OZ GJ, Unpres	9/16/2020 15:20	5 days*		☐	
2009829-018A	RB-9-3	Soil	SW6020 (Arsenic)	1	16OZ GJ, Unpres	9/16/2020 15:30	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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CHAIN OF CUSTODY

2009829

Page 1 of ___
Chain of Custody # : ___________

LOGIN # ___________

Project No: 2965.0014S000
Project Name: 2400-2440 Camino Ramon
EDD Format: ___________ **Rpt Level:** ☐ II ☐ III ☐ IV
Turnaround Time: Standard

Sampler: J. Aguayo
Report To: J. Aguayo, J. Fox, A. Cutting
Company : Roux Associates
Telephone: 415-967-6000
Email jaguayo@rouxinc.com, jfox@rouxinc.com, acutting@rouxinc.com

Lab No.	Sample ID.	Sampling Date	Sampling Time	Matrix: Water	Matrix: Soil	# of Containers*	HCl	H_2SO_4	HNO_3	NaOH	None	CAM-17 Metals (6010B/7000)	Organochlorinated Pesticides	Arsenic	TPHg + VOCs (8260	TPHd/mo (8015)	STLC DDE	STLC DDT		HOLD		Notes
	RB-1-1	09/16/20	0910		X	1					X	X	X									~~RB-3-2~~ MV
	RB-1-3	09/16/20	0915		X	1					X									X		~~RB-1-5~~
	RB-2-1	09/16/20	1330		X	1					X	X	X									~~RB-2-2~~
	RB-2-3	09/16/20	1340		X	1					X									X		~~RB 4-5~~ Samples
	RB-3-1	09/16/20	1310		X	1					X	X	X				X	X				Rec but not on COC.
	RB-3-3	09/16/20	1315		X	1					X									X		
	RB-4-1	09/16/20	0810		X	1					X	X	X				X	X				
	RB-4-3	09/16/20	0815.		X	1					X			X						X		
	RB-5-1	09/16/20	1150		X	1					X	X	X				X					
	RB-5-3	09/16/20	1155		X	1					X									X		
	RB-6-1	09/16/20	1110		X	1					X	X	X									
	RB-6-3	09/16/20	1115		X	1					X									X		
	RB-7-1	09/16/20	1410		X	1					X	X	X									
	RB-7-3	09/16/20	1420.		X	1					X									X		
	RB-8-1	09/16/20	1450		X	1					X	X	X									
	RB-8-3	09/16/20	1455.		X	1					X									X		
	RB-9-1	09/16/20	1520		X	1					X	X	X				X					
	RB-9-3	09/16/20	1530		X	1					X			X						X		
	RB-10-1	09/16/20	1010		X	1					X	X	X		J.A							
	RB-10-3	09/16/20	1015.		X	1					X									X		

Notes:

Added 9/28/2020
STAT

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
J.A	9/16/20 420	[signature]	9/16/20 4:20
[signature]	9-16-20 17:14	[signature]	9/16/20 @ 17:14

McCampbell Analytical, Inc.

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Analytical Report

WorkOrder: 2009829 B

Report Created for: Roux Associates, Inc.

555 12th Street, Suite 250
Oakland, CA 94607

Project Contact: Josh Fox
Project P.O.:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Project Received: 09/16/2020

Analytical Report reviewed & approved for release on 10/12/2020 by:

Christine Askari
Project Manager

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009829 B

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	CA Title 22
Date Prepared:	10/07/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	**2009829-017A**	**Soil**	**09/16/2020 15:20**	**ICP-MS4 149SMPL.d**	**206979**

Analytes	Result	MDL	RL	DF	Date Analyzed
Chromium	**0.48**	0.10	0.10	1	10/12/2020 11:35

Analyst(s): WV

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	10/07/2020	**BatchID:**	206979
Date Analyzed:	10/12/2020	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206979 2009829-017AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.100	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.86	9.80	10	99	98	75-125	0.572	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chromium	1	10.5	10.6	10	0.4784	100	101	75-125	0.423	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Chromium	0.543	0.4784	13.5	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 B **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☒ EQuIS ☒ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☒ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Josh Fox
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6019 FAX: (415) 967-6001

Email: jfox@rouxinc.com
cc/3rd Party: acutting@rouxinc.com; jaguayo@rouxinc.c
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: 5 days;

Date Received: **09/16/2020**
Date Logged: **09/17/2020**
Date Add-On: **10/05/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2009829-017	RB-9-1	Soil	9/16/2020 15:20	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Susan Thompson

Prepared by: Tina Perez

Add-On Prepared By: Maria Venegas

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT. STLC Cr added to 017 10/05/2020 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT. STLC Cr added to 017 10/05/2020 STAT

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020
Date Add-On: 10/5/2020

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-017A	RB-9-1	Soil	SW6020 (Chromium) (STLC)	1	16OZ GJ, Unpres	9/16/2020 15:20	5 days*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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CHAIN OF CUSTODY

2009829

Page 1 of

Chain of Custody # :

LOGIN #

Project No: 2965.0014S000
Project Name: 2400-2440 Camino Ramon
EDD Format: ______ **Rpt Level:** ☐ II ☐ III ☐ IV
Turnaround Time: Standard

Sampler: J. Aguayo
Report To: J. Aguayo, J. Fox, A. Cutting
Company : Roux Associates
Telephone: 415-967-6000
Email jaguayo@rouxinc.com, jfox@rouxinc.com, acutting@rouxinc.com

Lab No.	Sample ID.	Sampling Date	Sampling Time	Matrix: Water	Matrix: Soil	# of Containers*	HCl	H_2SO_4	HNO_3	NaOH	None	CAM-17 Metals (6010B/7000)	Organochlorinated Pesticides	Arsenic	TPHg + VOCs (8260	TPHd/mo (8015)	STLC DDE	STLC DDT	STLC Cr	HOLD		Notes
	RB-1-1	09/16/20	0910		X	1					X	X	X									~~RB-3-2~~
	RB-1-3	09/16/20	0915		X	1					X									X		~~RB-1-5~~
	RB-2-1	09/16/20	1330		X	1					X	X	X									~~RB-2-2~~
	RB-2-3	09/16/20	1340		X	1					X									X		~~RB 4-5~~ Samples
	RB-3-1	09/16/20	1310		X	1					X	X	X				X	X				Rec but not on COC.
	RB-3-3	09/16/20	1315		X	1					X									X		
	RB-4-1	09/16/20	0810		X	1					X	X	X				X	X				
	RB-4-3	09/16/20	0815.		X	1					X			X						X		
	RB-5-1	09/16/20	1150		X	1					X	X	X				X					
	RB-5-3	09/16/20	1155		X	1					X									X		
	RB-6-1	09/16/20	1110		X	1					X	X	X									
	RB-6-3	09/16/20	1115		X	1					X									X		
	RB-7-1	09/16/20	1410		X	1					X	X	X									
	RB-7-3	09/16/20	1420.		X	1					X									X		
	RB-8-1	09/16/20	1450		X	1					X	X	X									
	RB-8-3	09/16/20	1455.		X	1					X									X		
	RB-9-1	09/16/20	1520		X	1					X	X	X				X		X			
	RB-9-3	09/16/20	1530		X	1					X			X						X		
	RB-10-1	09/16/20	1010		X	1					X	X	X		~~X~~ J.A							
	RB-10-3	09/16/20	1015.		X	1					X									X		

Notes:
Added 9/28/2020
STAT
Added 10/05/2020 STAT

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
[signature] J.A	9/16/20 420	[signature]	9/16/20 4:20
[signature]	9-16-20 1714	[signature]	9/16/20 @ 17:14

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:	2009829 including Addon A and Addon B 2009835
Report Created for:	Roux Associates, Inc. 555 12th Street, Suite 250 Oakland, CA 94607
Project Contact:	Jessica Aguayo
Project P.O.:	
Project:	2965.0014S000; 2400-2440 Camino Ramon
Project Received:	09/16/2020

Analytical Report reviewed & approved for release on 10/16/2020 by:

Susan Thompson
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009835

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Roux Associates, Inc.
Project: 2965.0014S000; 2400-2440 Camino Ramon
WorkOrder: 2009835

Analytical Qualifiers

B	Analyte detected in the associated Method Blank and in the sample
H	Samples were analyzed out of hold time
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
P	Agreement between quantitative confirmation results exceed method recommended limits
S	Surrogate recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
c2	Surrogate recovery outside of the control limits due to matrix interference.
c4	Surrogate recovery outside of the control limits due to coelution with another peak(s)/cluttered chromatogram.
h7	Copper (EPA 3660B) cleanup

Quality Control Qualifiers

F3	The surrogate standard recovery and/or RPD is outside of acceptance limits.

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-1	2009829-001A	Soil	09/16/2020 09:10	GC20 09172051.D	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 03:39
a-BHC	ND		0.00027	0.0010	1	09/18/2020 03:39
b-BHC	ND		0.000092	0.0010	1	09/18/2020 03:39
d-BHC	ND		0.00015	0.0010	1	09/18/2020 03:39
g-BHC	ND		0.00014	0.0010	1	09/18/2020 03:39
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 03:39
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 03:39
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 03:39
p,p-DDD	ND		0.00015	0.0010	1	09/18/2020 03:39
p,p-DDE	**0.00072**	J	0.00014	0.0010	1	09/18/2020 03:39
p,p-DDT	ND		0.00020	0.0010	1	09/18/2020 03:39
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 03:39
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 03:39
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 03:39
Endosulfan sulfate	ND		0.00013	0.0010	1	09/18/2020 03:39
Endrin	ND		0.00010	0.0010	1	09/18/2020 03:39
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 03:39
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 03:39
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 03:39
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 03:39
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 03:39
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 03:39
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 03:39
Toxaphene	ND		0.012	0.050	1	09/18/2020 03:39

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	95	69-143	09/18/2020 03:39

Analyst(s): CK

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-2-1	2009829-003A	Soil	09/16/2020 13:30	GC40 09182016.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 13:37
a-BHC	ND		0.00027	0.0010	1	09/18/2020 13:37
b-BHC	ND		0.000092	0.0010	1	09/18/2020 13:37
d-BHC	ND		0.00015	0.0010	1	09/18/2020 13:37
g-BHC	ND		0.00014	0.0010	1	09/18/2020 13:37
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 13:37
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 13:37
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 13:37
p,p-DDD	**0.00069**	J	0.00015	0.0010	1	09/18/2020 13:37
p,p-DDE	**0.018**		0.00014	0.0010	1	09/18/2020 13:37
p,p-DDT	**0.0013**		0.00020	0.0010	1	09/18/2020 13:37
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 13:37
Endosulfan I	**0.00019**	J	0.00013	0.0010	1	09/18/2020 13:37
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 13:37
Endosulfan sulfate	**0.00036**	J	0.00013	0.0010	1	09/18/2020 13:37
Endrin	ND		0.00010	0.0010	1	09/18/2020 13:37
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 13:37
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 13:37
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 13:37
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 13:37
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 13:37
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 13:37
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 13:37
Toxaphene	ND		0.012	0.050	1	09/18/2020 13:37

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	128	69-143	09/18/2020 13:37

Analyst(s): CN

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-3-1	2009829-005A	Soil	09/16/2020 13:10	GC23 09182075.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00024	0.0020	2	09/19/2020 07:42
a-BHC	ND		0.00054	0.0020	2	09/19/2020 07:42
b-BHC	ND		0.00018	0.0020	2	09/19/2020 07:42
d-BHC	ND		0.00030	0.0020	2	09/19/2020 07:42
g-BHC	ND		0.00028	0.0020	2	09/19/2020 07:42
Chlordane (Technical)	ND		0.0050	0.050	2	09/19/2020 07:42
a-Chlordane	ND		0.00024	0.0020	2	09/19/2020 07:42
g-Chlordane	ND		0.00020	0.0020	2	09/19/2020 07:42
p,p-DDD	**0.0059**	P	0.00030	0.0020	2	09/19/2020 07:42
p,p-DDE	**0.24**	P	0.00028	0.0020	2	09/19/2020 07:42
p,p-DDT	**0.11**		0.00040	0.0020	2	09/19/2020 07:42
Dieldrin	**0.00038**	J	0.00024	0.0020	2	09/19/2020 07:42
Endosulfan I	ND		0.00026	0.0020	2	09/19/2020 07:42
Endosulfan II	ND		0.00026	0.0020	2	09/19/2020 07:42
Endosulfan sulfate	**0.0022**		0.00026	0.0020	2	09/19/2020 07:42
Endrin	ND		0.00020	0.0020	2	09/19/2020 07:42
Endrin aldehyde	ND		0.00022	0.0020	2	09/19/2020 07:42
Endrin ketone	ND		0.00028	0.0020	2	09/19/2020 07:42
Heptachlor	ND		0.00034	0.0020	2	09/19/2020 07:42
Heptachlor epoxide	ND		0.00022	0.0020	2	09/19/2020 07:42
Hexachlorobenzene	ND		0.00058	0.020	2	09/19/2020 07:42
Hexachlorocyclopentadiene	ND		0.00072	0.040	2	09/19/2020 07:42
Methoxychlor	**0.0026**	P	0.00062	0.0020	2	09/19/2020 07:42
Toxaphene	ND		0.024	0.10	2	09/19/2020 07:42

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	102	69-143	09/19/2020 07:42

Analyst(s): BRV Analytical Comments: a3

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-1	2009829-007A	Soil	09/16/2020 08:10	GC20 09172052.D	205747

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00012	0.0010	1	09/18/2020 03:55
a-BHC	ND	0.00027	0.0010	1	09/18/2020 03:55
b-BHC	ND	0.000092	0.0010	1	09/18/2020 03:55
d-BHC	ND	0.00015	0.0010	1	09/18/2020 03:55
g-BHC	ND	0.00014	0.0010	1	09/18/2020 03:55
Chlordane (Technical)	ND	0.0025	0.025	1	09/18/2020 03:55
a-Chlordane	ND	0.00012	0.0010	1	09/18/2020 03:55
g-Chlordane	ND	0.000099	0.0010	1	09/18/2020 03:55
p,p-DDD	**0.0074**	0.00015	0.0010	1	09/18/2020 03:55
p,p-DDE	**0.93**	0.0014	0.010	10	09/21/2020 17:25
p,p-DDT	**0.12**	0.00020	0.0010	1	09/18/2020 03:55
Dieldrin	ND	0.00012	0.0010	1	09/18/2020 03:55
Endosulfan I	ND	0.00013	0.0010	1	09/18/2020 03:55
Endosulfan II	ND	0.00013	0.0010	1	09/18/2020 03:55
Endosulfan sulfate	ND	0.00013	0.0010	1	09/18/2020 03:55
Endrin	ND	0.00010	0.0010	1	09/18/2020 03:55
Endrin aldehyde	ND	0.00011	0.0010	1	09/18/2020 03:55
Endrin ketone	ND	0.00014	0.0010	1	09/18/2020 03:55
Heptachlor	ND	0.00017	0.0010	1	09/18/2020 03:55
Heptachlor epoxide	ND	0.00011	0.0010	1	09/18/2020 03:55
Hexachlorobenzene	ND	0.00029	0.010	1	09/18/2020 03:55
Hexachlorocyclopentadiene	ND	0.00036	0.020	1	09/18/2020 03:55
Methoxychlor	ND	0.00031	0.0010	1	09/18/2020 03:55
Toxaphene	ND	0.012	0.050	1	09/18/2020 03:55

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	100	69-143	09/18/2020 03:55

Analyst(s): CK

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-5-1	2009829-009A	Soil	09/16/2020 11:50	GC40 09182015.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 13:23
a-BHC	ND		0.00027	0.0010	1	09/18/2020 13:23
b-BHC	ND		0.000092	0.0010	1	09/18/2020 13:23
d-BHC	ND		0.00015	0.0010	1	09/18/2020 13:23
g-BHC	ND		0.00014	0.0010	1	09/18/2020 13:23
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 13:23
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 13:23
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 13:23
p,p-DDD	**0.0086**		0.00015	0.0010	1	09/18/2020 13:23
p,p-DDE	**0.22**		0.00014	0.0010	1	09/18/2020 13:23
p,p-DDT	**0.0021**	P	0.00020	0.0010	1	09/18/2020 13:23
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 13:23
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 13:23
Endosulfan II	**0.00042**	J	0.00013	0.0010	1	09/18/2020 13:23
Endosulfan sulfate	**0.0086**		0.00013	0.0010	1	09/18/2020 13:23
Endrin	ND		0.00010	0.0010	1	09/18/2020 13:23
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 13:23
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 13:23
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 13:23
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 13:23
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 13:23
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 13:23
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 13:23
Toxaphene	ND		0.012	0.050	1	09/18/2020 13:23

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	104	69-143	09/18/2020 13:23

Analyst(s): CN

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-6-1	2009829-011A	Soil	09/16/2020 11:10	GC40 09212070.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/22/2020 01:48
a-BHC	ND		0.00027	0.0010	1	09/22/2020 01:48
b-BHC	ND		0.000092	0.0010	1	09/22/2020 01:48
d-BHC	ND		0.00015	0.0010	1	09/22/2020 01:48
g-BHC	ND		0.00014	0.0010	1	09/22/2020 01:48
Chlordane (Technical)	ND		0.0025	0.025	1	09/22/2020 01:48
a-Chlordane	ND		0.00012	0.0010	1	09/22/2020 01:48
g-Chlordane	ND		0.000099	0.0010	1	09/22/2020 01:48
p,p-DDD	**0.0026**		0.00015	0.0010	1	09/22/2020 01:48
p,p-DDE	**0.090**		0.00014	0.0010	1	09/22/2020 01:48
p,p-DDT	**0.0059**		0.00020	0.0010	1	09/22/2020 01:48
Dieldrin	ND		0.00012	0.0010	1	09/22/2020 01:48
Endosulfan I	**0.00028**	J	0.00013	0.0010	1	09/22/2020 01:48
Endosulfan II	**0.00036**	JP	0.00013	0.0010	1	09/22/2020 01:48
Endosulfan sulfate	**0.00030**	JP	0.00013	0.0010	1	09/22/2020 01:48
Endrin	ND		0.00010	0.0010	1	09/22/2020 01:48
Endrin aldehyde	ND		0.00011	0.0010	1	09/22/2020 01:48
Endrin ketone	ND		0.00014	0.0010	1	09/22/2020 01:48
Heptachlor	ND		0.00017	0.0010	1	09/22/2020 01:48
Heptachlor epoxide	ND		0.00011	0.0010	1	09/22/2020 01:48
Hexachlorobenzene	ND		0.00029	0.010	1	09/22/2020 01:48
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/22/2020 01:48
Methoxychlor	ND		0.00031	0.0010	1	09/22/2020 01:48
Toxaphene	ND		0.012	0.050	1	09/22/2020 01:48

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	109	69-143	09/22/2020 01:48

Analyst(s): CN Analytical Comments: h7

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-7-1	2009829-013A	Soil	09/16/2020 14:10	GC20 09172053.D	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 04:10
a-BHC	ND		0.00027	0.0010	1	09/18/2020 04:10
b-BHC	ND		0.000092	0.0010	1	09/18/2020 04:10
d-BHC	ND		0.00015	0.0010	1	09/18/2020 04:10
g-BHC	ND		0.00014	0.0010	1	09/18/2020 04:10
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 04:10
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 04:10
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 04:10
p,p-DDD	**0.00074**	J	0.00015	0.0010	1	09/18/2020 04:10
p,p-DDE	**0.030**		0.00014	0.0010	1	09/18/2020 04:10
p,p-DDT	**0.0028**		0.00020	0.0010	1	09/18/2020 04:10
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 04:10
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 04:10
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 04:10
Endosulfan sulfate	ND		0.00013	0.0010	1	09/18/2020 04:10
Endrin	ND		0.00010	0.0010	1	09/18/2020 04:10
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 04:10
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 04:10
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 04:10
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 04:10
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 04:10
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 04:10
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 04:10
Toxaphene	ND		0.012	0.050	1	09/18/2020 04:10

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	101	69-143	09/18/2020 04:10

Analyst(s): CK

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-8-1	2009829-015A	Soil	09/16/2020 14:50	GC23 09182076.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00024	0.0020	2	09/19/2020 07:57
a-BHC	ND		0.00054	0.0020	2	09/19/2020 07:57
b-BHC	ND		0.00018	0.0020	2	09/19/2020 07:57
d-BHC	ND		0.00030	0.0020	2	09/19/2020 07:57
g-BHC	ND		0.00028	0.0020	2	09/19/2020 07:57
Chlordane (Technical)	ND		0.0050	0.050	2	09/19/2020 07:57
a-Chlordane	ND		0.00024	0.0020	2	09/19/2020 07:57
g-Chlordane	ND		0.00020	0.0020	2	09/19/2020 07:57
p,p-DDD	**0.0027**		0.00030	0.0020	2	09/19/2020 07:57
p,p-DDE	**0.094**		0.00028	0.0020	2	09/19/2020 07:57
p,p-DDT	**0.018**		0.00040	0.0020	2	09/19/2020 07:57
Dieldrin	**0.00078**	JP	0.00024	0.0020	2	09/19/2020 07:57
Endosulfan I	ND		0.00026	0.0020	2	09/19/2020 07:57
Endosulfan II	ND		0.00026	0.0020	2	09/19/2020 07:57
Endosulfan sulfate	**0.0022**	P	0.00026	0.0020	2	09/19/2020 07:57
Endrin	ND		0.00020	0.0020	2	09/19/2020 07:57
Endrin aldehyde	ND		0.00022	0.0020	2	09/19/2020 07:57
Endrin ketone	ND		0.00028	0.0020	2	09/19/2020 07:57
Heptachlor	ND		0.00034	0.0020	2	09/19/2020 07:57
Heptachlor epoxide	ND		0.00022	0.0020	2	09/19/2020 07:57
Hexachlorobenzene	ND		0.00058	0.020	2	09/19/2020 07:57
Hexachlorocyclopentadiene	ND		0.00072	0.040	2	09/19/2020 07:57
Methoxychlor	ND		0.00062	0.0020	2	09/19/2020 07:57
Toxaphene	ND		0.024	0.10	2	09/19/2020 07:57

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	179	S	69-143	09/19/2020 07:57

Analyst(s): BRV Analytical Comments: a3,c4

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	2009829-017A	Soil	09/16/2020 15:20	GC23 09182077.d	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.0012	0.010	10	09/19/2020 08:13
a-BHC	ND		0.0027	0.010	10	09/19/2020 08:13
b-BHC	ND		0.00092	0.010	10	09/19/2020 08:13
d-BHC	ND		0.0015	0.010	10	09/19/2020 08:13
g-BHC	ND		0.0014	0.010	10	09/19/2020 08:13
Chlordane (Technical)	ND		0.025	0.25	10	09/19/2020 08:13
a-Chlordane	ND		0.0012	0.010	10	09/19/2020 08:13
g-Chlordane	ND		0.00099	0.010	10	09/19/2020 08:13
p,p-DDD	**0.0044**	J	0.0015	0.010	10	09/19/2020 08:13
p,p-DDE	**0.11**		0.0014	0.010	10	09/19/2020 08:13
p,p-DDT	**0.026**		0.0020	0.010	10	09/19/2020 08:13
Dieldrin	ND		0.0012	0.010	10	09/19/2020 08:13
Endosulfan I	ND		0.0013	0.010	10	09/19/2020 08:13
Endosulfan II	ND		0.0013	0.010	10	09/19/2020 08:13
Endosulfan sulfate	ND		0.0013	0.010	10	09/19/2020 08:13
Endrin	ND		0.0010	0.010	10	09/19/2020 08:13
Endrin aldehyde	ND		0.0011	0.010	10	09/19/2020 08:13
Endrin ketone	ND		0.0014	0.010	10	09/19/2020 08:13
Heptachlor	ND		0.0017	0.010	10	09/19/2020 08:13
Heptachlor epoxide	ND		0.0011	0.010	10	09/19/2020 08:13
Hexachlorobenzene	ND		0.0029	0.10	10	09/19/2020 08:13
Hexachlorocyclopentadiene	ND		0.0036	0.20	10	09/19/2020 08:13
Methoxychlor	ND		0.0031	0.010	10	09/19/2020 08:13
Toxaphene	ND		0.12	0.50	10	09/19/2020 08:13

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	69-143	09/19/2020 08:13

Analyst(s): BRV Analytical Comments: a3

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CA ELAP 1644 • NELAP 4033ORELAP

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3550B
Date Prepared:	09/17/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-10-1	2009829-019A	Soil	09/16/2020 10:10	GC20 09172054.D	205747

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00012	0.0010	1	09/18/2020 04:25
a-BHC	ND		0.00027	0.0010	1	09/18/2020 04:25
b-BHC	ND		0.000092	0.0010	1	09/18/2020 04:25
d-BHC	ND		0.00015	0.0010	1	09/18/2020 04:25
g-BHC	ND		0.00014	0.0010	1	09/18/2020 04:25
Chlordane (Technical)	ND		0.0025	0.025	1	09/18/2020 04:25
a-Chlordane	ND		0.00012	0.0010	1	09/18/2020 04:25
g-Chlordane	ND		0.000099	0.0010	1	09/18/2020 04:25
p,p-DDD	ND		0.00015	0.0010	1	09/18/2020 04:25
p,p-DDE	**0.00057**	JP	0.00014	0.0010	1	09/18/2020 04:25
p,p-DDT	**0.00025**	JP	0.00020	0.0010	1	09/18/2020 04:25
Dieldrin	ND		0.00012	0.0010	1	09/18/2020 04:25
Endosulfan I	ND		0.00013	0.0010	1	09/18/2020 04:25
Endosulfan II	ND		0.00013	0.0010	1	09/18/2020 04:25
Endosulfan sulfate	ND		0.00013	0.0010	1	09/18/2020 04:25
Endrin	ND		0.00010	0.0010	1	09/18/2020 04:25
Endrin aldehyde	ND		0.00011	0.0010	1	09/18/2020 04:25
Endrin ketone	ND		0.00014	0.0010	1	09/18/2020 04:25
Heptachlor	ND		0.00017	0.0010	1	09/18/2020 04:25
Heptachlor epoxide	ND		0.00011	0.0010	1	09/18/2020 04:25
Hexachlorobenzene	ND		0.00029	0.010	1	09/18/2020 04:25
Hexachlorocyclopentadiene	ND		0.00036	0.020	1	09/18/2020 04:25
Methoxychlor	ND		0.00031	0.0010	1	09/18/2020 04:25
Toxaphene	ND		0.012	0.050	1	09/18/2020 04:25

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	94	69-143	09/18/2020 04:25

Analyst(s): CK

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	CA Title 22/SW3510C
Date Prepared:	09/30/2020-10/01/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/L

Organochlorine Pesticides (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-3-1	2009829-005A	Soil	09/16/2020 13:10	GC40 10012061.d	206551

Analytes	Result	MDL	RL	DF	Date Analyzed
p,p-DDE	ND	0.000025	0.000025	1	10/01/2020 22:55
p,p-DDT	ND	0.000025	0.000025	1	10/01/2020 22:55

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	113	70-130	10/01/2020 22:55

Analyst(s): CN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-1	2009829-007A	Soil	09/16/2020 08:10	GC40 10012062.d	206551

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
p,p-DDE	**0.000025**	P	0.000025	0.000025	1	10/01/2020 23:09
p,p-DDT	ND		0.000025	0.000025	1	10/01/2020 23:09

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	111	70-130	10/01/2020 23:09

Analyst(s): CN

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-5-1	2009829-009A	Soil	09/16/2020 11:50	GC40 10012063.d	206551

Analytes	Result	MDL	RL	DF	Date Analyzed
p,p-DDE	ND	0.000025	0.000025	1	10/01/2020 23:23

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	118	70-130	10/01/2020 23:23

Analyst(s): CN

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	CA Title 22/SW3510C
Date Prepared:	09/30/2020-10/01/2020	**Analytical Method:**	SW8081A
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/L

Organochlorine Pesticides (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	**2009829-017A**	**Soil**	**09/16/2020 15:20**	**GC40 10022037.d**	**206625**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
p,p-DDE	**0.000025**	H	0.000025	0.000025	1	10/02/2020 18:57

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	106	H	70-130	10/02/2020 18:57

Analyst(s): CN

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-5	2009835-001A	Soil	09/16/2020 09:45	GC18 10142013.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	ND	H	0.12	0.20	1	10/14/2020 15:01
tert-Amyl methyl ether (TAME)	ND	H	0.00074	0.0050	1	10/14/2020 15:01
Benzene	ND	H	0.00087	0.0050	1	10/14/2020 15:01
Bromobenzene	ND	H	0.00091	0.0050	1	10/14/2020 15:01
Bromochloromethane	ND	H	0.00091	0.0050	1	10/14/2020 15:01
Bromodichloromethane	ND	H	0.000094	0.0050	1	10/14/2020 15:01
Bromoform	ND	H	0.0039	0.0050	1	10/14/2020 15:01
Bromomethane	ND	H	0.0025	0.0050	1	10/14/2020 15:01
2-Butanone (MEK)	ND	H	0.023	0.050	1	10/14/2020 15:01
t-Butyl alcohol (TBA)	ND	H	0.023	0.050	1	10/14/2020 15:01
n-Butyl benzene	ND	H	0.0014	0.0050	1	10/14/2020 15:01
sec-Butyl benzene	ND	H	0.0015	0.0050	1	10/14/2020 15:01
tert-Butyl benzene	ND	H	0.0017	0.0050	1	10/14/2020 15:01
Carbon Disulfide	ND	H	0.0015	0.0050	1	10/14/2020 15:01
Carbon Tetrachloride	ND	H	0.00012	0.0050	1	10/14/2020 15:01
Chlorobenzene	ND	H	0.00087	0.0050	1	10/14/2020 15:01
Chloroethane	ND	H	0.0016	0.0050	1	10/14/2020 15:01
Chloroform	ND	H	0.00019	0.0050	1	10/14/2020 15:01
Chloromethane	ND	H	0.0017	0.0050	1	10/14/2020 15:01
2-Chlorotoluene	ND	H	0.0013	0.0050	1	10/14/2020 15:01
4-Chlorotoluene	ND	H	0.0010	0.0050	1	10/14/2020 15:01
Dibromochloromethane	ND	H	0.00042	0.0050	1	10/14/2020 15:01
1,2-Dibromo-3-chloropropane	ND	H	0.00049	0.00050	1	10/14/2020 15:01
1,2-Dibromoethane (EDB)	ND	H	0.00012	0.00025	1	10/14/2020 15:01
Dibromomethane	ND	H	0.00095	0.0050	1	10/14/2020 15:01
1,2-Dichlorobenzene	ND	H	0.0023	0.0050	1	10/14/2020 15:01
1,3-Dichlorobenzene	ND	H	0.0010	0.0050	1	10/14/2020 15:01
1,4-Dichlorobenzene	ND	H	0.0010	0.0050	1	10/14/2020 15:01
Dichlorodifluoromethane	ND	H	0.0017	0.0050	1	10/14/2020 15:01
1,1-Dichloroethane	ND	H	0.00081	0.0050	1	10/14/2020 15:01
1,2-Dichloroethane (1,2-DCA)	ND	H	0.000071	0.0040	1	10/14/2020 15:01
1,1-Dichloroethene	ND	H	0.000069	0.0050	1	10/14/2020 15:01
cis-1,2-Dichloroethene	ND	H	0.00075	0.0050	1	10/14/2020 15:01
trans-1,2-Dichloroethene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
1,2-Dichloropropane	ND	H	0.00078	0.0050	1	10/14/2020 15:01
1,3-Dichloropropane	ND	H	0.0010	0.0050	1	10/14/2020 15:01
2,2-Dichloropropane	ND	H	0.0012	0.0050	1	10/14/2020 15:01

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-5	2009835-001A	Soil	09/16/2020 09:45	GC18 10142013.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	H	0.00096	0.0050	1	10/14/2020 15:01
cis-1,3-Dichloropropene	ND	H	0.00066	0.0050	1	10/14/2020 15:01
trans-1,3-Dichloropropene	ND	H	0.00067	0.0050	1	10/14/2020 15:01
Diisopropyl ether (DIPE)	ND	H	0.00078	0.0050	1	10/14/2020 15:01
Ethylbenzene	ND	H	0.0011	0.0050	1	10/14/2020 15:01
Ethyl tert-butyl ether (ETBE)	ND	H	0.00073	0.0050	1	10/14/2020 15:01
Freon 113	ND	H	0.0011	0.0050	1	10/14/2020 15:01
Hexachlorobutadiene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
Hexachloroethane	ND	H	0.00067	0.0050	1	10/14/2020 15:01
2-Hexanone	ND	H	0.0043	0.0050	1	10/14/2020 15:01
Isopropylbenzene	ND	H	0.0014	0.0050	1	10/14/2020 15:01
4-Isopropyl toluene	ND	H	0.0013	0.0050	1	10/14/2020 15:01
Methyl-t-butyl ether (MTBE)	ND	H	0.0014	0.0050	1	10/14/2020 15:01
Methylene chloride	ND	H	0.0058	0.020	1	10/14/2020 15:01
4-Methyl-2-pentanone (MIBK)	ND	H	0.0015	0.0050	1	10/14/2020 15:01
Naphthalene	ND	H	0.0022	0.0050	1	10/14/2020 15:01
n-Propyl benzene	ND	H	0.0016	0.0050	1	10/14/2020 15:01
Styrene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
1,1,1,2-Tetrachloroethane	ND	H	0.0010	0.0050	1	10/14/2020 15:01
1,1,2,2-Tetrachloroethane	ND	H	0.00028	0.0050	1	10/14/2020 15:01
Tetrachloroethene	ND	H	0.00031	0.0050	1	10/14/2020 15:01
Toluene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
1,2,3-Trichlorobenzene	ND	H	0.0017	0.0050	1	10/14/2020 15:01
1,2,4-Trichlorobenzene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
1,1,1-Trichloroethane	ND	H	0.00084	0.0050	1	10/14/2020 15:01
1,1,2-Trichloroethane	ND	H	0.00092	0.0050	1	10/14/2020 15:01
Trichloroethene	ND	H	0.00081	0.0050	1	10/14/2020 15:01
Trichlorofluoromethane	ND	H	0.0013	0.0050	1	10/14/2020 15:01
1,2,3-Trichloropropane	ND	H	0.00015	0.00025	1	10/14/2020 15:01
1,2,4-Trimethylbenzene	ND	H	0.0032	0.0050	1	10/14/2020 15:01
1,3,5-Trimethylbenzene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
Vinyl Chloride	ND	H	0.00013	0.00025	1	10/14/2020 15:01
m,p-Xylene	ND	H	0.0025	0.0050	1	10/14/2020 15:01
o-Xylene	ND	H	0.0012	0.0050	1	10/14/2020 15:01
Xylenes, Total	ND	H	NA	0.0050	1	10/14/2020 15:01

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-5	2009835-001A	Soil	09/16/2020 09:45	GC18 10142013.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**		**Limits**		
Dibromofluoromethane	92	H		66-116		10/14/2020 15:01
Toluene-d8	112	SH		86-110		10/14/2020 15:01
4-BFB	109	H		71-114		10/14/2020 15:01
Benzene-d6	92	H		62-122		10/14/2020 15:01
Ethylbenzene-d10	111	H		69-130		10/14/2020 15:01
1,2-DCB-d4	77	H		55-108		10/14/2020 15:01

Analyst(s): LT Analytical Comments: c2

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-5	2009835-003A	Soil	09/16/2020 08:20	GC18 10142014.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acetone	ND	H	0.12	0.20	1	10/14/2020 15:43
tert-Amyl methyl ether (TAME)	ND	H	0.00074	0.0050	1	10/14/2020 15:43
Benzene	ND	H	0.00087	0.0050	1	10/14/2020 15:43
Bromobenzene	ND	H	0.00091	0.0050	1	10/14/2020 15:43
Bromochloromethane	ND	H	0.00091	0.0050	1	10/14/2020 15:43
Bromodichloromethane	ND	H	0.000094	0.0050	1	10/14/2020 15:43
Bromoform	ND	H	0.0039	0.0050	1	10/14/2020 15:43
Bromomethane	ND	H	0.0025	0.0050	1	10/14/2020 15:43
2-Butanone (MEK)	ND	H	0.023	0.050	1	10/14/2020 15:43
t-Butyl alcohol (TBA)	ND	H	0.023	0.050	1	10/14/2020 15:43
n-Butyl benzene	ND	H	0.0014	0.0050	1	10/14/2020 15:43
sec-Butyl benzene	ND	H	0.0015	0.0050	1	10/14/2020 15:43
tert-Butyl benzene	ND	H	0.0017	0.0050	1	10/14/2020 15:43
Carbon Disulfide	ND	H	0.0015	0.0050	1	10/14/2020 15:43
Carbon Tetrachloride	ND	H	0.00012	0.0050	1	10/14/2020 15:43
Chlorobenzene	ND	H	0.00087	0.0050	1	10/14/2020 15:43
Chloroethane	ND	H	0.0016	0.0050	1	10/14/2020 15:43
Chloroform	ND	H	0.00019	0.0050	1	10/14/2020 15:43
Chloromethane	ND	H	0.0017	0.0050	1	10/14/2020 15:43
2-Chlorotoluene	ND	H	0.0013	0.0050	1	10/14/2020 15:43
4-Chlorotoluene	ND	H	0.0010	0.0050	1	10/14/2020 15:43
Dibromochloromethane	ND	H	0.00042	0.0050	1	10/14/2020 15:43
1,2-Dibromo-3-chloropropane	ND	H	0.00049	0.00050	1	10/14/2020 15:43
1,2-Dibromoethane (EDB)	ND	H	0.00012	0.00025	1	10/14/2020 15:43
Dibromomethane	ND	H	0.00095	0.0050	1	10/14/2020 15:43
1,2-Dichlorobenzene	ND	H	0.0023	0.0050	1	10/14/2020 15:43
1,3-Dichlorobenzene	ND	H	0.0010	0.0050	1	10/14/2020 15:43
1,4-Dichlorobenzene	ND	H	0.0010	0.0050	1	10/14/2020 15:43
Dichlorodifluoromethane	ND	H	0.0017	0.0050	1	10/14/2020 15:43
1,1-Dichloroethane	ND	H	0.00081	0.0050	1	10/14/2020 15:43
1,2-Dichloroethane (1,2-DCA)	ND	H	0.000071	0.0040	1	10/14/2020 15:43
1,1-Dichloroethene	ND	H	0.000069	0.0050	1	10/14/2020 15:43
cis-1,2-Dichloroethene	ND	H	0.00075	0.0050	1	10/14/2020 15:43
trans-1,2-Dichloroethene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
1,2-Dichloropropane	ND	H	0.00078	0.0050	1	10/14/2020 15:43
1,3-Dichloropropane	ND	H	0.0010	0.0050	1	10/14/2020 15:43
2,2-Dichloropropane	ND	H	0.0012	0.0050	1	10/14/2020 15:43

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-5	2009835-003A	Soil	09/16/2020 08:20	GC18 10142014.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	H	0.00096	0.0050	1	10/14/2020 15:43
cis-1,3-Dichloropropene	ND	H	0.00066	0.0050	1	10/14/2020 15:43
trans-1,3-Dichloropropene	ND	H	0.00067	0.0050	1	10/14/2020 15:43
Diisopropyl ether (DIPE)	ND	H	0.00078	0.0050	1	10/14/2020 15:43
Ethylbenzene	ND	H	0.0011	0.0050	1	10/14/2020 15:43
Ethyl tert-butyl ether (ETBE)	ND	H	0.00073	0.0050	1	10/14/2020 15:43
Freon 113	ND	H	0.0011	0.0050	1	10/14/2020 15:43
Hexachlorobutadiene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
Hexachloroethane	ND	H	0.00067	0.0050	1	10/14/2020 15:43
2-Hexanone	ND	H	0.0043	0.0050	1	10/14/2020 15:43
Isopropylbenzene	ND	H	0.0014	0.0050	1	10/14/2020 15:43
4-Isopropyl toluene	ND	H	0.0013	0.0050	1	10/14/2020 15:43
Methyl-t-butyl ether (MTBE)	ND	H	0.0014	0.0050	1	10/14/2020 15:43
Methylene chloride	ND	H	0.0058	0.020	1	10/14/2020 15:43
4-Methyl-2-pentanone (MIBK)	ND	H	0.0015	0.0050	1	10/14/2020 15:43
Naphthalene	ND	H	0.0022	0.0050	1	10/14/2020 15:43
n-Propyl benzene	ND	H	0.0016	0.0050	1	10/14/2020 15:43
Styrene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
1,1,1,2-Tetrachloroethane	ND	H	0.0010	0.0050	1	10/14/2020 15:43
1,1,2,2-Tetrachloroethane	ND	H	0.00028	0.0050	1	10/14/2020 15:43
Tetrachloroethene	ND	H	0.00031	0.0050	1	10/14/2020 15:43
Toluene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
1,2,3-Trichlorobenzene	ND	H	0.0017	0.0050	1	10/14/2020 15:43
1,2,4-Trichlorobenzene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
1,1,1-Trichloroethane	ND	H	0.00084	0.0050	1	10/14/2020 15:43
1,1,2-Trichloroethane	ND	H	0.00092	0.0050	1	10/14/2020 15:43
Trichloroethene	ND	H	0.00081	0.0050	1	10/14/2020 15:43
Trichlorofluoromethane	ND	H	0.0013	0.0050	1	10/14/2020 15:43
1,2,3-Trichloropropane	ND	H	0.00015	0.00025	1	10/14/2020 15:43
1,2,4-Trimethylbenzene	ND	H	0.0032	0.0050	1	10/14/2020 15:43
1,3,5-Trimethylbenzene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
Vinyl Chloride	ND	H	0.00013	0.00025	1	10/14/2020 15:43
m,p-Xylene	ND	H	0.0025	0.0050	1	10/14/2020 15:43
o-Xylene	ND	H	0.0012	0.0050	1	10/14/2020 15:43
Xylenes, Total	ND	H	NA	0.0050	1	10/14/2020 15:43

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-5	2009835-003A	Soil	09/16/2020 08:20	GC18 10142014.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Qualifiers**		**Limits**		
Dibromofluoromethane	92	H		66-116		10/14/2020 15:43
Toluene-d8	110	SH		86-110		10/14/2020 15:43
4-BFB	104	H		71-114		10/14/2020 15:43
Benzene-d6	89	H		62-122		10/14/2020 15:43
Ethylbenzene-d10	108	H		69-130		10/14/2020 15:43
1,2-DCB-d4	74	H		55-108		10/14/2020 15:43

Analyst(s): LT

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW5030B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8260B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/kg

TPH(g)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-5	2009835-001A	Soil	09/16/2020 09:45	GC18 10142013.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	H	0.25	0.25	1	10/14/2020 15:01

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Dibromofluoromethane	81	H	66-116	10/14/2020 15:01
Benzene-D6	83	H	62-122	10/14/2020 15:01

Analyst(s): JEM

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-5	2009835-003A	Soil	09/16/2020 08:20	GC18 10142014.D	207247

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	H	0.25	0.25	1	10/14/2020 15:43

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Dibromofluoromethane	81	H	66-116	10/14/2020 15:43
Benzene-D6	81	H	62-122	10/14/2020 15:43

Analyst(s): JEM

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/28/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-3	2009829-008A	Soil	09/16/2020 08:15	ICP-MS4 189SMPL.d	206353

Analytes	Result	MDL	RL	DF	Date Analyzed
Arsenic	**5.6**	0.15	0.50	1	09/29/2020 14:01

Surrogates	REC (%)	Limits	
Terbium	92	70-130	09/29/2020 14:01

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-3	2009829-018A	Soil	09/16/2020 15:30	ICP-MS4 206SMPL.d	206353

Analytes	Result	MDL	RL	DF	Date Analyzed
Arsenic	**7.4**	0.15	0.50	1	09/29/2020 14:59

Surrogates	REC (%)	Limits	
Terbium	97	70-130	09/29/2020 14:59

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-1	2009829-001A	Soil	09/16/2020 09:10	ICP-MS4 126SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.27**	J	0.16	0.50	1	09/18/2020 09:52
Arsenic	**5.6**		0.15	0.50	1	09/18/2020 09:52
Barium	**190**		0.57	5.0	1	09/18/2020 09:52
Beryllium	**0.52**		0.073	0.50	1	09/18/2020 09:52
Cadmium	**0.14**	J	0.061	0.50	1	09/18/2020 09:52
Chromium	**48**		0.13	0.50	1	09/18/2020 09:52
Cobalt	**8.5**		0.052	0.50	1	09/18/2020 09:52
Copper	**14**	B	0.18	0.50	1	09/18/2020 09:52
Lead	**5.6**		0.14	0.50	1	09/18/2020 09:52
Mercury	**0.049**	J	0.032	0.050	1	09/18/2020 09:52
Molybdenum	**0.22**	J	0.16	0.50	1	09/18/2020 09:52
Nickel	**49**		0.17	0.50	1	09/18/2020 09:52
Selenium	**0.84**		0.15	0.50	1	09/18/2020 09:52
Silver	ND		0.12	0.50	1	09/18/2020 09:52
Thallium	**0.093**	J	0.067	0.50	1	09/18/2020 09:52
Vanadium	**51**		0.13	0.50	1	09/18/2020 09:52
Zinc	**45**		3.0	5.0	1	09/18/2020 09:52

Surrogates	REC (%)	Limits	
Terbium	105	70-130	09/18/2020 09:52

Analyst(s): DB

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-2-1	2009829-003A	Soil	09/16/2020 13:30	ICP-MS4 214SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.20**	J	0.16	0.50	1	09/18/2020 20:28
Arsenic	**4.6**		0.15	0.50	1	09/18/2020 20:28
Barium	**170**		0.57	5.0	1	09/18/2020 20:28
Beryllium	**0.42**	J	0.073	0.50	1	09/18/2020 20:28
Cadmium	**0.13**	J	0.061	0.50	1	09/18/2020 20:28
Chromium	**41**		0.13	0.50	1	09/18/2020 20:28
Cobalt	**7.0**		0.052	0.50	1	09/18/2020 20:28
Copper	**15**	B	0.18	0.50	1	09/18/2020 20:28
Lead	**7.2**		0.14	0.50	1	09/18/2020 20:28
Mercury	ND		0.032	0.050	1	09/18/2020 20:28
Molybdenum	**0.25**	J	0.16	0.50	1	09/18/2020 20:28
Nickel	**42**		0.17	0.50	1	09/18/2020 20:28
Selenium	**0.62**		0.15	0.50	1	09/18/2020 20:28
Silver	ND		0.12	0.50	1	09/18/2020 20:28
Thallium	**0.085**	J	0.067	0.50	1	09/18/2020 20:28
Vanadium	**42**		0.13	0.50	1	09/18/2020 20:28
Zinc	**40**		3.0	5.0	1	09/18/2020 20:28

Surrogates	REC (%)	Limits	
Terbium	109	70-130	09/18/2020 20:28

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-3-1	2009829-005A	Soil	09/16/2020 13:10	ICP-MS4 215SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.21**	J	0.16	0.50	1	09/18/2020 20:32
Arsenic	**9.0**		0.15	0.50	1	09/18/2020 20:32
Barium	**170**		0.57	5.0	1	09/18/2020 20:32
Beryllium	**0.43**	J	0.073	0.50	1	09/18/2020 20:32
Cadmium	**0.15**	J	0.061	0.50	1	09/18/2020 20:32
Chromium	**43**		0.13	0.50	1	09/18/2020 20:32
Cobalt	**7.8**		0.052	0.50	1	09/18/2020 20:32
Copper	**18**	B	0.18	0.50	1	09/18/2020 20:32
Lead	**20**		0.14	0.50	1	09/18/2020 20:32
Mercury	**0.049**	J	0.032	0.050	1	09/18/2020 20:32
Molybdenum	**0.26**	J	0.16	0.50	1	09/18/2020 20:32
Nickel	**42**		0.17	0.50	1	09/18/2020 20:32
Selenium	**0.63**		0.15	0.50	1	09/18/2020 20:32
Silver	ND		0.12	0.50	1	09/18/2020 20:32
Thallium	**0.095**	J	0.067	0.50	1	09/18/2020 20:32
Vanadium	**43**		0.13	0.50	1	09/18/2020 20:32
Zinc	**44**		3.0	5.0	1	09/18/2020 20:32

Surrogates	REC (%)	Limits	
Terbium	103	70-130	09/18/2020 20:32

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-1	2009829-007A	Soil	09/16/2020 08:10	ICP-MS4 216SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.25**	J	0.16	0.50	1	09/18/2020 20:35
Arsenic	**13**		0.15	0.50	1	09/18/2020 20:35
Barium	**180**		0.57	5.0	1	09/18/2020 20:35
Beryllium	**0.46**	J	0.073	0.50	1	09/18/2020 20:35
Cadmium	**0.26**	J	0.061	0.50	1	09/18/2020 20:35
Chromium	**42**		0.13	0.50	1	09/18/2020 20:35
Cobalt	**8.0**		0.052	0.50	1	09/18/2020 20:35
Copper	**20**	B	0.18	0.50	1	09/18/2020 20:35
Lead	**41**		0.14	0.50	1	09/18/2020 20:35
Mercury	ND		0.032	0.050	1	09/18/2020 20:35
Molybdenum	**0.30**	J	0.16	0.50	1	09/18/2020 20:35
Nickel	**39**		0.17	0.50	1	09/18/2020 20:35
Selenium	**0.85**		0.15	0.50	1	09/18/2020 20:35
Silver	ND		0.12	0.50	1	09/18/2020 20:35
Thallium	**0.10**	J	0.067	0.50	1	09/18/2020 20:35
Vanadium	**43**		0.13	0.50	1	09/18/2020 20:35
Zinc	**50**		3.0	5.0	1	09/18/2020 20:35

Surrogates	REC (%)	Limits	
Terbium	109	70-130	09/18/2020 20:35

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-5-1	2009829-009A	Soil	09/16/2020 11:50	ICP-MS4 217SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.21**	J	0.16	0.50	1	09/18/2020 20:38
Arsenic	**7.7**		0.15	0.50	1	09/18/2020 20:38
Barium	**170**		0.57	5.0	1	09/18/2020 20:38
Beryllium	**0.40**	J	0.073	0.50	1	09/18/2020 20:38
Cadmium	**0.20**	J	0.061	0.50	1	09/18/2020 20:38
Chromium	**44**		0.13	0.50	1	09/18/2020 20:38
Cobalt	**8.0**		0.052	0.50	1	09/18/2020 20:38
Copper	**22**	B	0.18	0.50	1	09/18/2020 20:38
Lead	**17**		0.14	0.50	1	09/18/2020 20:38
Mercury	ND		0.032	0.050	1	09/18/2020 20:38
Molybdenum	**0.34**	J	0.16	0.50	1	09/18/2020 20:38
Nickel	**49**		0.17	0.50	1	09/18/2020 20:38
Selenium	**0.80**		0.15	0.50	1	09/18/2020 20:38
Silver	ND		0.12	0.50	1	09/18/2020 20:38
Thallium	**0.086**	J	0.067	0.50	1	09/18/2020 20:38
Vanadium	**41**		0.13	0.50	1	09/18/2020 20:38
Zinc	**48**		3.0	5.0	1	09/18/2020 20:38

Surrogates	REC (%)	Limits	
Terbium	108	70-130	09/18/2020 20:38

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-6-1	2009829-011A	Soil	09/16/2020 11:10	ICP-MS4 218SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.18**	J	0.16	0.50	1	09/18/2020 20:42
Arsenic	**7.1**		0.15	0.50	1	09/18/2020 20:42
Barium	**180**		0.57	5.0	1	09/18/2020 20:42
Beryllium	**0.40**	J	0.073	0.50	1	09/18/2020 20:42
Cadmium	**0.16**	J	0.061	0.50	1	09/18/2020 20:42
Chromium	**40**		0.13	0.50	1	09/18/2020 20:42
Cobalt	**7.1**		0.052	0.50	1	09/18/2020 20:42
Copper	**14**	B	0.18	0.50	1	09/18/2020 20:42
Lead	**10**		0.14	0.50	1	09/18/2020 20:42
Mercury	ND		0.032	0.050	1	09/18/2020 20:42
Molybdenum	**0.30**	J	0.16	0.50	1	09/18/2020 20:42
Nickel	**39**		0.17	0.50	1	09/18/2020 20:42
Selenium	**0.62**		0.15	0.50	1	09/18/2020 20:42
Silver	ND		0.12	0.50	1	09/18/2020 20:42
Thallium	**0.091**	J	0.067	0.50	1	09/18/2020 20:42
Vanadium	**40**		0.13	0.50	1	09/18/2020 20:42
Zinc	**43**		3.0	5.0	1	09/18/2020 20:42

Surrogates	REC (%)	Limits	
Terbium	107	70-130	09/18/2020 20:42

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-7-1	2009829-013A	Soil	09/16/2020 14:10	ICP-MS4 219SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.19**	J	0.16	0.50	1	09/18/2020 20:45
Arsenic	**4.7**		0.15	0.50	1	09/18/2020 20:45
Barium	**160**		0.57	5.0	1	09/18/2020 20:45
Beryllium	**0.47**	J	0.073	0.50	1	09/18/2020 20:45
Cadmium	**0.13**	J	0.061	0.50	1	09/18/2020 20:45
Chromium	**40**		0.13	0.50	1	09/18/2020 20:45
Cobalt	**6.2**		0.052	0.50	1	09/18/2020 20:45
Copper	**15**	B	0.18	0.50	1	09/18/2020 20:45
Lead	**12**		0.14	0.50	1	09/18/2020 20:45
Mercury	ND		0.032	0.050	1	09/18/2020 20:45
Molybdenum	**0.24**	J	0.16	0.50	1	09/18/2020 20:45
Nickel	**37**		0.17	0.50	1	09/18/2020 20:45
Selenium	**0.63**		0.15	0.50	1	09/18/2020 20:45
Silver	ND		0.12	0.50	1	09/18/2020 20:45
Thallium	**0.10**	J	0.067	0.50	1	09/18/2020 20:45
Vanadium	**38**		0.13	0.50	1	09/18/2020 20:45
Zinc	**42**		3.0	5.0	1	09/18/2020 20:45

Surrogates	REC (%)	Limits	
Terbium	107	70-130	09/18/2020 20:45

Analyst(s): WV

(Cont.)

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-8-1	2009829-015A	Soil	09/16/2020 14:50	ICP-MS4 220SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.24**	J	0.16	0.50	1	09/18/2020 20:49
Arsenic	**5.7**		0.15	0.50	1	09/18/2020 20:49
Barium	**160**		0.57	5.0	1	09/18/2020 20:49
Beryllium	**0.36**	J	0.073	0.50	1	09/18/2020 20:49
Cadmium	**0.13**	J	0.061	0.50	1	09/18/2020 20:49
Chromium	**45**		0.13	0.50	1	09/18/2020 20:49
Cobalt	**8.7**		0.052	0.50	1	09/18/2020 20:49
Copper	**21**	B	0.18	0.50	1	09/18/2020 20:49
Lead	**9.1**		0.14	0.50	1	09/18/2020 20:49
Mercury	ND		0.032	0.050	1	09/18/2020 20:49
Molybdenum	**0.34**	J	0.16	0.50	1	09/18/2020 20:49
Nickel	**53**		0.17	0.50	1	09/18/2020 20:49
Selenium	**0.78**		0.15	0.50	1	09/18/2020 20:49
Silver	ND		0.12	0.50	1	09/18/2020 20:49
Thallium	**0.085**	J	0.067	0.50	1	09/18/2020 20:49
Vanadium	**43**		0.13	0.50	1	09/18/2020 20:49
Zinc	**46**		3.0	5.0	1	09/18/2020 20:49

Surrogates	REC (%)	Limits	
Terbium	121	70-130	09/18/2020 20:49

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	2009829-017A	Soil	09/16/2020 15:20	ICP-MS4 224SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.36**	J	0.16	0.50	1	09/18/2020 21:02
Arsenic	**13**		0.15	0.50	1	09/18/2020 21:02
Barium	**190**		0.57	5.0	1	09/18/2020 21:02
Beryllium	**0.47**	J	0.073	0.50	1	09/18/2020 21:02
Cadmium	**0.18**	J	0.061	0.50	1	09/18/2020 21:02
Chromium	**71**		0.13	0.50	1	09/18/2020 21:02
Cobalt	**9.6**		0.052	0.50	1	09/18/2020 21:02
Copper	**29**	B	0.18	0.50	1	09/18/2020 21:02
Lead	**17**		0.14	0.50	1	09/18/2020 21:02
Mercury	**0.043**	J	0.032	0.050	1	09/18/2020 21:02
Molybdenum	**0.44**	J	0.16	0.50	1	09/18/2020 21:02
Nickel	**56**		0.17	0.50	1	09/18/2020 21:02
Selenium	**0.81**		0.15	0.50	1	09/18/2020 21:02
Silver	ND		0.12	0.50	1	09/18/2020 21:02
Thallium	**0.10**	J	0.067	0.50	1	09/18/2020 21:02
Vanadium	**45**		0.13	0.50	1	09/18/2020 21:02
Zinc	**51**		3.0	5.0	1	09/18/2020 21:02

Surrogates	REC (%)	Limits	
Terbium	111	70-130	09/18/2020 21:02

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	SW3050B
Date Prepared:	09/17/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-10-1	2009829-019A	Soil	09/16/2020 10:10	ICP-MS5 115SMPL.d	205752

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Antimony	**0.22**	J	0.16	0.50	1	09/18/2020 15:43
Arsenic	**4.9**		0.15	0.50	1	09/18/2020 15:43
Barium	**200**		0.57	5.0	1	09/18/2020 15:43
Beryllium	**0.52**		0.073	0.50	1	09/18/2020 15:43
Cadmium	**0.24**	J	0.061	0.50	1	09/18/2020 15:43
Chromium	**45**		0.13	0.50	1	09/18/2020 15:43
Cobalt	**8.2**		0.052	0.50	1	09/18/2020 15:43
Copper	**14**	B	0.18	0.50	1	09/18/2020 15:43
Lead	**6.0**		0.14	0.50	1	09/18/2020 15:43
Mercury	**0.034**	J	0.032	0.050	1	09/18/2020 15:43
Molybdenum	**0.23**	J	0.16	0.50	1	09/18/2020 15:43
Nickel	**43**		0.17	0.50	1	09/18/2020 15:43
Selenium	**0.32**	J	0.15	0.50	1	09/18/2020 15:43
Silver	ND		0.12	0.50	1	09/18/2020 15:43
Thallium	**0.14**	J	0.067	0.50	1	09/18/2020 15:43
Vanadium	**47**		0.13	0.50	1	09/18/2020 15:43
Zinc	**44**		3.0	5.0	1	09/18/2020 15:43

Surrogates	REC (%)	Limits	
Terbium	106	70-130	09/18/2020 15:43

Analyst(s): MIG

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Received:	09/16/2020 17:14	**Extraction Method:**	CA Title 22
Date Prepared:	10/07/2020	**Analytical Method:**	SW6020
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-9-1	**2009829-017A**	**Soil**	**09/16/2020 15:20**	**ICP-MS4 149SMPL.d**	**206979**

Analytes	Result	MDL	RL	DF	Date Analyzed
Chromium	**0.48**	0.10	0.10	1	10/12/2020 11:35

Analyst(s): WV

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Analytical Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Received:	09/16/2020 16:20	**Extraction Method:**	SW3550B
Date Prepared:	10/13/2020	**Analytical Method:**	SW8015B
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-1-5	2009835-001A	Soil	09/16/2020 09:45	GC9a 10132054.D	207242

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	H	0.75	1.0	1	10/14/2020 03:50
TPH-Motor Oil (C18-C36)	ND	H	3.9	5.0	1	10/14/2020 03:50

Surrogates	REC (%)	Qualifiers	Limits	
C9	91	H	70-130	10/14/2020 03:50

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RB-4-5	2009835-003A	Soil	09/16/2020 08:20	GC11B 10142029.D	207242

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	H	0.75	1.0	1	10/14/2020 17:07
TPH-Motor Oil (C18-C36)	ND	H	3.9	5.0	1	10/14/2020 17:07

Surrogates	REC (%)	Qualifiers	Limits	
C9	116	H	70-130	10/14/2020 17:07

Analyst(s): JIS

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205747
Date Analyzed:	09/18/2020 - 09/25/2020	**Extraction Method:**	SW3550B
Instrument:	GC20, GC23, GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205747

QC Summary Report for SW8081A

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.000120	0.00100	-	-	-
a-BHC	ND	0.000270	0.00100	-	-	-
b-BHC	ND	0.0000920	0.00100	-	-	-
d-BHC	ND	0.000150	0.00100	-	-	-
g-BHC	ND	0.000140	0.00100	-	-	-
Chlordane (Technical)	ND	0.00250	0.0250	-	-	-
a-Chlordane	ND	0.000120	0.00100	-	-	-
g-Chlordane	ND	0.0000990	0.00100	-	-	-
p,p-DDD	ND	0.000150	0.00100	-	-	-
p,p-DDE	ND	0.000140	0.00100	-	-	-
p,p-DDT	ND	0.000200	0.00100	-	-	-
Dieldrin	ND	0.000120	0.00100	-	-	-
Endosulfan I	ND	0.000130	0.00100	-	-	-
Endosulfan II	ND	0.000130	0.00100	-	-	-
Endosulfan sulfate	ND	0.000130	0.00100	-	-	-
Endrin	ND	0.000100	0.00100	-	-	-
Endrin aldehyde	ND	0.000110	0.00100	-	-	-
Endrin ketone	ND	0.000140	0.00100	-	-	-
Heptachlor	ND	0.000170	0.00100	-	-	-
Heptachlor epoxide	ND	0.000110	0.00100	-	-	-
Hexachlorobenzene	ND	0.000290	0.0100	-	-	-
Hexachlorocyclopentadiene	ND	0.000360	0.0200	-	-	-
Methoxychlor	ND	0.000310	0.00100	-	-	-
Toxaphene	ND	0.0120	0.0500	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0576			0.05	115	75-136

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205747
Date Analyzed:	09/18/2020 - 09/25/2020	**Extraction Method:**	SW3550B
Instrument:	GC20, GC23, GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205747

QC Summary Report for SW8081A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.0494	0.0485	0.050	99	97	92-134	1.84	20
a-BHC	0.0521	0.0514	0.050	104	103	96-147	1.24	20
b-BHC	0.0520	0.0509	0.050	104	102	77-131	2.15	20
d-BHC	0.0541	0.0530	0.050	108	106	89-148	2.19	20
g-BHC	0.0511	0.0505	0.050	102	101	92-139	1.17	20
a-Chlordane	0.0498	0.0489	0.050	100	98	72-132	1.90	20
g-Chlordane	0.0490	0.0480	0.050	98	96	86-132	2.22	20
p,p-DDD	0.0539	0.0527	0.050	108	105	35-140	2.28	20
p,p-DDE	0.0514	0.0504	0.050	103	101	86-138	1.90	20
p,p-DDT	0.0544	0.0537	0.050	109	107	70-137	1.34	20
Dieldrin	0.0532	0.0526	0.050	106	105	99-143	1.26	20
Endosulfan I	0.0480	0.0472	0.050	96	94	93-127	1.74	20
Endosulfan II	0.0482	0.0473	0.050	96	95	74-140	2.01	20
Endosulfan sulfate	0.0484	0.0476	0.050	97	95	66-135	1.63	20
Endrin	0.0532	0.0538	0.050	106	108	92-141	1.19	20
Endrin aldehyde	0.0501	0.0492	0.050	100	98	77-135	1.84	20
Endrin ketone	0.0458	0.0446	0.050	92	89	72-125	2.76	20
Heptachlor	0.0548	0.0546	0.050	110	109	89-131	0.296	20
Heptachlor epoxide	0.0457	0.0444	0.050	91	89	85-124	2.87	20
Hexachlorobenzene	0.0453	0.0450	0.050	91	90	87-123	0.670	20
Hexachlorocyclopentadiene	0.0406	0.0427	0.050	81	85	41-153	4.98	20
Methoxychlor	0.0532	0.0521	0.050	106	104	82-147	2.03	20
Surrogate Recovery								
Decachlorobiphenyl	0.0471	0.0493	0.050	94	99	75-136	4.62	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/30/2020	**BatchID:**	206551
Date Analyzed:	10/01/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206551

QC Summary Report for SW8081A (STLC)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.0000250	0.0000250	-	-	-
a-BHC	ND	0.0000250	0.0000250	-	-	-
b-BHC	ND	0.0000250	0.0000250	-	-	-
d-BHC	ND	0.0000250	0.0000250	-	-	-
g-BHC	ND	0.0000250	0.0000250	-	-	-
Chlordane (Technical)	ND	0.000630	0.000630	-	-	-
a-Chlordane	ND	0.0000250	0.0000250	-	-	-
g-Chlordane	ND	0.0000250	0.0000250	-	-	-
p,p-DDD	ND	0.0000250	0.0000250	-	-	-
p,p-DDE	ND	0.0000250	0.0000250	-	-	-
p,p-DDT	ND	0.0000250	0.0000250	-	-	-
Dieldrin	ND	0.0000250	0.0000250	-	-	-
Endosulfan I	ND	0.0000250	0.0000250	-	-	-
Endosulfan II	ND	0.0000250	0.0000250	-	-	-
Endosulfan sulfate	ND	0.0000250	0.0000250	-	-	-
Endrin	ND	0.0000250	0.0000250	-	-	-
Endrin aldehyde	ND	0.0000250	0.0000250	-	-	-
Endrin ketone	ND	0.0000250	0.0000250	-	-	-
Heptachlor	ND	0.0000250	0.0000250	-	-	-
Heptachlor epoxide	ND	0.0000250	0.0000250	-	-	-
Hexachlorobenzene	ND	0.000250	0.000250	-	-	-
Hexachlorocyclopentadiene	ND	0.000500	0.000500	-	-	-
Methoxychlor	ND	0.0000250	0.0000250	-	-	-
Toxaphene	ND	0.00130	0.00130	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.00132			0.00125	105	70-130

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/30/2020	**BatchID:**	206551
Date Analyzed:	10/01/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206551

QC Summary Report for SW8081A (STLC)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.00111	0.00110	0.0012	89	88	70-130	0.753	20
a-BHC	0.00140	0.00138	0.0012	112	111	70-130	0.953	20
b-BHC	0.00123	0.00120	0.0012	99	96	70-130	2.42	20
d-BHC	0.00136	0.00133	0.0012	109	106	70-130	2.17	20
g-BHC	0.00135	0.00133	0.0012	108	106	70-130	1.29	20
a-Chlordane	0.00140	0.00138	0.0012	112	111	70-130	1.24	20
g-Chlordane	0.00128	0.00126	0.0012	102	101	70-130	0.901	20
p,p-DDD	0.00144	0.00144	0.0012	115	115	70-130	0.406	20
p,p-DDE	0.00141	0.00140	0.0012	113	112	70-130	0.969	20
p,p-DDT	0.00120	0.00119	0.0012	96	95	70-130	0.547	20
Dieldrin	0.00137	0.00136	0.0012	109	109	70-130	0.628	20
Endosulfan I	0.00121	0.00119	0.0012	96	95	70-130	1.37	20
Endosulfan II	0.00127	0.00125	0.0012	101	100	70-130	1.09	20
Endosulfan sulfate	0.00118	0.00116	0.0012	94	93	70-130	1.46	20
Endrin	0.00119	0.00117	0.0012	95	93	70-130	1.83	20
Endrin aldehyde	0.00152	0.00151	0.0012	122	120	70-130	1.09	20
Endrin ketone	0.00123	0.00122	0.0012	98	97	70-130	1.08	20
Heptachlor	0.00135	0.00134	0.0012	108	107	70-130	0.699	20
Heptachlor epoxide	0.00128	0.00126	0.0012	102	100	70-130	1.89	20
Hexachlorobenzene	0.00126	0.00126	0.0012	101	100	70-130	0.392	20
Hexachlorocyclopentadiene	0.00120	0.00116	0.0012	96	93	70-130	2.91	20
Methoxychlor	0.00110	0.00109	0.0012	88	87	70-130	0.493	20
Surrogate Recovery								
Decachlorobiphenyl	0.00125	0.00127	0.0012	100	102	70-130	1.19	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	10/01/2020	**BatchID:**	206625
Date Analyzed:	10/02/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206625

QC Summary Report for SW8081A (STLC)

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.0000250	0.0000250	-	-	-
a-BHC	ND	0.0000250	0.0000250	-	-	-
b-BHC	ND	0.0000250	0.0000250	-	-	-
d-BHC	ND	0.0000250	0.0000250	-	-	-
g-BHC	ND	0.0000250	0.0000250	-	-	-
Chlordane (Technical)	ND	0.000630	0.000630	-	-	-
a-Chlordane	ND	0.0000250	0.0000250	-	-	-
g-Chlordane	ND	0.0000250	0.0000250	-	-	-
p,p-DDD	ND	0.0000250	0.0000250	-	-	-
p,p-DDE	ND	0.0000250	0.0000250	-	-	-
p,p-DDT	ND	0.0000250	0.0000250	-	-	-
Dieldrin	ND	0.0000250	0.0000250	-	-	-
Endosulfan I	ND	0.0000250	0.0000250	-	-	-
Endosulfan II	ND	0.0000250	0.0000250	-	-	-
Endosulfan sulfate	ND	0.0000250	0.0000250	-	-	-
Endrin	ND	0.0000250	0.0000250	-	-	-
Endrin aldehyde	ND	0.0000250	0.0000250	-	-	-
Endrin ketone	ND	0.0000250	0.0000250	-	-	-
Heptachlor	ND	0.0000250	0.0000250	-	-	-
Heptachlor epoxide	ND	0.0000250	0.0000250	-	-	-
Hexachlorobenzene	ND	0.000250	0.000250	-	-	-
Hexachlorocyclopentadiene	ND	0.000500	0.000500	-	-	-
Methoxychlor	ND	0.0000250	0.0000250	-	-	-
Toxaphene	ND	0.00130	0.00130	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.00115			0.00125	92	70-130

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	10/01/2020	**BatchID:**	206625
Date Analyzed:	10/02/2020	**Extraction Method:**	CA Title 22/SW3510C
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206625

QC Summary Report for SW8081A (STLC)

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.00102	0.00100	0.0012	82	80	70-130	1.52	20
a-BHC	0.00136	0.00136	0.0012	109	109	70-130	0.00202	20
b-BHC	0.00123	0.00124	0.0012	98	99	70-130	1.24	20
d-BHC	0.00130	0.00128	0.0012	104	102	70-130	2.08	20
g-BHC	0.00136	0.00136	0.0012	109	109	70-130	0.534	20
a-Chlordane	0.00136	0.00138	0.0012	109	110	70-130	1.47	20
g-Chlordane	0.00121	0.00120	0.0012	97	96	70-130	1.04	20
p,p-DDD	0.00143	0.00144	0.0012	115	115	70-130	0.699	20
p,p-DDE	0.00139	0.00141	0.0012	111	112	70-130	1.04	20
p,p-DDT	0.00115	0.00120	0.0012	92	96	70-130	3.97	20
Dieldrin	0.00136	0.00137	0.0012	109	110	70-130	0.866	20
Endosulfan I	0.00119	0.00119	0.0012	95	95	70-130	0.222	20
Endosulfan II	0.00128	0.00130	0.0012	102	104	70-130	1.41	20
Endosulfan sulfate	0.00118	0.00120	0.0012	94	96	70-130	2.03	20
Endrin	0.00122	0.00124	0.0012	97	99	70-130	1.58	20
Endrin aldehyde	0.00115	0.00119	0.0012	92	95	70-130	3.21	20
Endrin ketone	0.00118	0.00126	0.0012	95	101	70-130	5.86	20
Heptachlor	0.00137	0.00138	0.0012	109	111	70-130	1.10	20
Heptachlor epoxide	0.00128	0.00128	0.0012	102	103	70-130	0.695	20
Hexachlorobenzene	0.00123	0.00123	0.0012	98	98	70-130	0.119	20
Hexachlorocyclopentadiene	0.000998	0.00107	0.0012	80	86	70-130	7.29	20
Methoxychlor	0.00110	0.00115	0.0012	88	92	70-130	4.37	20
Surrogate Recovery								
Decachlorobiphenyl	0.00121	0.00129	0.0012	96	103	70-130	6.95	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.120	0.200	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.000740	0.00500	-	-	-
Benzene	ND	0.000870	0.00500	-	-	-
Bromobenzene	ND	0.000910	0.00500	-	-	-
Bromochloromethane	ND	0.000910	0.00500	-	-	-
Bromodichloromethane	ND	0.0000940	0.00500	-	-	-
Bromoform	ND	0.00390	0.00500	-	-	-
Bromomethane	ND	0.00250	0.00500	-	-	-
2-Butanone (MEK)	ND	0.0230	0.0500	-	-	-
t-Butyl alcohol (TBA)	ND	0.0230	0.0500	-	-	-
n-Butyl benzene	ND	0.00140	0.00500	-	-	-
sec-Butyl benzene	ND	0.00150	0.00500	-	-	-
tert-Butyl benzene	ND	0.00170	0.00500	-	-	-
Carbon Disulfide	ND	0.00150	0.00500	-	-	-
Carbon Tetrachloride	ND	0.000120	0.00500	-	-	-
Chlorobenzene	ND	0.000870	0.00500	-	-	-
Chloroethane	ND	0.00160	0.00500	-	-	-
Chloroform	0.000192,J	0.000190	0.00500	-	-	-
Chloromethane	ND	0.00170	0.00500	-	-	-
2-Chlorotoluene	ND	0.00130	0.00500	-	-	-
4-Chlorotoluene	ND	0.00100	0.00500	-	-	-
Dibromochloromethane	ND	0.000420	0.00500	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.000490	0.000500	-	-	-
1,2-Dibromoethane (EDB)	ND	0.000120	0.000250	-	-	-
Dibromomethane	ND	0.000950	0.00500	-	-	-
1,2-Dichlorobenzene	ND	0.00230	0.00500	-	-	-
1,3-Dichlorobenzene	ND	0.00100	0.00500	-	-	-
1,4-Dichlorobenzene	ND	0.00100	0.00500	-	-	-
Dichlorodifluoromethane	ND	0.00170	0.00500	-	-	-
1,1-Dichloroethane	ND	0.000810	0.00500	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0000710	0.00400	-	-	-
1,1-Dichloroethene	ND	0.0000690	0.00500	-	-	-
cis-1,2-Dichloroethene	ND	0.000750	0.00500	-	-	-
trans-1,2-Dichloroethene	ND	0.00120	0.00500	-	-	-
1,2-Dichloropropane	ND	0.000780	0.00500	-	-	-
1,3-Dichloropropane	ND	0.00100	0.00500	-	-	-
2,2-Dichloropropane	ND	0.00120	0.00500	-	-	-
1,1-Dichloropropene	ND	0.000960	0.00500	-	-	-

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.000660	0.00500	-	-	-
trans-1,3-Dichloropropene	ND	0.000670	0.00500	-	-	-
Diisopropyl ether (DIPE)	ND	0.000780	0.00500	-	-	-
Ethylbenzene	ND	0.00110	0.00500	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.000730	0.00500	-	-	-
Freon 113	ND	0.00110	0.00500	-	-	-
Hexachlorobutadiene	ND	0.00120	0.00500	-	-	-
Hexachloroethane	ND	0.000670	0.00500	-	-	-
2-Hexanone	ND	0.00430	0.00500	-	-	-
Isopropylbenzene	ND	0.00140	0.00500	-	-	-
4-Isopropyl toluene	ND	0.00130	0.00500	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.00140	0.00500	-	-	-
Methylene chloride	ND	0.00580	0.0200	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.00150	0.00500	-	-	-
Naphthalene	ND	0.00220	0.00500	-	-	-
n-Propyl benzene	ND	0.00160	0.00500	-	-	-
Styrene	ND	0.00120	0.00500	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.00100	0.00500	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.000280	0.00500	-	-	-
Tetrachloroethene	ND	0.000310	0.00500	-	-	-
Toluene	ND	0.00120	0.00500	-	-	-
1,2,3-Trichlorobenzene	ND	0.00170	0.00500	-	-	-
1,2,4-Trichlorobenzene	ND	0.00120	0.00500	-	-	-
1,1,1-Trichloroethane	ND	0.000840	0.00500	-	-	-
1,1,2-Trichloroethane	ND	0.000920	0.00500	-	-	-
Trichloroethene	ND	0.000810	0.00500	-	-	-
Trichlorofluoromethane	ND	0.00130	0.00500	-	-	-
1,2,3-Trichloropropane	ND	0.000150	0.000250	-	-	-
1,2,4-Trimethylbenzene	ND	0.00320	0.00500	-	-	-
1,3,5-Trimethylbenzene	ND	0.00120	0.00500	-	-	-
Vinyl Chloride	ND	0.000130	0.000250	-	-	-
m,p-Xylene	ND	0.00250	0.00500	-	-	-
o-Xylene	ND	0.00120	0.00500	-	-	-

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.126			0.125	101	66-112
Toluene-d8	0.151			0.125	121,F3	92-109
4-BFB	0.0139			0.0125	111	72-112
Benzene-d6	0.0928			0.1	93	81-126
Ethylbenzene-d10	0.117			0.1	117	92-138
1,2-DCB-d4	0.0778			0.1	78	68-108

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.178	0.208	0.20	89	104	59-127	15.5	20
tert-Amyl methyl ether (TAME)	0.0161	0.0177	0.020	80	88	54-98	9.47	20
Benzene	0.0180	0.0200	0.020	90	100	71-115	10.7	20
Bromobenzene	0.0166	0.0162	0.020	83	81	69-120	2.13	20
Bromochloromethane	0.0162	0.0183	0.020	81	91	63-117	12.0	20
Bromodichloromethane	0.0169	0.0188	0.020	84	94	61-109	10.6	20
Bromoform	0.0128	0.0126	0.020	64	63	46-87	1.07	20
Bromomethane	0.0176	0.0202	0.020	88	101	22-195	13.5	20
2-Butanone (MEK)	0.0603	0.0669	0.080	75	84	53-124	10.5	20
t-Butyl alcohol (TBA)	0.0591	0.0711	0.080	74	89	29-142	18.5	20
n-Butyl benzene	0.0257	0.0256	0.020	129	128	102-169	0.230	20
sec-Butyl benzene	0.0243	0.0248	0.020	121	124	100-166	2.01	20
tert-Butyl benzene	0.0209	0.0208	0.020	105	104	91-153	0.566	20
Carbon Disulfide	0.0150	0.0167	0.020	75	84	60-125	10.8	20
Carbon Tetrachloride	0.0161	0.0179	0.020	81	89	69-124	10.4	20
Chlorobenzene	0.0174	0.0171	0.020	87	86	73-116	1.87	20
Chloroethane	0.0158	0.0180	0.020	79	90	47-140	13.0	20
Chloroform	0.0186	0.0210	0.020	93	105	69-118	12.1	20
Chloromethane	0.0137	0.0154	0.020	68	77	30-132	12.2	20
2-Chlorotoluene	0.0202	0.0201	0.020	101	100	75-147	0.681	20
4-Chlorotoluene	0.0197	0.0197	0.020	99	98	75-137	0.394	20
Dibromochloromethane	0.0148	0.0148	0.020	74	74	57-105	0.248	20
1,2-Dibromo-3-chloropropane	0.00609	0.00595	0.010	61	60	36-103	2.33	20
1,2-Dibromoethane (EDB)	0.00784	0.00784	0.010	78	78	66-101	0.0708	20
Dibromomethane	0.0165	0.0182	0.020	83	91	61-103	9.96	20
1,2-Dichlorobenzene	0.0148	0.0150	0.020	74	75	59-104	1.32	20
1,3-Dichlorobenzene	0.0180	0.0180	0.020	90	90	70-133	0.0332	20
1,4-Dichlorobenzene	0.0176	0.0174	0.020	88	87	68-123	1.56	20
Dichlorodifluoromethane	0.00554	0.00652	0.020	28	33	13-107	16.3	20
1,1-Dichloroethane	0.0171	0.0189	0.020	86	95	69-118	10.1	20
1,2-Dichloroethane (1,2-DCA)	0.0180	0.0200	0.020	90	100	59-112	10.9	20
1,1-Dichloroethene	0.0153	0.0171	0.020	77	86	69-126	11.2	20
cis-1,2-Dichloroethene	0.0162	0.0179	0.020	81	90	69-116	10.1	20
trans-1,2-Dichloroethene	0.0157	0.0176	0.020	79	88	73-116	11.2	20
1,2-Dichloropropane	0.0174	0.0194	0.020	87	97	65-111	11.2	20
1,3-Dichloropropane	0.0178	0.0180	0.020	89	90	67-110	1.08	20
2,2-Dichloropropane	0.0201	0.0218	0.020	100	109	65-125	8.40	20
1,1-Dichloropropene	0.0181	0.0190	0.020	91	95	70-123	4.69	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.0187	0.0186	0.020	93	93	68-126	0.743	20
trans-1,3-Dichloropropene	0.0183	0.0185	0.020	92	92	69-117	0.838	20
Diisopropyl ether (DIPE)	0.0158	0.0177	0.020	79	89	57-110	11.6	20
Ethylbenzene	0.0190	0.0190	0.020	95	95	80-128	0.289	20
Ethyl tert-butyl ether (ETBE)	0.0152	0.0171	0.020	76	86	54-106	12.0	20
Freon 113	0.0138	0.0160	0.020	69	80	60-108	14.7	20
Hexachlorobutadiene	0.0204	0.0204	0.020	102	102	67-182	0.179	20
Hexachloroethane	0.0190	0.0189	0.020	95	95	85-156	0.322	20
2-Hexanone	0.0132	0.0132	0.020	66	66	37-90	0.129	20
Isopropylbenzene	0.0221	0.0220	0.020	111	110	64-167	0.681	20
4-Isopropyl toluene	0.0223	0.0223	0.020	112	111	88-167	0.308	20
Methyl-t-butyl ether (MTBE)	0.0159	0.0175	0.020	79	88	60-102	10.0	20
Methylene chloride	0.0162	0.0183	0.020	81	92	71-117	12.4	20
4-Methyl-2-pentanone (MIBK)	0.0132	0.0133	0.020	66	67	48-90	0.630	20
Naphthalene	0.0104	0.00981	0.020	52	49	29-65	6.04	20
n-Propyl benzene	0.0231	0.0231	0.020	115	115	88-161	0.0555	20
Styrene	0.0166	0.0166	0.020	83	83	70-108	0.246	20
1,1,1,2-Tetrachloroethane	0.0164	0.0163	0.020	82	81	69-117	0.882	20
1,1,2,2-Tetrachloroethane	0.0168	0.0166	0.020	84	83	53-96	0.907	20
Tetrachloroethene	0.0174	0.0175	0.020	87	88	78-128	0.537	20
Toluene	0.0175	0.0175	0.020	88	88	78-121	0.142	20
1,2,3-Trichlorobenzene	0.0108	0.0105	0.020	54	52	35-80	2.41	20
1,2,4-Trichlorobenzene	0.0142	0.0139	0.020	71	69	46-101	1.86	20
1,1,1-Trichloroethane	0.0170	0.0190	0.020	85	95	69-121	10.9	20
1,1,2-Trichloroethane	0.0162	0.0163	0.020	81	81	64-104	0.285	20
Trichloroethene	0.0166	0.0186	0.020	83	93	73-118	11.1	20
Trichlorofluoromethane	0.0143	0.0159	0.020	72	80	31-119	10.9	20
1,2,3-Trichloropropane	0.00827	0.00811	0.010	83	81	65-107	2.04	20
1,2,4-Trimethylbenzene	0.0220	0.0219	0.020	110	109	80-147	0.362	20
1,3,5-Trimethylbenzene	0.0221	0.0222	0.020	110	111	83-156	0.335	20
Vinyl Chloride	0.00801	0.00913	0.010	80	91	40-125	13.0	20
m,p-Xylene	0.0370	0.0373	0.040	93	93	80-122	0.708	20
o-Xylene	0.0181	0.0182	0.020	90	91	79-116	0.878	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020	**Extraction Method:**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.122	0.136	0.12	98	109	66-112	11.0	20
Toluene-d8	0.148	0.151	0.12	119,F3	121,F3	92-109	1.78	20
4-BFB	0.0138	0.0137	0.012	110	109	72-112	0.935	20
Benzene-d6	0.0869	0.0987	0.10	87	99	81-126	12.8	20
Ethylbenzene-d10	0.109	0.113	0.10	109	113	92-138	3.11	20
1,2-DCB-d4	0.0775	0.0796	0.10	77	80	68-108	2.67	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207247
Date Analyzed:	10/13/2020 - 10/14/2020	**Extraction Method:**	SW5030B
Instrument:	GC18, GC28	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207247

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.250	0.250	-	-	-
Surrogate Recovery						
Dibromofluoromethane	0.0980			0.125	78	66-112
Benzene-D6	0.0873			0.1	87	81-126

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(g) (C6-C12)	0.839	0.901	1	84	90	67-117	7.10	20
Surrogate Recovery								
Dibromofluoromethane	0.0983	0.0989	0.12	79	79	66-112	0.604	20
Benzene-D6	0.0771	0.0849	0.10	77,F3	85	81-126	9.56	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/28/2020	**BatchID:**	206353
Date Analyzed:	09/29/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206353

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.150	0.500	-	-	-
Surrogate Recovery						
Terbium	522			500	104	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	57.4	55.8	50	115	112	75-125	2.72	20
Surrogate Recovery								
Terbium	527	551	500	105	110	70-130	4.40	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205752
Date Analyzed:	09/18/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205752 2009829-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.160	0.500	-	-	-
Arsenic	ND	0.150	0.500	-	-	-
Barium	ND	0.570	5.00	-	-	-
Beryllium	ND	0.0730	0.500	-	-	-
Cadmium	ND	0.0610	0.500	-	-	-
Chromium	ND	0.130	0.500	-	-	-
Cobalt	ND	0.0520	0.500	-	-	-
Copper	0.203,J	0.180	0.500	-	-	-
Lead	ND	0.140	0.500	-	-	-
Mercury	ND	0.0320	0.0500	-	-	-
Molybdenum	ND	0.160	0.500	-	-	-
Nickel	ND	0.170	0.500	-	-	-
Selenium	ND	0.150	0.500	-	-	-
Silver	ND	0.120	0.500	-	-	-
Thallium	ND	0.0670	0.500	-	-	-
Vanadium	ND	0.130	0.500	-	-	-
Zinc	ND	3.00	5.00	-	-	-
Surrogate Recovery						
Terbium	542			500	109	70-130

(Cont.)

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205752
Date Analyzed:	09/18/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205752 2009829-001AMS/MSD

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	46.1	47.0	50	92	94	75-125	1.89	20
Arsenic	49.4	50.7	50	99	101	75-125	2.59	20
Barium	499	491	500	100	98	75-125	1.55	20
Beryllium	51.2	50.9	50	102	102	75-125	0.535	20
Cadmium	49.8	50.6	50	100	101	75-125	1.63	20
Chromium	51.2	52.6	50	102	105	75-125	2.73	20
Cobalt	51.9	50.9	50	104	102	75-125	1.86	20
Copper	51.6	53.1	50	103	106	75-125	2.93	20
Lead	48.5	48.1	50	97	96	75-125	0.927	20
Mercury	1.10	1.18	1.25	88	94	75-125	6.32	20
Molybdenum	47.9	48.2	50	96	96	75-125	0.645	20
Nickel	50.5	52.5	50	101	105	75-125	3.74	20
Selenium	49.0	50.7	50	98	101	75-125	3.34	20
Silver	49.9	49.3	50	100	99	75-125	1.10	20
Thallium	48.4	49.4	50	97	99	75-125	2.19	20
Vanadium	51.2	51.8	50	102	104	75-125	1.13	20
Zinc	505	523	500	101	105	75-125	3.45	20
Surrogate Recovery								
Terbium	545	541	500	109	108	70-130	0.722	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	1	45.1	47.3	50	ND	90	94	75-125	4.80	20
Arsenic	1	55.0	55.4	50	5.604	99	100	75-125	0.738	20
Barium	1	680	719	500	194.7	97	105	75-125	5.60	20
Beryllium	1	47.7	48.4	50	0.5210	94	96	75-125	1.55	20
Cadmium	1	49.6	50.1	50	ND	99	100	75-125	1.02	20
Chromium	1	97.5	102	50	47.89	99	108	75-125	4.30	20
Cobalt	1	54.9	55.5	50	8.523	93	94	75-125	1.02	20
Copper	1	63.8	66.6	50	14.46	99	104	75-125	4.27	20
Lead	1	53.9	54.8	50	5.646	96	98	75-125	1.66	20
Mercury	1	1.22	1.28	1.25	ND	94	98	75-125	4.57	20
Molybdenum	1	46.7	49.2	50	ND	93	98	75-125	5.11	20
Nickel	1	97.6	105	50	48.68	98	113	75-125	7.31	20
Selenium	1	48.5	50.1	50	0.8420	95	98	75-125	3.28	20
Silver	1	47.4	48.5	50	ND	95	97	75-125	2.17	20

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	09/17/2020	**BatchID:**	205752
Date Analyzed:	09/18/2020	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-205752 2009829-001AMS/MSD

QC Summary Report for Metals

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Thallium	1	46.9	46.1	50	ND	94	92	75-125	1.81	20
Vanadium	1	101	105	50	50.75	101	109	75-125	3.89	20
Zinc	1	550	548	500	44.96	101	101	75-125	0.316	20
Surrogate Recovery										
Terbium	1	519	541	500		104	108	70-130	4.17	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND	ND	-	-
Arsenic	5.88	5.604	4.93	-
Barium	201	194.7	3.24	20
Beryllium	ND	0.5210	-	-
Cadmium	ND	ND	-	-
Chromium	52.2	47.89	9.00	20
Cobalt	9.68	8.523	13.6	-
Copper	14.8	14.46	2.35	20
Lead	5.96	5.646	5.56	-
Mercury	ND	ND	-	-
Molybdenum	ND	ND	-	-
Nickel	50.6	48.68	3.94	20
Selenium	ND	0.8420	-	-
Silver	ND	ND	-	-
Thallium	ND	ND	-	-
Vanadium	54.4	50.75	7.19	20
Zinc	44.4	44.96	1.25	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009829
Date Prepared:	10/07/2020	**BatchID:**	206979
Date Analyzed:	10/12/2020	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-206979 2009829-017AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	MDL	RL			
Chromium	ND	0.100	0.100	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Chromium	9.86	9.80	10	99	98	75-125	0.572	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chromium	1	10.5	10.6	10	0.4784	100	101	75-125	0.423	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Chromium	0.543	0.4784	13.5	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Roux Associates, Inc.	**WorkOrder:**	2009835
Date Prepared:	10/12/2020	**BatchID:**	207242
Date Analyzed:	10/13/2020 - 10/14/2020	**Extraction Method:**	SW3550B
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2965.0014S000; 2400-2440 Camino Ramon	**Sample ID:**	MB/LCS/LCSD-207242

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	0.750	1.00	-	-	-
TPH-Motor Oil (C18-C36)	ND	3.90	5.00	-	-	-
Surrogate Recovery						
C9	23.8			25	95	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42.0	40.6	40	105	102	70-130	3.30	20
Surrogate Recovery								
C9	23.6	22.7	25	94	91	70-130	3.72	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Josh Fox
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6019 FAX: (415) 967-6001

Email: jfox@rouxinc.com
cc/3rd Party: acutting@rouxinc.com; jaguayo@rouxinc.c
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: **5 days;**

Date Received: **09/16/2020**
Date Logged: **09/17/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2009829-001	RB-1-1	Soil	9/16/2020 09:10	☐	A	A	A	A								
2009829-002	RB-1-3	Soil	9/16/2020 09:15	☑				A	A							
2009829-003	RB-2-1	Soil	9/16/2020 13:30	☐	A	A		A								
2009829-004	RB-2-3	Soil	9/16/2020 13:40	☑				A	A							
2009829-005	RB-3-1	Soil	9/16/2020 13:10	☐	A	A		A								
2009829-006	RB-3-3	Soil	9/16/2020 13:15	☑				A	A							
2009829-007	RB-4-1	Soil	9/16/2020 08:10	☐	A	A		A								
2009829-008	RB-4-3	Soil	9/16/2020 08:15	☑				A	A							
2009829-009	RB-5-1	Soil	9/16/2020 11:50	☐	A	A		A								
2009829-010	RB-5-3	Soil	9/16/2020 11:55	☑				A	A							
2009829-011	RB-6-1	Soil	9/16/2020 11:10	☐	A	A		A								
2009829-012	RB-6-3	Soil	9/16/2020 11:15	☑				A	A							
2009829-013	RB-7-1	Soil	9/16/2020 14:10	☐	A	A		A								
2009829-014	RB-7-3	Soil	9/16/2020 14:20	☑				A	A							
2009829-015	RB-8-1	Soil	9/16/2020 14:50	☐	A	A		A								
2009829-016	RB-8-3	Soil	9/16/2020 14:55	☑				A	A							

Test Legend:

1	8081_S	2	CAM17MS_TTLC_S	3	PRCOURIER TRIP	4	PRDisposal Fee
5	PRHOLD	6		7		8	
9		10		11		12	

Project Manager: Susan Thompson **Prepared by: Tina Perez**

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Josh Fox
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
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cc/3rd Party: acutting@rouxinc.com; jaguayo@rouxinc.c
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: **5 days;**

Date Received: **09/16/2020**
Date Logged: **09/17/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2009829-017	RB-9-1	Soil	9/16/2020 15:20	☐	A	A		A								
2009829-018	RB-9-3	Soil	9/16/2020 15:30	☑				A	A							
2009829-019	RB-10-1	Soil	9/16/2020 10:10	☐	A	A		A								
2009829-020	RB-10-3	Soil	9/16/2020 10:15	☑				A	A							

Test Legend:

1	8081_S	2	CAM17MS_TTLC_S	3	PRCOURIER TRIP	4	PRDisposal Fee
5	PRHOLD	6		7		8	
9		10		11		12	

Project Manager: Susan Thompson **Prepared by: Tina Perez**

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 A **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

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Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: 5 days;

Date Received: **09/16/2020**
Date Logged: **09/17/2020**
Date Add-On: **09/28/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2009829-005	RB-3-1	Soil	9/16/2020 13:10	☐	A											
2009829-007	RB-4-1	Soil	9/16/2020 08:10	☐	A											
2009829-008	RB-4-3	Soil	9/16/2020 08:15	☐		A	A									
2009829-009	RB-5-1	Soil	9/16/2020 11:50	☐	A											
2009829-017	RB-9-1	Soil	9/16/2020 15:20	☐	A											
2009829-018	RB-9-3	Soil	9/16/2020 15:30	☐		A	A									

Test Legend:

1	8081_STLC_S	2	ASMS_6020_TTLC_S	3	PRHOLD Credit	4	
5		6		7		8	
9		10		11		12	

Project Manager: Susan Thompson

Prepared by: Tina Perez

Add-On Prepared By: Maria Venegas

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009829 B **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
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Email: jfox@rouxinc.com
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PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: 5 days;

Date Received: **09/16/2020**
Date Logged: **09/17/2020**
Date Add-On: **10/05/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
2009829-017	RB-9-1	Soil	9/16/2020 15:20	☐	A											

Test Legend:

1	CRMS_STLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Susan Thompson

Prepared by: Tina Perez

Add-On Prepared By: Maria Venegas

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT. STLC Cr added to 017 10/05/2020 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2009835 **ClientCode: RASF**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ Excel [A1_noQC_noMDL (Hist)*]

Report to:
Jessica Aguayo
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607
(415) 967-6040 FAX: (415) 967-6001

Email: jaguayo@rouxinc.com
cc/3rd Party: acutting@rouxinc.com; jfox@rouxinc.com;
PO:
Project: 2965.0014S000; 2400-2440 Camino Ramon

Bill to:
Accounts Payable/Donna Andrusco
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074
Rouxap@rouxinc.com

Requested TAT: 5 days;

Date Received: **09/16/2020**
Date Logged: **10/13/2020**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2009835-001	RB-1-5	Soil	9/16/2020 09:45	☐	A	A	A		A							
2009835-002	RB-2-2	Soil	9/16/2020 13:35	☑			A	A								
2009835-003	RB-4-5	Soil	9/16/2020 08:20	☐	A	A	A		A							
2009835-004	RB-3-2	Soil	9/16/2020 13:45	☑			A	A								

Test Legend:

1	8260B_S	2	8260GAS_S	3	PRDisposal Fee	4	PRHOLD
5	TPH(DMO)_S	6		7		8	
9		10		11		12	

Project Manager: Susan Thompson **Prepared by: Nancy Palacios**

The following SampIDs: 001A, 003A contain testgroup Gas8260_S.

Comments: Continuation of 2009829. Combine with this report with 2009829 when complete 09/21/2020. CAA.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email: jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon
Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	DryWeight	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-001A	RB-1-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 9:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-003A	RB-2-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 13:30	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-005A	RB-3-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 13:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-007A	RB-4-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 8:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-009A	RB-5-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 11:50	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-011A	RB-6-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 11:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-013A	RB-7-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 14:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-015A	RB-8-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 14:50	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
2009829-017A	RB-9-1	Soil	SW6020 (CAM 17)	1	16OZ GJ, Unpres	☐	9/16/2020 15:20	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email: jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon
Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA.

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	DryWeight	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-017A	RB-9-1	Soil	SW8081A (OC Pesticides)	1	16OZ GJ, Unpres	☐	9/16/2020 15:20	5 days		☐	
2009829-019A	RB-10-1	Soil	SW6020 (CAM 17)	1	8OZ GJ, Unpres	☐	9/16/2020 10:10	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020
Date Add-On: 9/28/2020

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-005A	RB-3-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1, p,p-DDT_1>	1	16OZ GJ, Unpres	9/16/2020 13:10	5 days*		☐	
2009829-007A	RB-4-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1, p,p-DDT_1>	1	8OZ GJ, Unpres	9/16/2020 8:10	5 days*		☐	
2009829-008A	RB-4-3	Soil	SW6020 (Arsenic)	1	8OZ GJ, Unpres	9/16/2020 8:15	5 days		☐	
2009829-009A	RB-5-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1>	1	8OZ GJ, Unpres	9/16/2020 11:50	5 days*		☐	
2009829-017A	RB-9-1	Soil	SW8081A (OC Pesticides) (STLC) <p,p-DDE_1>	1	16OZ GJ, Unpres	9/16/2020 15:20	5 days*		☐	
2009829-018A	RB-9-3	Soil	SW6020 (Arsenic)	1	16OZ GJ, Unpres	9/16/2020 15:30	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Josh Fox
Contact's Email jfox@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon

Comments: Continuation of 2009835. Combine with this report with 2009835 when complete 09/21/2020. CAA. TTLC As, STLC DDE,DDT added 9/28/2020 STAT. STLC Cr added to 017 10/05/2020 STAT

Work Order: 2009829
QC Level: LEVEL 2
Date Logged: 9/17/2020
Date Add-On: 10/5/2020

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009829-017A	RB-9-1	Soil	SW6020 (Chromium) (STLC)	1	16OZ GJ, Unpres	9/16/2020 15:20	5 days*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ROUX ASSOCIATES, INC.
Client Contact: Jessica Aguayo
Contact's Email: jaguayo@rouxinc.com

Project: 2965.0014S000; 2400-2440 Camino Ramon
Comments: Continuation of 2009829. Combine with this report with 2009829 when complete 09/21/2020. CAA.

Work Order: 2009835
QC Level: LEVEL 2
Date Logged: 9/17/2020

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	DryWeight	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
2009835-001A	RB-1-5	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	9/16/2020 9:45	5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	
2009835-003A	RB-4-5	Soil	SW8015B (Diesel & Motor Oil)	1	8OZ GJ, Unpres	☐	9/16/2020 8:20	5 days		☐	
			TPH(g) & 8260 by P&T GCMS			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

McCampbell Analytical Environmental Testing Laboratory 1534 Willow Pass Road Pittsburg, CA 925-252-9262

CHAIN OF CUSTODY

2009829

Page 1 of

Chain of Custody # :

LOGIN #

Project No: 2965.0014S000

Project Name: 2400-2440 Camino Ramon

EDD Format: ________ **Rpt Level:** ☐ II ☐ III ☐ IV

Turnaround Time: Standard

Sampler: J. Aguayo

Report To: J. Aguayo, J. Fox, A. Cutting

Company : Roux Associates

Telephone: 415-967-6000

Email jaguayo@rouxinc.com, jfox@rouxinc.com, acutting@rouxinc.com

Lab No.	Sample ID.	Sampling Date	Sampling Time	Matrix: Water	Matrix: Soil	# of Containers*	Chemical Preservative: HCl	H_2SO_4	HNO_3	NaOH	None	CAM-17 Metals (6010B/7000)	Organochlorinated Pesticides	Arsenic	TPHg + VOCs (8260	TPHd/mo (8015)	STLC DDE	STLC DDT	STLC Cr	HOLD		Notes
	RB-1-1	09/16/20	0910		X	1					X	X	X									
	RB-1-3	09/16/20	0915		X	1					X									X		
	RB-2-1	09/16/20	1330		X	1					X	X	X									
	RB-2-3	09/16/20	1340		X	1					X									X		
	RB-3-1	09/16/20	1310		X	1					X	X	X				X	X				
	RB-3-3	09/16/20	1315		X	1					X									X		
	RB-4-1	09/16/20	0810		X	1					X	X	X				X	X				
	RB-4-3	09/16/20	0815.		X	1					X			X						X		
	RB-5-1	09/16/20	1150		X	1					X	X	X				X					
	RB-5-3	09/16/20	1155		X	1					X									X		
	RB-6-1	09/16/20	1110		X	1					X	X	X									
	RB-6-3	09/16/20	1115		X	1					X									X		
	RB-7-1	09/16/20	1410		X	1					X	X	X									
	RB-7-3	09/16/20	1420.		X	1					X									X		
	RB-8-1	09/16/20	1450		X	1					X	X	X									
	RB-8-3	09/16/20	1455.		X	1					X									X		
	RB-9-1	09/16/20	1520		X	1					X	X	X				X		X			
	RB-9-3	09/16/20	1530		X	1					X			X						X		
	RB-10-1	09/16/20	1010		X	1					X	X	X		J.A							
	RB-10-3	09/16/20	1015.		X	1					X									X		

~~RB-3-2~~ RB-1-5 ~~RB-2-2~~ RB 4-5 Samples Rec but not on COC. MV

Notes:

Added 9/28/2020 STAT

Added 10/05/2020 STAT

SAMPLE RECEIPT

☐ Intact ☐ Cold

☐ On Ice ☐ Ambient

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
CATT J.A	9/16/20 420	PLSO Cenvs	9/16/20 4:20
PLSO Cenvs	9-16-20 1714	[signature]	9/16/20 @ 17:14

CHAIN OF CUSTODY

COC No 241

ROUX

ENVIRONMENTAL CONSULTING & MANAGEMENT

Roux Associates, Inc.
4 Embarcadero Suite 1400, San Francisco, CA 94111
Phone (415) 766-3560 Fax (415) 402-0058

Page ____ of ____

Project Name: 2400-2440 camino Ramon
Project Number: 2965.00145000
Project Contact: J. Aguayo, J. Fox, A. Cutting Email: jaguayo@rouxinc.com jfox@rouxinc.com acutting@rouxinc.com
Sampler: J. Aguayo
Recorder (Signature Required):

2009835

Sample Identification	Date	Time	Lab Sample No.	Number of Containers	Matrix: Soil	Water	Air		Preservative: None	Ice	HNO_3	HCL	H_2SO_4	Analysis Requested: TPHd, TPHmo 8015M	TPHg 8015M	VOCs 8260 + TPH-gas	PCBs 8082	Pesticides 8082	Lead 6010	CAM 17 Metals	PAHs 8270	HOLD				Remarks/ Turnaround Time
* RB-1-5	09/16/20	09 45		1	X				X					X		X						X				standard TAT
RB-2-2	↓	13 35		1	X				X													X				↓
* RB-4-5	↓	08 20		1	X				X					X		X						X				
RB-3-2	↓	13 45		1	X				X													X				

Relinquished by: (Signature)	for	Date	Time	Received by: (Signature)	for	Date	Time
[signature]		9/16/20.	420	ALDO CANEGALLI			
ALDO CANEGALLI				ALDO CANEGALLI		9/16/20	17:14
				ALDO CANEGALLI		9/16/20	4:20

Sent to Laboratory (Name):
Laboratory Comments/Notes:

Method of Shipment ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ Hand Carried ☐ UPS ☐ Private Courier (Co. Name)

* OFF HOLD PER CLIENTS EMAIL 10/12/20

Nancy Palacios 9.16.20 1620

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Roux Associates, Inc.**	Date and Time Received:	**9/16/2020 17:14**
Project:	**2965.0014S000; 2400-2440 Camino Ramon**	Date Logged:	**9/17/2020**
		Received by:	Tina Perez
WorkOrder №:	**2009829** Matrix: Soil	Logged by:	Tina Perez
Carrier:	Moises Vasquez (contract courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 3.3°C				NA	☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA	☑

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Roux Associates, Inc.**	Date and Time Received:	**9/16/2020 16:20**
Project:	**2965.0014S000; 2400-2440 Camino Ramon**	Date Logged:	**10/13/2020**
		Received by:	Nancy Palacios
WorkOrder №:	**2009835** Matrix: Soil	Logged by:	Nancy Palacios
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☐	No	☑	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 2.8°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes	☐	No	☐	NA ☑

Comments: Method SW8015B (Diesel & Motor Oil) was received past its 14-day holding time. Method SW8260B (VOCs) was received past its 14-day holding time. Method SW8260B (TPH-gas) was received past its 14-day holding time.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 434648
Report Level: II
Report Date: 10/12/2020

Analytical Report *prepared for:*

Josh Fox
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 2965.0014S000 - 2400-2440 Camino Ramon

Authorized for release by:

John Goyette, Director, Client Services
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Josh Fox
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #:	434648
Project No:	2965.0014S000
Location:	2400-2440 Camino Ramon
Date Received:	10/07/20

Sample ID	Lab ID	Collected	Matrix
RB-10-SV	434648-001	10/07/20 14:35	Air
RB-1-SV	434648-002	10/07/20 15:43	Air
RB-4-SV	434648-003	10/07/20 15:43	Air

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates 555 12th Street Suite 250 Oakland, CA 94607 Josh Fox	Lab Job Number: 434648 Project No: 2965.0014S000 Location: 2400-2440 Camino Ramon Date Received: 10/07/20

This data package contains sample and QC results for three air samples, requested for the above referenced project on 10/07/20. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):
No analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary for 434648

Client: Roux Associates
Project: 2965.0014S000
Location 2400-2440 Camino Ramon

Sample ID: RB-10-SV — Lab ID: 434648-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Freon 12	0.41		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Acetone	16		3.0	ppbv	As Recd	1.500	EPA TO-15	METHOD
n-Hexane	0.85		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Cyclohexane	4.0		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
4-Methyl-2-Pentanone	1.2		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Toluene	0.44		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Ethylbenzene	0.54		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
m,p-Xylenes	0.68		0.60	ppbv	As Recd	1.500	EPA TO-15	METHOD
o-Xylene	0.31		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
1,2,4-Trimethylbenzene	0.61		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Oxygen	15		0.30	mol %	As Recd	3.000	ASTM D1946	METHOD
TPH Gasoline	0.53		0.25	ppmv	As Recd	3.000	EPA TO-3M	

Sample ID: RB-1-SV — Lab ID: 434648-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Toluene	9.9		6.0	ppbv	As Recd	30.00	EPA TO-15	METHOD
Oxygen	15		0.15	mol %	As Recd	1.500	ASTM D1946	METHOD
TPH Gasoline	11		0.13	ppmv	As Recd	1.500	EPA TO-3M	

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary for 434648

Sample ID: RB-4-SV | Lab ID: 434648-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Freon 12	0.42		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Acetone	40		3.0	ppbv	As Recd	1.500	EPA TO-15	METHOD
Carbon Disulfide	1.3		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Methylene Chloride	6.0		0.75	ppbv	As Recd	1.500	EPA TO-15	METHOD
n-Hexane	16		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Vinyl Acetate	7.1		1.5	ppbv	As Recd	1.500	EPA TO-15	METHOD
Ethyl Acetate	20		0.75	ppbv	As Recd	1.500	EPA TO-15	METHOD
Cyclohexane	6.0		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Benzene	4.3		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
4-Methyl-2-Pentanone	4.3		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Toluene	5.4		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Ethylbenzene	0.94		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
m,p-Xylenes	1.4		0.60	ppbv	As Recd	1.500	EPA TO-15	METHOD
o-Xylene	0.53		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
4-Ethyltoluene	0.32		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
1,2,4-Trimethylbenzene	0.77		0.30	ppbv	As Recd	1.500	EPA TO-15	METHOD
Helium	0.89		0.38	mol %	As Recd	3.750	ASTM D1946	METHOD
Oxygen	12		0.38	mol %	As Recd	3.750	ASTM D1946	METHOD
TPH Gasoline	1.5		0.32	ppmv	As Recd	3.750	EPA TO-3M	

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Enthalpy Analytical LLC
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

AIR TESTING - CHAIN OF CUSTODY
& PURCHASE ORDER

Page 1 of 1

Chain of Custody # : _____

C&T LOGIN # 434648

Project No: 2965.00148000
Project Name: 2400-2440 Camino Ramon
EDD Format: _____ Rpt Level: II III IV
Turnaround Time: X RUSH Quickest Possible. ☐ Standard

Sampler: J. Aguayo / L. Howard.
Report To: J. Aguayo / J. Fox / A. Cutting.
Company: ROUX Associates.
Telephone: (510) 589-2323
Email: jaguayo@rouxinc.com / jfox@rouxinc.com / acutting@rouxinc.com

Lab No.	Sample ID.	Sampling Information					TESTING REQUESTED				
		Date Collected	Time Collected	Canister ID (Bar Code #)	Flow Controller ID	Sample Volume (Gauge Reading)	TPHg by TO-3	VOCs by TO-15	Het Ox by ASTM-D-1946		
	RB-10-SV	10/7/20	1435	533	A00447	-4	X	X	X		
	RB-1-SV	↓	1543	065	A00479	-5	X	X	X		
	RB-4-SV	↓	1543	082	A00470	-6	X	X	X		

Notes:

RELINQUISHED BY:		RECEIVED BY:	
Jessica Aguayo	10/7/20 1716 DATE/TIME		10-7-20 1716 DATE/TIME
	10/7/20 1737 DATE/TIME		10/8/20 1130 DATE/TIME
	DATE/TIME		DATE/TIME

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux

Project:

Date Received: 10/8/20

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2)

Sample Temp (°C) (No Cooler): N/A

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS ambient temp

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____/_____

Project Manager's response:

Completed By: [signature] Date: 10/8/20

GLS

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
JOHN GOYETTE
2323 5TH STREET
BERKELEY, CA 94710

Tracking #: 550717973

CPS

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

ORANGE

S92868A

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

28435102

ORC CA927-CI1

Print Date: 10/7/2020 5:42 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-10-SV	**Batch#:**	253985	**Prep:**	METHOD
Lab ID:	434648-001	**Sampled:**	10/07/20 14:35	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	10/07/20	**Analyst:**	GVO
DiIn Fac:	1.500	**Analyzed:**	10/08/20 16:38		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.30	ppbv	ND	1.1	ug/m3
Propylene	ND	0.30	ppbv	ND	0.52	ug/m3
Freon 12	**0.41**	0.30	ppbv	2.0	1.5	ug/m3
Freon 114	ND	0.30	ppbv	ND	2.1	ug/m3
Chloromethane	ND	0.30	ppbv	ND	0.62	ug/m3
Vinyl Chloride	ND	0.30	ppbv	ND	0.77	ug/m3
1,3-Butadiene	ND	0.30	ppbv	ND	0.66	ug/m3
Bromomethane	ND	0.30	ppbv	ND	1.2	ug/m3
Chloroethane	ND	0.30	ppbv	ND	0.79	ug/m3
Trichlorofluoromethane	ND	0.30	ppbv	ND	1.7	ug/m3
1,1-Dichloroethene	ND	0.30	ppbv	ND	1.2	ug/m3
Freon 113	ND	0.30	ppbv	ND	2.3	ug/m3
Acetone	**16**	3.0	ppbv	38	7.1	ug/m3
Carbon Disulfide	ND	0.30	ppbv	ND	0.93	ug/m3
Isopropanol (IPA)	ND	1.5	ppbv	ND	3.7	ug/m3
Methylene Chloride	ND	0.75	ppbv	ND	2.6	ug/m3
trans-1,2-Dichloroethene	ND	0.30	ppbv	ND	1.2	ug/m3
MTBE	ND	0.30	ppbv	ND	1.1	ug/m3
n-Hexane	**0.85**	0.30	ppbv	3.0	1.1	ug/m3
1,1-Dichloroethane	ND	0.30	ppbv	ND	1.2	ug/m3
Vinyl Acetate	ND	1.5	ppbv	ND	5.3	ug/m3
cis-1,2-Dichloroethene	ND	0.30	ppbv	ND	1.2	ug/m3
2-Butanone	ND	1.5	ppbv	ND	4.4	ug/m3
Ethyl Acetate	ND	0.75	ppbv	ND	2.7	ug/m3
Chloroform	ND	0.30	ppbv	ND	1.5	ug/m3
1,1,1-Trichloroethane	ND	0.30	ppbv	ND	1.6	ug/m3
Cyclohexane	**4.0**	0.30	ppbv	14	1.0	ug/m3
Carbon Tetrachloride	ND	0.30	ppbv	ND	1.9	ug/m3
Benzene	ND	0.30	ppbv	ND	0.96	ug/m3
1,2-Dichloroethane	ND	0.30	ppbv	ND	1.2	ug/m3
n-Heptane	ND	0.30	ppbv	ND	1.2	ug/m3
Trichloroethene	ND	0.30	ppbv	ND	1.6	ug/m3
1,2-Dichloropropane	ND	0.30	ppbv	ND	1.4	ug/m3
Bromodichloromethane	ND	0.30	ppbv	ND	2.0	ug/m3
cis-1,3-Dichloropropene	ND	0.30	ppbv	ND	1.4	ug/m3
4-Methyl-2-Pentanone	**1.2**	0.30	ppbv	4.8	1.2	ug/m3
Toluene	**0.44**	0.30	ppbv	1.6	1.1	ug/m3
trans-1,3-Dichloropropene	ND	0.30	ppbv	ND	1.4	ug/m3
1,1,2-Trichloroethane	ND	0.30	ppbv	ND	1.6	ug/m3
Tetrachloroethene	ND	0.30	ppbv	ND	2.0	ug/m3
2-Hexanone	ND	0.30	ppbv	ND	1.2	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.30	ppbv	ND	2.6	ug/m3
1,2-Dibromoethane	ND	0.30	ppbv	ND	2.3	ug/m3
Chlorobenzene	ND	0.30	ppbv	ND	1.4	ug/m3
Ethylbenzene	**0.54**	0.30	ppbv	2.3	1.3	ug/m3
m,p-Xylenes	**0.68**	0.60	ppbv	3.0	2.6	ug/m3
o-Xylene	**0.31**	0.30	ppbv	1.4	1.3	ug/m3
Styrene	ND	0.30	ppbv	ND	1.3	ug/m3
Bromoform	ND	0.30	ppbv	ND	3.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.30	ppbv	ND	2.1	ug/m3
4-Ethyltoluene	ND	0.30	ppbv	ND	1.5	ug/m3
1,3,5-Trimethylbenzene	ND	0.30	ppbv	ND	1.5	ug/m3
1,2,4-Trimethylbenzene	**0.61**	0.30	ppbv	3.0	1.5	ug/m3
1,3-Dichlorobenzene	ND	0.30	ppbv	ND	1.8	ug/m3
1,4-Dichlorobenzene	ND	0.30	ppbv	ND	1.8	ug/m3
Benzyl chloride	ND	0.75	ppbv	ND	3.9	ug/m3
1,2-Dichlorobenzene	ND	0.30	ppbv	ND	1.8	ug/m3
1,2,4-Trichlorobenzene	ND	0.30	ppbv	ND	2.2	ug/m3
Hexachlorobutadiene	ND	0.30	ppbv	ND	3.2	ug/m3
Naphthalene	ND	0.75	ppbv	ND	3.9	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	100	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-1-SV	**Batch#:**	253985	**Prep:**	METHOD
Lab ID:	434648-002	**Sampled:**	10/07/20 15:43	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	10/07/20	**Analyst:**	GVO
DiIn Fac:	30.00	**Analyzed:**	10/08/20 14:58		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	6.0	ppbv	ND	22	ug/m3
Propylene	ND	6.0	ppbv	ND	10	ug/m3
Freon 12	ND	6.0	ppbv	ND	30	ug/m3
Freon 114	ND	6.0	ppbv	ND	42	ug/m3
Chloromethane	ND	6.0	ppbv	ND	12	ug/m3
Vinyl Chloride	ND	6.0	ppbv	ND	15	ug/m3
1,3-Butadiene	ND	6.0	ppbv	ND	13	ug/m3
Bromomethane	ND	6.0	ppbv	ND	23	ug/m3
Chloroethane	ND	6.0	ppbv	ND	16	ug/m3
Trichlorofluoromethane	ND	6.0	ppbv	ND	34	ug/m3
1,1-Dichloroethene	ND	6.0	ppbv	ND	24	ug/m3
Freon 113	ND	6.0	ppbv	ND	46	ug/m3
Acetone	ND	60	ppbv	ND	140	ug/m3
Carbon Disulfide	ND	6.0	ppbv	ND	19	ug/m3
Isopropanol (IPA)	ND	30	ppbv	ND	74	ug/m3
Methylene Chloride	ND	15	ppbv	ND	52	ug/m3
trans-1,2-Dichloroethene	ND	6.0	ppbv	ND	24	ug/m3
MTBE	ND	6.0	ppbv	ND	22	ug/m3
n-Hexane	ND	6.0	ppbv	ND	21	ug/m3
1,1-Dichloroethane	ND	6.0	ppbv	ND	24	ug/m3
Vinyl Acetate	ND	30	ppbv	ND	110	ug/m3
cis-1,2-Dichloroethene	ND	6.0	ppbv	ND	24	ug/m3
2-Butanone	ND	30	ppbv	ND	88	ug/m3
Ethyl Acetate	ND	15	ppbv	ND	54	ug/m3
Chloroform	ND	6.0	ppbv	ND	29	ug/m3
1,1,1-Trichloroethane	ND	6.0	ppbv	ND	33	ug/m3
Cyclohexane	ND	6.0	ppbv	ND	21	ug/m3
Carbon Tetrachloride	ND	6.0	ppbv	ND	38	ug/m3
Benzene	ND	6.0	ppbv	ND	19	ug/m3
1,2-Dichloroethane	ND	6.0	ppbv	ND	24	ug/m3
n-Heptane	ND	6.0	ppbv	ND	25	ug/m3
Trichloroethene	ND	6.0	ppbv	ND	32	ug/m3
1,2-Dichloropropane	ND	6.0	ppbv	ND	28	ug/m3
Bromodichloromethane	ND	6.0	ppbv	ND	40	ug/m3
cis-1,3-Dichloropropene	ND	6.0	ppbv	ND	27	ug/m3
4-Methyl-2-Pentanone	ND	6.0	ppbv	ND	25	ug/m3
Toluene	**9.9**	6.0	ppbv	37	23	ug/m3
trans-1,3-Dichloropropene	ND	6.0	ppbv	ND	27	ug/m3
1,1,2-Trichloroethane	ND	6.0	ppbv	ND	33	ug/m3
Tetrachloroethene	ND	6.0	ppbv	ND	41	ug/m3
2-Hexanone	ND	6.0	ppbv	ND	25	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	6.0	ppbv	ND	51	ug/m3
1,2-Dibromoethane	ND	6.0	ppbv	ND	46	ug/m3
Chlorobenzene	ND	6.0	ppbv	ND	28	ug/m3
Ethylbenzene	ND	6.0	ppbv	ND	26	ug/m3
m,p-Xylenes	ND	12	ppbv	ND	52	ug/m3
o-Xylene	ND	6.0	ppbv	ND	26	ug/m3
Styrene	ND	6.0	ppbv	ND	26	ug/m3
Bromoform	ND	6.0	ppbv	ND	62	ug/m3
1,1,2,2-Tetrachloroethane	ND	6.0	ppbv	ND	41	ug/m3
4-Ethyltoluene	ND	6.0	ppbv	ND	29	ug/m3
1,3,5-Trimethylbenzene	ND	6.0	ppbv	ND	29	ug/m3
1,2,4-Trimethylbenzene	ND	6.0	ppbv	ND	29	ug/m3
1,3-Dichlorobenzene	ND	6.0	ppbv	ND	36	ug/m3
1,4-Dichlorobenzene	ND	6.0	ppbv	ND	36	ug/m3
Benzyl chloride	ND	15	ppbv	ND	78	ug/m3
1,2-Dichlorobenzene	ND	6.0	ppbv	ND	36	ug/m3
1,2,4-Trichlorobenzene	ND	6.0	ppbv	ND	45	ug/m3
Hexachlorobutadiene	ND	6.0	ppbv	ND	64	ug/m3
Naphthalene	ND	15	ppbv	ND	79	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	97	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-4-SV	**Batch#:**	253985	**Prep:**	METHOD
Lab ID:	434648-003	**Sampled:**	10/07/20 15:43	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	10/07/20	**Analyst:**	GVO
DilN Fac:	1.500	**Analyzed:**	10/08/20 17:32		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.30	ppbv	ND	1.1	ug/m3
Propylene	ND	0.30	ppbv	ND	0.52	ug/m3
Freon 12	**0.42**	0.30	ppbv	2.1	1.5	ug/m3
Freon 114	ND	0.30	ppbv	ND	2.1	ug/m3
Chloromethane	ND	0.30	ppbv	ND	0.62	ug/m3
Vinyl Chloride	ND	0.30	ppbv	ND	0.77	ug/m3
1,3-Butadiene	ND	0.30	ppbv	ND	0.66	ug/m3
Bromomethane	ND	0.30	ppbv	ND	1.2	ug/m3
Chloroethane	ND	0.30	ppbv	ND	0.79	ug/m3
Trichlorofluoromethane	ND	0.30	ppbv	ND	1.7	ug/m3
1,1-Dichloroethene	ND	0.30	ppbv	ND	1.2	ug/m3
Freon 113	ND	0.30	ppbv	ND	2.3	ug/m3
Acetone	**40**	3.0	ppbv	94	7.1	ug/m3
Carbon Disulfide	**1.3**	0.30	ppbv	3.9	0.93	ug/m3
Isopropanol (IPA)	ND	1.5	ppbv	ND	3.7	ug/m3
Methylene Chloride	**6.0**	0.75	ppbv	21	2.6	ug/m3
trans-1,2-Dichloroethene	ND	0.30	ppbv	ND	1.2	ug/m3
MTBE	ND	0.30	ppbv	ND	1.1	ug/m3
n-Hexane	**16**	0.30	ppbv	57	1.1	ug/m3
1,1-Dichloroethane	ND	0.30	ppbv	ND	1.2	ug/m3
Vinyl Acetate	**7.1**	1.5	ppbv	25	5.3	ug/m3
cis-1,2-Dichloroethene	ND	0.30	ppbv	ND	1.2	ug/m3
2-Butanone	ND	1.5	ppbv	ND	4.4	ug/m3
Ethyl Acetate	**20**	0.75	ppbv	71	2.7	ug/m3
Chloroform	ND	0.30	ppbv	ND	1.5	ug/m3
1,1,1-Trichloroethane	ND	0.30	ppbv	ND	1.6	ug/m3
Cyclohexane	**6.0**	0.30	ppbv	21	1.0	ug/m3
Carbon Tetrachloride	ND	0.30	ppbv	ND	1.9	ug/m3
Benzene	**4.3**	0.30	ppbv	14	0.96	ug/m3
1,2-Dichloroethane	ND	0.30	ppbv	ND	1.2	ug/m3
n-Heptane	ND	0.30	ppbv	ND	1.2	ug/m3
Trichloroethene	ND	0.30	ppbv	ND	1.6	ug/m3
1,2-Dichloropropane	ND	0.30	ppbv	ND	1.4	ug/m3
Bromodichloromethane	ND	0.30	ppbv	ND	2.0	ug/m3
cis-1,3-Dichloropropene	ND	0.30	ppbv	ND	1.4	ug/m3
4-Methyl-2-Pentanone	**4.3**	0.30	ppbv	18	1.2	ug/m3
Toluene	**5.4**	0.30	ppbv	20	1.1	ug/m3
trans-1,3-Dichloropropene	ND	0.30	ppbv	ND	1.4	ug/m3
1,1,2-Trichloroethane	ND	0.30	ppbv	ND	1.6	ug/m3
Tetrachloroethene	ND	0.30	ppbv	ND	2.0	ug/m3
2-Hexanone	ND	0.30	ppbv	ND	1.2	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.30	ppbv	ND	2.6	ug/m3
1,2-Dibromoethane	ND	0.30	ppbv	ND	2.3	ug/m3
Chlorobenzene	ND	0.30	ppbv	ND	1.4	ug/m3
Ethylbenzene	**0.94**	0.30	ppbv	4.1	1.3	ug/m3
m,p-Xylenes	**1.4**	0.60	ppbv	6.3	2.6	ug/m3
o-Xylene	**0.53**	0.30	ppbv	2.3	1.3	ug/m3
Styrene	ND	0.30	ppbv	ND	1.3	ug/m3
Bromoform	ND	0.30	ppbv	ND	3.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.30	ppbv	ND	2.1	ug/m3
4-Ethyltoluene	**0.32**	0.30	ppbv	1.6	1.5	ug/m3
1,3,5-Trimethylbenzene	ND	0.30	ppbv	ND	1.5	ug/m3
1,2,4-Trimethylbenzene	**0.77**	0.30	ppbv	3.8	1.5	ug/m3
1,3-Dichlorobenzene	ND	0.30	ppbv	ND	1.8	ug/m3
1,4-Dichlorobenzene	ND	0.30	ppbv	ND	1.8	ug/m3
Benzyl chloride	ND	0.75	ppbv	ND	3.9	ug/m3
1,2-Dichlorobenzene	ND	0.30	ppbv	ND	1.8	ug/m3
1,2,4-Trichlorobenzene	ND	0.30	ppbv	ND	2.2	ug/m3
Hexachlorobutadiene	ND	0.30	ppbv	ND	3.2	ug/m3
Naphthalene	ND	0.75	ppbv	ND	3.9	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	101	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Type: BLANK **DiIn Fac:** 1.000 **Prep:** METHOD

Lab ID: QC888986 **Batch#:** 253985 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 10/08/20 12:48 **Analyst:** GVO

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.20	ppbv	ND	0.72	ug/m3
Propylene	ND	0.20	ppbv	ND	0.34	ug/m3
Freon 12	ND	0.20	ppbv	ND	0.99	ug/m3
Freon 114	ND	0.20	ppbv	ND	1.4	ug/m3
Chloromethane	ND	0.20	ppbv	ND	0.41	ug/m3
Vinyl Chloride	ND	0.20	ppbv	ND	0.51	ug/m3
1,3-Butadiene	ND	0.20	ppbv	ND	0.44	ug/m3
Bromomethane	ND	0.20	ppbv	ND	0.78	ug/m3
Chloroethane	ND	0.20	ppbv	ND	0.53	ug/m3
Trichlorofluoromethane	ND	0.20	ppbv	ND	1.1	ug/m3
1,1-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
Freon 113	ND	0.20	ppbv	ND	1.5	ug/m3
Acetone	ND	2.0	ppbv	ND	4.8	ug/m3
Carbon Disulfide	ND	0.20	ppbv	ND	0.62	ug/m3
Isopropanol (IPA)	ND	1.0	ppbv	ND	2.5	ug/m3
Methylene Chloride	ND	0.50	ppbv	ND	1.7	ug/m3
trans-1,2-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
MTBE	ND	0.20	ppbv	ND	0.72	ug/m3
n-Hexane	ND	0.20	ppbv	ND	0.70	ug/m3
1,1-Dichloroethane	ND	0.20	ppbv	ND	0.81	ug/m3
Vinyl Acetate	ND	1.0	ppbv	ND	3.5	ug/m3
cis-1,2-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
2-Butanone	ND	1.0	ppbv	ND	2.9	ug/m3
Ethyl Acetate	ND	0.50	ppbv	ND	1.8	ug/m3
Chloroform	ND	0.20	ppbv	ND	0.98	ug/m3
1,1,1-Trichloroethane	ND	0.20	ppbv	ND	1.1	ug/m3
Cyclohexane	ND	0.20	ppbv	ND	0.69	ug/m3
Carbon Tetrachloride	ND	0.20	ppbv	ND	1.3	ug/m3
Benzene	ND	0.20	ppbv	ND	0.64	ug/m3
1,2-Dichloroethane	ND	0.20	ppbv	ND	0.81	ug/m3
n-Heptane	ND	0.20	ppbv	ND	0.82	ug/m3
Trichloroethene	ND	0.20	ppbv	ND	1.1	ug/m3
1,2-Dichloropropane	ND	0.20	ppbv	ND	0.92	ug/m3
Bromodichloromethane	ND	0.20	ppbv	ND	1.3	ug/m3
cis-1,3-Dichloropropene	ND	0.20	ppbv	ND	0.91	ug/m3
4-Methyl-2-Pentanone	ND	0.20	ppbv	ND	0.82	ug/m3
Toluene	ND	0.20	ppbv	ND	0.75	ug/m3
trans-1,3-Dichloropropene	ND	0.20	ppbv	ND	0.91	ug/m3
1,1,2-Trichloroethane	ND	0.20	ppbv	ND	1.1	ug/m3
Tetrachloroethene	ND	0.20	ppbv	ND	1.4	ug/m3
2-Hexanone	ND	0.20	ppbv	ND	0.82	ug/m3
Dibromochloromethane	ND	0.20	ppbv	ND	1.7	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,2-Dibromoethane	ND	0.20	ppbv	ND	1.5	ug/m3
Chlorobenzene	ND	0.20	ppbv	ND	0.92	ug/m3
Ethylbenzene	ND	0.20	ppbv	ND	0.87	ug/m3
m,p-Xylenes	ND	0.40	ppbv	ND	1.7	ug/m3
o-Xylene	ND	0.20	ppbv	ND	0.87	ug/m3
Styrene	ND	0.20	ppbv	ND	0.85	ug/m3
Bromoform	ND	0.20	ppbv	ND	2.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.20	ppbv	ND	1.4	ug/m3
4-Ethyltoluene	ND	0.20	ppbv	ND	0.98	ug/m3
1,3,5-Trimethylbenzene	ND	0.20	ppbv	ND	0.98	ug/m3
1,2,4-Trimethylbenzene	ND	0.20	ppbv	ND	0.98	ug/m3
1,3-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
1,4-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
Benzyl chloride	ND	0.50	ppbv	ND	2.6	ug/m3
1,2-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
1,2,4-Trichlorobenzene	ND	0.20	ppbv	ND	1.5	ug/m3
Hexachlorobutadiene	ND	0.20	ppbv	ND	2.1	ug/m3
Naphthalene	ND	0.50	ppbv	ND	2.6	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	98	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Type: LCS **Dil'n Fac:** 1.000 **Prep:** METHOD

Lab ID: QC888987 **Batch#:** 253985 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 10/08/20 12:04 **Analyst:** GVO

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,4-Dioxane	10.00	8.795	ppbv	88	70-130
Propylene	10.00	7.171	ppbv	72	70-130
Freon 12	10.00	11.35	ppbv	114	70-130
Freon 114	10.00	12.41	ppbv	124	70-130
Chloromethane	10.00	11.68	ppbv	117	70-130
Vinyl Chloride	10.00	12.66	ppbv	127	70-130
1,3-Butadiene	10.00	12.33	ppbv	123	70-130
Bromomethane	10.00	12.08	ppbv	121	70-130
Chloroethane	10.00	11.28	ppbv	113	70-130
Trichlorofluoromethane	10.00	8.840	ppbv	88	70-130
1,1-Dichloroethene	10.00	8.452	ppbv	85	70-130
Freon 113	10.00	8.462	ppbv	85	70-130
Acetone	10.00	8.657	ppbv	87	70-130
Carbon Disulfide	10.00	8.427	ppbv	84	70-130
Isopropanol (IPA)	10.00	7.934	ppbv	79	70-130
Methylene Chloride	10.00	8.059	ppbv	81	70-130
trans-1,2-Dichloroethene	10.00	8.563	ppbv	86	70-130
MTBE	10.00	9.644	ppbv	96	70-130
n-Hexane	10.00	8.674	ppbv	87	70-130
1,1-Dichloroethane	10.00	8.424	ppbv	84	70-130
Vinyl Acetate	10.00	7.537	ppbv	75	70-130
cis-1,2-Dichloroethene	10.00	8.838	ppbv	88	70-130
2-Butanone	10.00	9.145	ppbv	91	70-130
Ethyl Acetate	10.00	8.217	ppbv	82	70-130
Chloroform	10.00	9.075	ppbv	91	70-130
1,1,1-Trichloroethane	10.00	9.299	ppbv	93	70-130
Cyclohexane	10.00	8.679	ppbv	87	70-130
Carbon Tetrachloride	10.00	9.306	ppbv	93	70-130
Benzene	10.00	8.938	ppbv	89	70-130
1,2-Dichloroethane	10.00	8.981	ppbv	90	70-130
n-Heptane	10.00	9.031	ppbv	90	70-130
Trichloroethene	10.00	8.440	ppbv	84	70-130
1,2-Dichloropropane	10.00	7.838	ppbv	78	70-130
Bromodichloromethane	10.00	8.877	ppbv	89	70-130
cis-1,3-Dichloropropene	10.00	8.818	ppbv	88	70-130
4-Methyl-2-Pentanone	10.00	8.571	ppbv	86	70-130
Toluene	10.00	9.087	ppbv	91	70-130
trans-1,3-Dichloropropene	10.00	8.987	ppbv	90	70-130
1,1,2-Trichloroethane	10.00	8.388	ppbv	84	70-130
Tetrachloroethene	10.00	8.826	ppbv	88	70-130
2-Hexanone	10.00	9.039	ppbv	90	70-130
Dibromochloromethane	10.00	8.792	ppbv	88	70-130

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,2-Dibromoethane	10.00	8.609	ppbv	86	70-130
Chlorobenzene	10.00	8.556	ppbv	86	70-130
Ethylbenzene	10.00	9.557	ppbv	96	70-130
m,p-Xylenes	20.00	19.12	ppbv	96	70-130
o-Xylene	10.00	9.484	ppbv	95	70-130
Styrene	10.00	9.652	ppbv	97	70-130
Bromoform	10.00	9.231	ppbv	92	70-130
1,1,2,2-Tetrachloroethane	10.00	8.789	ppbv	88	70-130
4-Ethyltoluene	10.00	9.861	ppbv	99	70-130
1,3,5-Trimethylbenzene	10.00	9.845	ppbv	98	70-130
1,2,4-Trimethylbenzene	10.00	10.15	ppbv	102	70-130
1,3-Dichlorobenzene	10.00	9.150	ppbv	92	70-130
1,4-Dichlorobenzene	10.00	9.195	ppbv	92	70-130
Benzyl chloride	10.00	9.772	ppbv	98	70-130
1,2-Dichlorobenzene	10.00	9.229	ppbv	92	70-130
1,2,4-Trichlorobenzene	10.00	10.30	ppbv	103	70-130
Hexachlorobutadiene	10.00	9.731	ppbv	97	70-130
Naphthalene	10.00	9.748	ppbv	97	70-130

Surrogate	%REC	Limits
Bromofluorobenzene	106	60-140

Legend

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-4-SV	**DiIn Fac:**	1.500	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	253985	**Analysis:**	EPA TO-15
MSS Lab ID:	434648-003	**Sampled:**	10/07/20 15:43	**Analyst:**	GVO
Lab ID:	QC888988	**Received:**	10/07/20		
Matrix:	Air	**Analyzed:**	10/08/20 18:36		

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)	RPD	Lim
1,4-Dioxane	<0.3000	ND	0.3000	ppbv	ND	1.081	ug/m3	NC	30
Propylene	<0.3000	ND	0.3000	ppbv	ND	0.5163	ug/m3	NC	30
Freon 12	0.4241	**0.3427**	0.3000	ppbv	1.695	1.484	ug/m3	21	30
Freon 114	<0.3000	ND	0.3000	ppbv	ND	2.097	ug/m3	NC	30
Chloromethane	<0.3000	ND	0.3000	ppbv	ND	0.6195	ug/m3	NC	30
Vinyl Chloride	<0.3000	ND	0.3000	ppbv	ND	0.7669	ug/m3	NC	30
1,3-Butadiene	<0.3000	ND	0.3000	ppbv	ND	0.6637	ug/m3	NC	30
Bromomethane	<0.3000	ND	0.3000	ppbv	ND	1.165	ug/m3	NC	30
Chloroethane	<0.3000	ND	0.3000	ppbv	ND	0.7916	ug/m3	NC	30
Trichlorofluoromethane	<0.3000	ND	0.3000	ppbv	ND	1.686	ug/m3	NC	30
1,1-Dichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.189	ug/m3	NC	30
Freon 113	<0.3000	ND	0.3000	ppbv	ND	2.299	ug/m3	NC	30
Acetone	39.64	**33.71**	3.000	ppbv	80.07	7.126	ug/m3	16	30
Carbon Disulfide	1.266	**1.073**	0.3000	ppbv	3.342	0.9341	ug/m3	16	30
Isopropanol (IPA)	<1.500	ND	1.500	ppbv	ND	3.687	ug/m3	NC	30
Methylene Chloride	5.997	**5.020**	0.7500	ppbv	17.44	2.605	ug/m3	18	30
trans-1,2-Dichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.189	ug/m3	NC	30
MTBE	<0.3000	ND	0.3000	ppbv	ND	1.082	ug/m3	NC	30
n-Hexane	16.18	**13.80**	0.3000	ppbv	48.64	1.057	ug/m3	16	30
1,1-Dichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.214	ug/m3	NC	30
Vinyl Acetate	7.125	**6.051**	1.500	ppbv	21.31	5.282	ug/m3	16	30
cis-1,2-Dichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.189	ug/m3	NC	30
2-Butanone	<1.500	ND	1.500	ppbv	ND	4.424	ug/m3	NC	30
Ethyl Acetate	19.79	**17.35**	0.7500	ppbv	62.51	2.703	ug/m3	13	30
Chloroform	<0.3000	ND	0.3000	ppbv	ND	1.465	ug/m3	NC	30
1,1,1-Trichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.637	ug/m3	NC	30
Cyclohexane	6.035	**5.248**	0.3000	ppbv	18.07	1.033	ug/m3	14	30
Carbon Tetrachloride	<0.3000	ND	0.3000	ppbv	ND	1.887	ug/m3	NC	30
Benzene	4.348	**3.780**	0.3000	ppbv	12.08	0.9584	ug/m3	14	30
1,2-Dichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.214	ug/m3	NC	30
n-Heptane	<0.3000	ND	0.3000	ppbv	ND	1.229	ug/m3	NC	30
Trichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.612	ug/m3	NC	30
1,2-Dichloropropane	<0.3000	ND	0.3000	ppbv	ND	1.386	ug/m3	NC	30
Bromodichloromethane	<0.3000	ND	0.3000	ppbv	ND	2.010	ug/m3	NC	30
cis-1,3-Dichloropropene	<0.3000	ND	0.3000	ppbv	ND	1.362	ug/m3	NC	30
4-Methyl-2-Pentanone	4.345	**3.721**	0.3000	ppbv	15.24	1.229	ug/m3	15	30
Toluene	5.411	**4.571**	0.3000	ppbv	17.23	1.131	ug/m3	17	30
trans-1,3-Dichloropropene	<0.3000	ND	0.3000	ppbv	ND	1.362	ug/m3	NC	30
1,1,2-Trichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.637	ug/m3	NC	30
Tetrachloroethene	<0.3000	ND	0.3000	ppbv	ND	2.035	ug/m3	NC	30

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)	RPD	Lim
2-Hexanone	<0.3000	ND	0.3000	ppbv	ND	1.229	ug/m3	NC	30
Dibromochloromethane	<0.3000	ND	0.3000	ppbv	ND	2.556	ug/m3	NC	30
1,2-Dibromoethane	<0.3000	ND	0.3000	ppbv	ND	2.305	ug/m3	NC	30
Chlorobenzene	<0.3000	ND	0.3000	ppbv	ND	1.381	ug/m3	NC	30
Ethylbenzene	0.9383	**0.7863**	0.3000	ppbv	3.414	1.303	ug/m3	18	30
m,p-Xylenes	1.449	**1.246**	0.6000	ppbv	5.410	2.605	ug/m3	15	30
o-Xylene	0.5326	**0.4407**	0.3000	ppbv	1.913	1.303	ug/m3	19	30
Styrene	<0.3000	ND	0.3000	ppbv	ND	1.278	ug/m3	NC	30
Bromoform	<0.3000	ND	0.3000	ppbv	ND	3.101	ug/m3	NC	30
1,1,2,2-Tetrachloroethane	<0.3000	ND	0.3000	ppbv	ND	2.060	ug/m3	NC	30
4-Ethyltoluene	0.3185	ND	0.3000	ppbv	ND	1.475	ug/m3	NC	30
1,3,5-Trimethylbenzene	<0.3000	ND	0.3000	ppbv	ND	1.475	ug/m3	NC	30
1,2,4-Trimethylbenzene	0.7737	**0.6177**	0.3000	ppbv	3.037	1.475	ug/m3	22	30
1,3-Dichlorobenzene	<0.3000	ND	0.3000	ppbv	ND	1.804	ug/m3	NC	30
1,4-Dichlorobenzene	<0.3000	ND	0.3000	ppbv	ND	1.804	ug/m3	NC	30
Benzyl chloride	<0.7500	ND	0.7500	ppbv	ND	3.883	ug/m3	NC	30
1,2-Dichlorobenzene	<0.3000	ND	0.3000	ppbv	ND	1.804	ug/m3	NC	30
1,2,4-Trichlorobenzene	<0.3000	ND	0.3000	ppbv	ND	2.226	ug/m3	NC	30
Hexachlorobutadiene	<0.3000	ND	0.3000	ppbv	ND	3.200	ug/m3	NC	30
Naphthalene	<0.7500	ND	0.7500	ppbv	ND	3.932	ug/m3	NC	30

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	101	60-140	ug/m3

Legend

NC: Not Calculated

ND: Not Detected

RL (V): Reporting Limit

RPD: Relative Percent Difference

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Reformed Gases by GC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-10-SV **Diln Fac:** 3.000 **Analyzed:** 10/09/20
Type: SAMPLE **Batch#:** 254079 **Prep:** METHOD
Lab ID: 434648-001 **Sampled:** 10/07/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 10/07/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.30	mol %
Oxygen	**15**	0.30	mol %

Field ID: RB-1-SV **Diln Fac:** 1.500 **Analyzed:** 10/09/20
Type: SAMPLE **Batch#:** 254079 **Prep:** METHOD
Lab ID: 434648-002 **Sampled:** 10/07/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 10/07/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.15	mol %
Oxygen	**15**	0.15	mol %

Field ID: RB-4-SV **Diln Fac:** 3.750 **Analyzed:** 10/09/20
Type: SAMPLE **Batch#:** 254079 **Prep:** METHOD
Lab ID: 434648-003 **Sampled:** 10/07/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 10/07/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	**0.89**	0.38	mol %
Oxygen	**12**	0.38	mol %

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD
Lab ID: QC889254 **Batch#:** 254079 **Analysis:** ASTM D1946
Matrix: Air **Analyzed:** 10/09/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.10	mol %
Oxygen	ND	0.10	mol %

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Reformed Gases by GC: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	ZZZZZZZZZZ	**Diln Fac:**	2.000	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	254079	**Analysis:**	ASTM D1946
MSS Lab ID:	434672-001	**Sampled:**	10/08/20	**Analyst:**	GSG
Lab ID:	QC889255	**Received:**	10/08/20		
Matrix:	Air	**Analyzed:**	10/09/20		

Analyte	MSS Result	Result	RL	Units	RPD	Lim
Helium	<0.2000	<0.2000	0.2000	mol %	0	20
Oxygen	16.81	**16.85**	0.2000	mol %	0	20

Legend

RL: Reporting Limit

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-10-SV **Diln Fac:** 3.000 **Analyzed:** 10/11/20 22:04
Type: SAMPLE **Batch#:** 254103 **Prep:**
Lab ID: 434648-001 **Sampled:** 10/07/20 14:35 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 10/07/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.53**	0.25	ppmv	2.2	1.0	mg/m3

Field ID: RB-1-SV **Diln Fac:** 1.500 **Analyzed:** 10/11/20 22:33
Type: SAMPLE **Batch#:** 254103 **Prep:**
Lab ID: 434648-002 **Sampled:** 10/07/20 15:43 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 10/07/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**11**	0.13	ppmv	43	0.52	mg/m3

Field ID: RB-4-SV **Diln Fac:** 3.750 **Analyzed:** 10/11/20 23:02
Type: SAMPLE **Batch#:** 254103 **Prep:**
Lab ID: 434648-003 **Sampled:** 10/07/20 15:43 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 10/07/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**1.5**	0.32	ppmv	6.1	1.3	mg/m3

Type: BLANK **Diln Fac:** 1.000 **Prep:**
Lab ID: QC889338 **Batch#:** 254103 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 10/11/20 21:35 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	ND	0.084	ppmv	ND	0.34	mg/m3

Legend

ND: Not Detected
RL (V): Reporting Limit
Result (M): Result in mass units
Result (V): Result in volume units

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M: Batch QC

Lab #: 434648 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Type: BS **Dil'n Fac:** 1.000 **Prep:**

Lab ID: QC889336 **Batch#:** 254103 **Analysis:** EPA TO-3M

Matrix: Air **Analyzed:** 10/11/20 20:07 **Analyst:** GSG

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
TPH Gasoline	2.500	2.218	ppmv	89	70-130

Type: BSD **Dil'n Fac:** 1.000 **Prep:**

Lab ID: QC889337 **Batch#:** 254103 **Analysis:** EPA TO-3M

Matrix: Air **Analyzed:** 10/11/20 20:36 **Analyst:** GSG

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
TPH Gasoline	2.500	2.332	ppmv	93	70-130	5	25

Legend

RPD: Relative Percent Difference

Result (V): Result in volume units

Enthalpy Analytical
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Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 435764
Report Level: II
Report Date: 11/10/2020

Analytical Report *prepared for:*

Josh Fox
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 2965.0014S000 - 2400-2440 Camino Ramon

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Josh Fox
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #:	435764
Project No:	2965.0014S000
Location:	2400-2440 Camino Ramon
Date Received:	11/02/20

Sample ID	Lab ID	Collected	Matrix
RB-17-SV	435764-001	11/03/20 14:49	Air
RB-15-SV	435764-002	11/03/20 14:12	Air
RB-14-SV	435764-003	11/03/20 12:44	Air
RB-13-SV	435764-004	11/03/20 11:56	Air
RB-12-SV	435764-005	11/03/20 10:50	Air
RB-11-SV	435764-006	11/03/20 09:37	Air
RB-16-SV	435764-007	11/03/20 15:36	Air
RB-20-SV	435764-008	11/03/20 16:00	Air

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Case Narrative

Roux Associates 555 12th Street Suite 250 Oakland, CA 94607 Josh Fox	Lab Job Number: 435764 Project No: 2965.0014S000 Location: 2400-2440 Camino Ramon Date Received: 11/02/20

This data package contains sample and QC results for eight air samples, requested for the above referenced project on 11/02/20. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):
RB-12-SV (lab # 435764-005) was diluted due to high non-target analytes. No other analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary for 435764

Client: Roux Associates
Project: 2965.0014S000
Location 2400-2440 Camino Ramon

Sample ID: RB-17-SV — Lab ID: 435764-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	11		4.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
Carbon Disulfide	1.3		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Isopropanol (IPA)	2.4		2.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
Toluene	4.0		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Tetrachloroethene	0.40		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Oxygen	8.6		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	1.7		0.050	ppmv	As Recd	2.000	EPA TO-3M	

Sample ID: RB-15-SV — Lab ID: 435764-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Freon 12	0.46		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Acetone	4.6		4.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
Carbon Disulfide	1.2		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Hexane	0.43		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Benzene	1.2		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Heptane	0.53		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Toluene	13		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Tetrachloroethene	0.53		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Ethylbenzene	1.1		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
m,p-Xylenes	2.9		0.80	ppbv	As Recd	2.000	EPA TO-15	METHOD
o-Xylene	1.0		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Oxygen	12		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	0.60		0.050	ppmv	As Recd	2.000	EPA TO-3M	

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ENTHALPY ANALYTICAL

Detection Summary for 435764

Sample ID: RB-14-SV — Lab ID: 435764-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Carbon Disulfide	1.9		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Methylene Chloride	1.3		1.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Hexane	0.46		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Heptane	0.66		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Toluene	2.2		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Tetrachloroethene	0.56		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
m,p-Xylenes	1.0		0.80	ppbv	As Recd	2.000	EPA TO-15	METHOD
Oxygen	14		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	0.24		0.050	ppmv	As Recd	2.000	EPA TO-3M	

Sample ID: RB-13-SV — Lab ID: 435764-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Acetone	13		4.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
Carbon Disulfide	2.8		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Methylene Chloride	1.3		1.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Hexane	1.0		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Cyclohexane	0.49		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Benzene	1.1		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Heptane	1.8		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Toluene	4.2		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Tetrachloroethene	0.94		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Ethylbenzene	0.71		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
m,p-Xylenes	2.1		0.80	ppbv	As Recd	2.000	EPA TO-15	METHOD
o-Xylene	0.79		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
1,2,4-Trimethylbenzene	0.69		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Oxygen	2.6		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	0.41		0.050	ppmv	As Recd	2.000	EPA TO-3M	

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ENTHALPY ANALYTICAL

Detection Summary for 435764

Sample ID: RB-12-SV — Lab ID: 435764-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Carbon Disulfide	45		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
n-Hexane	210		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
Cyclohexane	71		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
Benzene	30		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
n-Heptane	120		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
Toluene	35		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
Tetrachloroethene	4.3		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
Ethylbenzene	4.8		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
m,p-Xylenes	16		6.4	ppbv	As Recd	16.00	EPA TO-15	METHOD
o-Xylene	5.0		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
1,2,4-Trimethylbenzene	3.8		3.2	ppbv	As Recd	16.00	EPA TO-15	METHOD
TPH Gasoline	10		0.050	ppmv	As Recd	2.000	EPA TO-3M	

Sample ID: RB-11-SV — Lab ID: 435764-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Freon 12	0.42		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Acetone	18		4.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
Carbon Disulfide	1.6		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Methylene Chloride	2.8		1.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Hexane	0.47		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Toluene	2.4		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Tetrachloroethene	1.0		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Ethylbenzene	0.51		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
m,p-Xylenes	1.7		0.80	ppbv	As Recd	2.000	EPA TO-15	METHOD
o-Xylene	0.83		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
1,2,4-Trimethylbenzene	0.43		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Oxygen	12		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	9.5		0.050	ppmv	As Recd	2.000	EPA TO-3M	

Sample ID: RB-16-SV — Lab ID: 435764-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
m,p-Xylenes	36		16	ppbv	As Recd	40.00	EPA TO-15	METHOD
Oxygen	3.1		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	0.36		0.050	ppmv	As Recd	2.000	EPA TO-3M	

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Detection Summary for 435764

Sample ID: RB-20-SV — Lab ID: 435764-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Freon 12	0.42		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Acetone	7.5		4.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
Carbon Disulfide	2.6		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Methylene Chloride	1.1		1.0	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Hexane	1.3		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Benzene	1.3		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
n-Heptane	2.0		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Toluene	6.5		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Tetrachloroethene	1.4		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Ethylbenzene	1.1		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
m,p-Xylenes	3.0		0.80	ppbv	As Recd	2.000	EPA TO-15	METHOD
o-Xylene	1.2		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
1,2,4-Trimethylbenzene	0.55		0.40	ppbv	As Recd	2.000	EPA TO-15	METHOD
Oxygen	8.8		0.20	mol %	As Recd	2.000	ASTM D1946	METHOD
TPH Gasoline	0.94		0.050	ppmv	As Recd	2.000	EPA TO-3M	

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Enthalpy Analytical LLC
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AIR TESTING - CHAIN OF CUSTODY
& PURCHASE ORDER

Page 1 of 1
Chain of Custody # :

C&T LOGIN # 435764

Project No: 2965.00145000
Project Name: Camino Ramon
EDD Format: _____ Rpt Level: II III IV
Turnaround Time: ☐ RUSH _____ ☒ Standard

Sampler: Lucas Howard
Report To: Josh Fox
Company : Roux
Telephone: ~~cell~~ 510-518-5615
Email: JFox@rouxinc.com

Lab No.	Sample ID.	Sampling Information					TESTING REQUESTED				
		Date Collected	Time Collected	Canister ID (Bar Code #)	Flow Controller ID	Sample Volume (Gauge Reading)	TPH-g and VOCs by TO-15	Helium and Oxygen by ASTM D-1946			
	RB-17-SV	11/2/2020	1449	415	A00437	5	X	X			
	RB-15-SV		1412	351	A00855	5	X	X			
	RB-14-SV		1244	412	A00456	0	X	X			
	RB-13-SV		1156	415.1	A00440	5	X	X			
	RB-12-SV		1050	418	A00477	5	X	X			
	RB-11-SV		0937	510	A00444	5	X	X			
	RB-16-SV		1536	326	A00478	5	X	X			
	RB-20-SV	↓	1600	078	A00474	5	X	X			

Notes:
Standard TAT
Also email results to lhoward@rouxinc.com

RELINQUISHED BY:
Gumma Tobar 11/2/20 5:15 DATE/TIME
[signature] 11/3/20 821 DATE/TIME
DATE/TIME

RECEIVED BY:
[signature] 11/2/20 1715 DATE/TIME
[signature] ~~11/3/20~~ 11/4/20 0845 DATE/TIME
DATE/TIME

We recieved 2 cans with 415 ID #
We put a ".1" after one of them
to avoid confusion.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: _____

Date Received: 10/4/24 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): Ambient

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/4/24

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-17-SV	**Batch#:**	255919	**Prep:**	METHOD
Lab ID:	435764-001	**Sampled:**	11/03/20 14:49	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	11/02/20	**Analyst:**	GVO
DilN Fac:	2.000	**Analyzed:**	11/09/20 09:37		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.40	ppbv	ND	1.4	ug/m3
Propylene	ND	0.40	ppbv	ND	0.69	ug/m3
Freon 12	ND	0.40	ppbv	ND	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
1,3-Butadiene	ND	0.40	ppbv	ND	0.88	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**11**	4.0	ppbv	27	9.5	ug/m3
Carbon Disulfide	**1.3**	0.40	ppbv	3.9	1.2	ug/m3
Isopropanol (IPA)	**2.4**	2.0	ppbv	5.8	4.9	ug/m3
Methylene Chloride	ND	1.0	ppbv	ND	3.5	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	ND	0.40	ppbv	ND	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Ethyl Acetate	ND	0.80	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.40	ppbv	ND	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Cyclohexane	ND	0.40	ppbv	ND	1.4	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	ND	0.40	ppbv	ND	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
n-Heptane	ND	0.40	ppbv	ND	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**4.0**	0.40	ppbv	15	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**0.40**	0.40	ppbv	2.7	2.7	ug/m3
2-Hexanone	ND	0.40	ppbv	ND	1.6	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	ND	0.40	ppbv	ND	1.7	ug/m3
m,p-Xylenes	ND	0.80	ppbv	ND	3.5	ug/m3
o-Xylene	ND	0.40	ppbv	ND	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	1.0	ppbv	ND	5.2	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	1.0	ppbv	ND	7.4	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	95	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-15-SV	**Batch#:**	255919	**Prep:**	METHOD
Lab ID:	435764-002	**Sampled:**	11/03/20 14:12	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	11/02/20	**Analyst:**	GVO
DilN Fac:	2.000	**Analyzed:**	11/09/20 12:01		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.40	ppbv	ND	1.4	ug/m3
Propylene	ND	0.40	ppbv	ND	0.69	ug/m3
Freon 12	**0.46**	0.40	ppbv	2.3	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
1,3-Butadiene	ND	0.40	ppbv	ND	0.88	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**4.6**	4.0	ppbv	11	9.5	ug/m3
Carbon Disulfide	**1.2**	0.40	ppbv	3.8	1.2	ug/m3
Isopropanol (IPA)	ND	2.0	ppbv	ND	4.9	ug/m3
Methylene Chloride	ND	1.0	ppbv	ND	3.5	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	**0.43**	0.40	ppbv	1.5	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Ethyl Acetate	ND	0.80	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.40	ppbv	ND	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Cyclohexane	ND	0.40	ppbv	ND	1.4	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	**1.2**	0.40	ppbv	3.9	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
n-Heptane	**0.53**	0.40	ppbv	2.2	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**13**	0.40	ppbv	49	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**0.53**	0.40	ppbv	3.6	2.7	ug/m3
2-Hexanone	ND	0.40	ppbv	ND	1.6	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	**1.1**	0.40	ppbv	4.9	1.7	ug/m3
m,p-Xylenes	**2.9**	0.80	ppbv	12	3.5	ug/m3
o-Xylene	**1.0**	0.40	ppbv	4.3	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	1.0	ppbv	ND	5.2	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	1.0	ppbv	ND	7.4	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	96	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-14-SV **Batch#:** 255919 **Prep:** METHOD

Lab ID: 435764-003 **Sampled:** 11/03/20 12:44 **Analysis:** EPA TO-15

Matrix: Air **Received:** 11/02/20 **Analyst:** GVO

DilN Fac: 2.000 **Analyzed:** 11/09/20 14:22

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.40	ppbv	ND	1.4	ug/m3
Propylene	ND	0.40	ppbv	ND	0.69	ug/m3
Freon 12	ND	0.40	ppbv	ND	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
1,3-Butadiene	ND	0.40	ppbv	ND	0.88	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	ND	4.0	ppbv	ND	9.5	ug/m3
Carbon Disulfide	**1.9**	0.40	ppbv	5.8	1.2	ug/m3
Isopropanol (IPA)	ND	2.0	ppbv	ND	4.9	ug/m3
Methylene Chloride	**1.3**	1.0	ppbv	4.4	3.5	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	**0.46**	0.40	ppbv	1.6	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Ethyl Acetate	ND	0.80	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.40	ppbv	ND	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Cyclohexane	ND	0.40	ppbv	ND	1.4	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	ND	0.40	ppbv	ND	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
n-Heptane	**0.66**	0.40	ppbv	2.7	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**2.2**	0.40	ppbv	8.4	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**0.56**	0.40	ppbv	3.8	2.7	ug/m3
2-Hexanone	ND	0.40	ppbv	ND	1.6	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	ND	0.40	ppbv	ND	1.7	ug/m3
m,p-Xylenes	**1.0**	0.80	ppbv	4.4	3.5	ug/m3
o-Xylene	ND	0.40	ppbv	ND	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	1.0	ppbv	ND	5.2	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	1.0	ppbv	ND	7.4	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	95	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-13-SV	**Batch#:**	255919	**Prep:**	METHOD
Lab ID:	435764-004	**Sampled:**	11/03/20 11:56	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	11/02/20	**Analyst:**	GVO
DilN Fac:	2.000	**Analyzed:**	11/09/20 16:03		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.40	ppbv	ND	1.4	ug/m3
Propylene	ND	0.40	ppbv	ND	0.69	ug/m3
Freon 12	ND	0.40	ppbv	ND	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
1,3-Butadiene	ND	0.40	ppbv	ND	0.88	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**13**	4.0	ppbv	31	9.5	ug/m3
Carbon Disulfide	**2.8**	0.40	ppbv	8.8	1.2	ug/m3
Isopropanol (IPA)	ND	2.0	ppbv	ND	4.9	ug/m3
Methylene Chloride	**1.3**	1.0	ppbv	4.6	3.5	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	**1.0**	0.40	ppbv	3.7	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Ethyl Acetate	ND	0.80	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.40	ppbv	ND	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Cyclohexane	**0.49**	0.40	ppbv	1.7	1.4	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	**1.1**	0.40	ppbv	3.4	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
n-Heptane	**1.8**	0.40	ppbv	7.6	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**4.2**	0.40	ppbv	16	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**0.94**	0.40	ppbv	6.4	2.7	ug/m3
2-Hexanone	ND	0.40	ppbv	ND	1.6	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	**0.71**	0.40	ppbv	3.1	1.7	ug/m3
m,p-Xylenes	**2.1**	0.80	ppbv	9.2	3.5	ug/m3
o-Xylene	**0.79**	0.40	ppbv	3.4	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	**0.69**	0.40	ppbv	3.4	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	1.0	ppbv	ND	5.2	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	1.0	ppbv	ND	7.4	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	97	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-12-SV **Batch#:** 255919 **Prep:** METHOD

Lab ID: 435764-005 **Sampled:** 11/03/20 10:50 **Analysis:** EPA TO-15

Matrix: Air **Received:** 11/02/20 **Analyst:** GVO

DilN Fac: 16.00 **Analyzed:** 11/09/20 12:46

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	3.2	ppbv	ND	12	ug/m3
Propylene	ND	3.2	ppbv	ND	5.5	ug/m3
Freon 12	ND	3.2	ppbv	ND	16	ug/m3
Freon 114	ND	3.2	ppbv	ND	22	ug/m3
Chloromethane	ND	3.2	ppbv	ND	6.6	ug/m3
Vinyl Chloride	ND	3.2	ppbv	ND	8.2	ug/m3
1,3-Butadiene	ND	3.2	ppbv	ND	7.1	ug/m3
Bromomethane	ND	3.2	ppbv	ND	12	ug/m3
Chloroethane	ND	3.2	ppbv	ND	8.4	ug/m3
Trichlorofluoromethane	ND	3.2	ppbv	ND	18	ug/m3
1,1-Dichloroethene	ND	3.2	ppbv	ND	13	ug/m3
Freon 113	ND	3.2	ppbv	ND	25	ug/m3
Acetone	ND	32	ppbv	ND	76	ug/m3
Carbon Disulfide	**45**	3.2	ppbv	140	10	ug/m3
Isopropanol (IPA)	ND	16	ppbv	ND	39	ug/m3
Methylene Chloride	ND	8.0	ppbv	ND	28	ug/m3
trans-1,2-Dichloroethene	ND	3.2	ppbv	ND	13	ug/m3
MTBE	ND	3.2	ppbv	ND	12	ug/m3
n-Hexane	**210**	3.2	ppbv	750	11	ug/m3
1,1-Dichloroethane	ND	3.2	ppbv	ND	13	ug/m3
Vinyl Acetate	ND	16	ppbv	ND	56	ug/m3
cis-1,2-Dichloroethene	ND	3.2	ppbv	ND	13	ug/m3
2-Butanone	ND	16	ppbv	ND	47	ug/m3
Ethyl Acetate	ND	6.4	ppbv	ND	23	ug/m3
Chloroform	ND	3.2	ppbv	ND	16	ug/m3
1,1,1-Trichloroethane	ND	3.2	ppbv	ND	17	ug/m3
Cyclohexane	**71**	3.2	ppbv	240	11	ug/m3
Carbon Tetrachloride	ND	3.2	ppbv	ND	20	ug/m3
Benzene	**30**	3.2	ppbv	96	10	ug/m3
1,2-Dichloroethane	ND	3.2	ppbv	ND	13	ug/m3
n-Heptane	**120**	3.2	ppbv	510	13	ug/m3
Trichloroethene	ND	3.2	ppbv	ND	17	ug/m3
1,2-Dichloropropane	ND	3.2	ppbv	ND	15	ug/m3
Bromodichloromethane	ND	3.2	ppbv	ND	21	ug/m3
cis-1,3-Dichloropropene	ND	3.2	ppbv	ND	15	ug/m3
4-Methyl-2-Pentanone	ND	3.2	ppbv	ND	13	ug/m3
Toluene	**35**	3.2	ppbv	130	12	ug/m3
trans-1,3-Dichloropropene	ND	3.2	ppbv	ND	15	ug/m3
1,1,2-Trichloroethane	ND	3.2	ppbv	ND	17	ug/m3
Tetrachloroethene	**4.3**	3.2	ppbv	29	22	ug/m3
2-Hexanone	ND	3.2	ppbv	ND	13	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	3.2	ppbv	ND	27	ug/m3
1,2-Dibromoethane	ND	3.2	ppbv	ND	25	ug/m3
Chlorobenzene	ND	3.2	ppbv	ND	15	ug/m3
Ethylbenzene	**4.8**	3.2	ppbv	21	14	ug/m3
m,p-Xylenes	**16**	6.4	ppbv	68	28	ug/m3
o-Xylene	**5.0**	3.2	ppbv	22	14	ug/m3
Styrene	ND	3.2	ppbv	ND	14	ug/m3
Bromoform	ND	3.2	ppbv	ND	33	ug/m3
1,1,2,2-Tetrachloroethane	ND	3.2	ppbv	ND	22	ug/m3
4-Ethyltoluene	ND	3.2	ppbv	ND	16	ug/m3
1,3,5-Trimethylbenzene	ND	3.2	ppbv	ND	16	ug/m3
1,2,4-Trimethylbenzene	**3.8**	3.2	ppbv	19	16	ug/m3
1,3-Dichlorobenzene	ND	3.2	ppbv	ND	19	ug/m3
1,4-Dichlorobenzene	ND	3.2	ppbv	ND	19	ug/m3
Benzyl chloride	ND	8.0	ppbv	ND	41	ug/m3
1,2-Dichlorobenzene	ND	3.2	ppbv	ND	19	ug/m3
1,2,4-Trichlorobenzene	ND	8.0	ppbv	ND	59	ug/m3
Hexachlorobutadiene	ND	3.2	ppbv	ND	34	ug/m3
Naphthalene	ND	8.0	ppbv	ND	42	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	96	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-11-SV **Batch#:** 255919 **Prep:** METHOD

Lab ID: 435764-006 **Sampled:** 11/03/20 09:37 **Analysis:** EPA TO-15

Matrix: Air **Received:** 11/02/20 **Analyst:** GVO

DilN Fac: 2.000 **Analyzed:** 11/09/20 16:55

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.40	ppbv	ND	1.4	ug/m3
Propylene	ND	0.40	ppbv	ND	0.69	ug/m3
Freon 12	**0.42**	0.40	ppbv	2.1	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
1,3-Butadiene	ND	0.40	ppbv	ND	0.88	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**18**	4.0	ppbv	42	9.5	ug/m3
Carbon Disulfide	**1.6**	0.40	ppbv	5.1	1.2	ug/m3
Isopropanol (IPA)	ND	2.0	ppbv	ND	4.9	ug/m3
Methylene Chloride	**2.8**	1.0	ppbv	9.7	3.5	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	**0.47**	0.40	ppbv	1.7	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Ethyl Acetate	ND	0.80	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.40	ppbv	ND	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Cyclohexane	ND	0.40	ppbv	ND	1.4	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	ND	0.40	ppbv	ND	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
n-Heptane	ND	0.40	ppbv	ND	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**2.4**	0.40	ppbv	9.0	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**1.0**	0.40	ppbv	7.0	2.7	ug/m3
2-Hexanone	ND	0.40	ppbv	ND	1.6	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	**0.51**	0.40	ppbv	2.2	1.7	ug/m3
m,p-Xylenes	**1.7**	0.80	ppbv	7.2	3.5	ug/m3
o-Xylene	**0.83**	0.40	ppbv	3.6	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	**0.43**	0.40	ppbv	2.1	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	1.0	ppbv	ND	5.2	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	1.0	ppbv	ND	7.4	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	98	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-16-SV	**Batch#:**	255919	**Prep:**	METHOD
Lab ID:	435764-007	**Sampled:**	11/03/20 15:36	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	11/02/20	**Analyst:**	GVO
DiIn Fac:	40.00	**Analyzed:**	11/09/20 17:41		

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	8.0	ppbv	ND	29	ug/m3
Propylene	ND	8.0	ppbv	ND	14	ug/m3
Freon 12	ND	8.0	ppbv	ND	40	ug/m3
Freon 114	ND	8.0	ppbv	ND	56	ug/m3
Chloromethane	ND	8.0	ppbv	ND	17	ug/m3
Vinyl Chloride	ND	8.0	ppbv	ND	20	ug/m3
1,3-Butadiene	ND	8.0	ppbv	ND	18	ug/m3
Bromomethane	ND	8.0	ppbv	ND	31	ug/m3
Chloroethane	ND	8.0	ppbv	ND	21	ug/m3
Trichlorofluoromethane	ND	8.0	ppbv	ND	45	ug/m3
1,1-Dichloroethene	ND	8.0	ppbv	ND	32	ug/m3
Freon 113	ND	8.0	ppbv	ND	61	ug/m3
Acetone	ND	80	ppbv	ND	190	ug/m3
Carbon Disulfide	ND	8.0	ppbv	ND	25	ug/m3
Isopropanol (IPA)	ND	40	ppbv	ND	98	ug/m3
Methylene Chloride	ND	20	ppbv	ND	69	ug/m3
trans-1,2-Dichloroethene	ND	8.0	ppbv	ND	32	ug/m3
MTBE	ND	8.0	ppbv	ND	29	ug/m3
n-Hexane	ND	8.0	ppbv	ND	28	ug/m3
1,1-Dichloroethane	ND	8.0	ppbv	ND	32	ug/m3
Vinyl Acetate	ND	40	ppbv	ND	140	ug/m3
cis-1,2-Dichloroethene	ND	8.0	ppbv	ND	32	ug/m3
2-Butanone	ND	40	ppbv	ND	120	ug/m3
Ethyl Acetate	ND	16	ppbv	ND	58	ug/m3
Chloroform	ND	8.0	ppbv	ND	39	ug/m3
1,1,1-Trichloroethane	ND	8.0	ppbv	ND	44	ug/m3
Cyclohexane	ND	8.0	ppbv	ND	28	ug/m3
Carbon Tetrachloride	ND	8.0	ppbv	ND	50	ug/m3
Benzene	ND	8.0	ppbv	ND	26	ug/m3
1,2-Dichloroethane	ND	8.0	ppbv	ND	32	ug/m3
n-Heptane	ND	8.0	ppbv	ND	33	ug/m3
Trichloroethene	ND	8.0	ppbv	ND	43	ug/m3
1,2-Dichloropropane	ND	8.0	ppbv	ND	37	ug/m3
Bromodichloromethane	ND	8.0	ppbv	ND	54	ug/m3
cis-1,3-Dichloropropene	ND	8.0	ppbv	ND	36	ug/m3
4-Methyl-2-Pentanone	ND	8.0	ppbv	ND	33	ug/m3
Toluene	ND	8.0	ppbv	ND	30	ug/m3
trans-1,3-Dichloropropene	ND	8.0	ppbv	ND	36	ug/m3
1,1,2-Trichloroethane	ND	8.0	ppbv	ND	44	ug/m3
Tetrachloroethene	ND	8.0	ppbv	ND	54	ug/m3
2-Hexanone	ND	8.0	ppbv	ND	33	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	8.0	ppbv	ND	68	ug/m3
1,2-Dibromoethane	ND	8.0	ppbv	ND	61	ug/m3
Chlorobenzene	ND	8.0	ppbv	ND	37	ug/m3
Ethylbenzene	ND	8.0	ppbv	ND	35	ug/m3
m,p-Xylenes	**36**	16	ppbv	160	69	ug/m3
o-Xylene	ND	8.0	ppbv	ND	35	ug/m3
Styrene	ND	8.0	ppbv	ND	34	ug/m3
Bromoform	ND	8.0	ppbv	ND	83	ug/m3
1,1,2,2-Tetrachloroethane	ND	8.0	ppbv	ND	55	ug/m3
4-Ethyltoluene	ND	8.0	ppbv	ND	39	ug/m3
1,3,5-Trimethylbenzene	ND	8.0	ppbv	ND	39	ug/m3
1,2,4-Trimethylbenzene	ND	8.0	ppbv	ND	39	ug/m3
1,3-Dichlorobenzene	ND	8.0	ppbv	ND	48	ug/m3
1,4-Dichlorobenzene	ND	8.0	ppbv	ND	48	ug/m3
Benzyl chloride	ND	20	ppbv	ND	100	ug/m3
1,2-Dichlorobenzene	ND	8.0	ppbv	ND	48	ug/m3
1,2,4-Trichlorobenzene	ND	20	ppbv	ND	150	ug/m3
Hexachlorobutadiene	ND	8.0	ppbv	ND	85	ug/m3
Naphthalene	ND	20	ppbv	ND	100	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	84	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-20-SV **Batch#:** 255919 **Prep:** METHOD

Lab ID: 435764-008 **Sampled:** 11/03/20 16:00 **Analysis:** EPA TO-15

Matrix: Air **Received:** 11/02/20 **Analyst:** GVO

DilN Fac: 2.000 **Analyzed:** 11/09/20 18:32

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.40	ppbv	ND	1.4	ug/m3
Propylene	ND	0.40	ppbv	ND	0.69	ug/m3
Freon 12	**0.42**	0.40	ppbv	2.1	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
1,3-Butadiene	ND	0.40	ppbv	ND	0.88	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**7.5**	4.0	ppbv	18	9.5	ug/m3
Carbon Disulfide	**2.6**	0.40	ppbv	8.0	1.2	ug/m3
Isopropanol (IPA)	ND	2.0	ppbv	ND	4.9	ug/m3
Methylene Chloride	**1.1**	1.0	ppbv	3.8	3.5	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	**1.3**	0.40	ppbv	4.4	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Ethyl Acetate	ND	0.80	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.40	ppbv	ND	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Cyclohexane	ND	0.40	ppbv	ND	1.4	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	**1.3**	0.40	ppbv	4.3	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
n-Heptane	**2.0**	0.40	ppbv	8.2	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**6.5**	0.40	ppbv	24	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**1.4**	0.40	ppbv	9.8	2.7	ug/m3
2-Hexanone	ND	0.40	ppbv	ND	1.6	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	**1.1**	0.40	ppbv	4.6	1.7	ug/m3
m,p-Xylenes	**3.0**	0.80	ppbv	13	3.5	ug/m3
o-Xylene	**1.2**	0.40	ppbv	5.1	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	**0.55**	0.40	ppbv	2.7	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	1.0	ppbv	ND	5.2	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	1.0	ppbv	ND	7.4	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	96	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Type: BLANK **DilnFac:** 1.000 **Prep:** METHOD

Lab ID: QC894157 **Batch#:** 255919 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 11/09/20 08:38 **Analyst:** GVO

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,4-Dioxane	ND	0.20	ppbv	ND	0.72	ug/m3
Propylene	ND	0.20	ppbv	ND	0.34	ug/m3
Freon 12	ND	0.20	ppbv	ND	0.99	ug/m3
Freon 114	ND	0.20	ppbv	ND	1.4	ug/m3
Chloromethane	ND	0.20	ppbv	ND	0.41	ug/m3
Vinyl Chloride	ND	0.20	ppbv	ND	0.51	ug/m3
1,3-Butadiene	ND	0.20	ppbv	ND	0.44	ug/m3
Bromomethane	ND	0.20	ppbv	ND	0.78	ug/m3
Chloroethane	ND	0.20	ppbv	ND	0.53	ug/m3
Trichlorofluoromethane	ND	0.20	ppbv	ND	1.1	ug/m3
1,1-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
Freon 113	ND	0.20	ppbv	ND	1.5	ug/m3
Acetone	ND	2.0	ppbv	ND	4.8	ug/m3
Carbon Disulfide	ND	0.20	ppbv	ND	0.62	ug/m3
Isopropanol (IPA)	ND	1.0	ppbv	ND	2.5	ug/m3
Methylene Chloride	ND	0.50	ppbv	ND	1.7	ug/m3
trans-1,2-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
MTBE	ND	0.20	ppbv	ND	0.72	ug/m3
n-Hexane	ND	0.20	ppbv	ND	0.70	ug/m3
1,1-Dichloroethane	ND	0.20	ppbv	ND	0.81	ug/m3
Vinyl Acetate	ND	1.0	ppbv	ND	3.5	ug/m3
cis-1,2-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
2-Butanone	ND	1.0	ppbv	ND	2.9	ug/m3
Ethyl Acetate	ND	0.40	ppbv	ND	1.4	ug/m3
Chloroform	ND	0.20	ppbv	ND	0.98	ug/m3
1,1,1-Trichloroethane	ND	0.20	ppbv	ND	1.1	ug/m3
Cyclohexane	ND	0.20	ppbv	ND	0.69	ug/m3
Carbon Tetrachloride	ND	0.20	ppbv	ND	1.3	ug/m3
Benzene	ND	0.20	ppbv	ND	0.64	ug/m3
1,2-Dichloroethane	ND	0.20	ppbv	ND	0.81	ug/m3
n-Heptane	ND	0.20	ppbv	ND	0.82	ug/m3
Trichloroethene	ND	0.20	ppbv	ND	1.1	ug/m3
1,2-Dichloropropane	ND	0.20	ppbv	ND	0.92	ug/m3
Bromodichloromethane	ND	0.20	ppbv	ND	1.3	ug/m3
cis-1,3-Dichloropropene	ND	0.20	ppbv	ND	0.91	ug/m3
4-Methyl-2-Pentanone	ND	0.20	ppbv	ND	0.82	ug/m3
Toluene	ND	0.20	ppbv	ND	0.75	ug/m3
trans-1,3-Dichloropropene	ND	0.20	ppbv	ND	0.91	ug/m3
1,1,2-Trichloroethane	ND	0.20	ppbv	ND	1.1	ug/m3
Tetrachloroethene	ND	0.20	ppbv	ND	1.4	ug/m3
2-Hexanone	ND	0.20	ppbv	ND	0.82	ug/m3
Dibromochloromethane	ND	0.20	ppbv	ND	1.7	ug/m3

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,2-Dibromoethane	ND	0.20	ppbv	ND	1.5	ug/m3
Chlorobenzene	ND	0.20	ppbv	ND	0.92	ug/m3
Ethylbenzene	ND	0.20	ppbv	ND	0.87	ug/m3
m,p-Xylenes	ND	0.40	ppbv	ND	1.7	ug/m3
o-Xylene	ND	0.20	ppbv	ND	0.87	ug/m3
Styrene	ND	0.20	ppbv	ND	0.85	ug/m3
Bromoform	ND	0.20	ppbv	ND	2.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.20	ppbv	ND	1.4	ug/m3
4-Ethyltoluene	ND	0.20	ppbv	ND	0.98	ug/m3
1,3,5-Trimethylbenzene	ND	0.20	ppbv	ND	0.98	ug/m3
1,2,4-Trimethylbenzene	ND	0.20	ppbv	ND	0.98	ug/m3
1,3-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
1,4-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
Benzyl chloride	ND	0.50	ppbv	ND	2.6	ug/m3
1,2-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
1,2,4-Trichlorobenzene	ND	0.50	ppbv	ND	3.7	ug/m3
Hexachlorobutadiene	ND	0.20	ppbv	ND	2.1	ug/m3
Naphthalene	ND	0.50	ppbv	ND	2.6	ug/m3

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	95	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-12-SV **DilN Fac:** 16.00 **Prep:** METHOD

Type: SDUP **Batch#:** 255919 **Analysis:** EPA TO-15

MSS Lab ID: 435764-005 **Sampled:** 11/03/20 10:50 **Analyst:** GVO

Lab ID: QC894158 **Received:** 11/02/20

Matrix: Air **Analyzed:** 11/09/20 13:31

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)	RPD	Lim
1,4-Dioxane	<3.200	ND	3.200	ppbv	ND	11.53	ug/m3	NC	30
Propylene	<3.200	ND	3.200	ppbv	ND	5.507	ug/m3	NC	30
Freon 12	<3.200	ND	3.200	ppbv	ND	15.83	ug/m3	NC	30
Freon 114	<3.200	ND	3.200	ppbv	ND	22.37	ug/m3	NC	30
Chloromethane	<3.200	ND	3.200	ppbv	ND	6.608	ug/m3	NC	30
Vinyl Chloride	<3.200	ND	3.200	ppbv	ND	8.180	ug/m3	NC	30
1,3-Butadiene	<3.200	ND	3.200	ppbv	ND	7.079	ug/m3	NC	30
Bromomethane	<3.200	ND	3.200	ppbv	ND	12.43	ug/m3	NC	30
Chloroethane	<3.200	ND	3.200	ppbv	ND	8.444	ug/m3	NC	30
Trichlorofluoromethane	<3.200	ND	3.200	ppbv	ND	17.98	ug/m3	NC	30
1,1-Dichloroethene	<3.200	ND	3.200	ppbv	ND	12.69	ug/m3	NC	30
Freon 113	<3.200	ND	3.200	ppbv	ND	24.52	ug/m3	NC	30
Acetone	<32.00	ND	32.00	ppbv	ND	76.01	ug/m3	NC	30
Carbon Disulfide	44.97	**45.90**	3.200	ppbv	142.9	9.964	ug/m3	2	30
Isopropanol (IPA)	<16.00	ND	16.00	ppbv	ND	39.33	ug/m3	NC	30
Methylene Chloride	<8.000	ND	8.000	ppbv	ND	27.79	ug/m3	NC	30
trans-1,2-Dichloroethene	<3.200	ND	3.200	ppbv	ND	12.69	ug/m3	NC	30
MTBE	<3.200	ND	3.200	ppbv	ND	11.54	ug/m3	NC	30
n-Hexane	214.2	**219.7**	3.200	ppbv	774.5	11.28	ug/m3	3	30
1,1-Dichloroethane	<3.200	ND	3.200	ppbv	ND	12.95	ug/m3	NC	30
Vinyl Acetate	<16.00	ND	16.00	ppbv	ND	56.34	ug/m3	NC	30
cis-1,2-Dichloroethene	<3.200	ND	3.200	ppbv	ND	12.69	ug/m3	NC	30
2-Butanone	<16.00	ND	16.00	ppbv	ND	47.19	ug/m3	NC	30
Ethyl Acetate	<6.400	ND	6.400	ppbv	ND	23.06	ug/m3	NC	30
Chloroform	<3.200	ND	3.200	ppbv	ND	15.62	ug/m3	NC	30
1,1,1-Trichloroethane	<3.200	ND	3.200	ppbv	ND	17.46	ug/m3	NC	30
Cyclohexane	71.12	**72.70**	3.200	ppbv	250.2	11.01	ug/m3	2	30
Carbon Tetrachloride	<3.200	ND	3.200	ppbv	ND	20.13	ug/m3	NC	30
Benzene	29.91	**30.28**	3.200	ppbv	96.73	10.22	ug/m3	1	30
1,2-Dichloroethane	<3.200	ND	3.200	ppbv	ND	12.95	ug/m3	NC	30
n-Heptane	124.7	**127.6**	3.200	ppbv	522.9	13.11	ug/m3	2	30
Trichloroethene	<3.200	ND	3.200	ppbv	ND	17.20	ug/m3	NC	30
1,2-Dichloropropane	<3.200	ND	3.200	ppbv	ND	14.79	ug/m3	NC	30
Bromodichloromethane	<3.200	ND	3.200	ppbv	ND	21.44	ug/m3	NC	30
cis-1,3-Dichloropropene	<3.200	ND	3.200	ppbv	ND	14.52	ug/m3	NC	30
4-Methyl-2-Pentanone	<3.200	ND	3.200	ppbv	ND	13.11	ug/m3	NC	30
Toluene	34.58	**35.26**	3.200	ppbv	132.9	12.06	ug/m3	2	30
trans-1,3-Dichloropropene	<3.200	ND	3.200	ppbv	ND	14.52	ug/m3	NC	30
1,1,2-Trichloroethane	<3.200	ND	3.200	ppbv	ND	17.46	ug/m3	NC	30
Tetrachloroethene	4.267	**4.339**	3.200	ppbv	29.43	21.70	ug/m3	2	30

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)	RPD	Lim
2-Hexanone	<3.200	ND	3.200	ppbv	ND	13.11	ug/m3	NC	30
Dibromochloromethane	<3.200	ND	3.200	ppbv	ND	27.26	ug/m3	NC	30
1,2-Dibromoethane	<3.200	ND	3.200	ppbv	ND	24.59	ug/m3	NC	30
Chlorobenzene	<3.200	ND	3.200	ppbv	ND	14.73	ug/m3	NC	30
Ethylbenzene	4.821	**4.928**	3.200	ppbv	21.40	13.90	ug/m3	2	30
m,p-Xylenes	15.65	**16.04**	6.400	ppbv	69.67	27.79	ug/m3	3	30
o-Xylene	5.003	**5.183**	3.200	ppbv	22.51	13.90	ug/m3	4	30
Styrene	<3.200	ND	3.200	ppbv	ND	13.63	ug/m3	NC	30
Bromoform	<3.200	ND	3.200	ppbv	ND	33.08	ug/m3	NC	30
1,1,2,2-Tetrachloroethane	<3.200	ND	3.200	ppbv	ND	21.97	ug/m3	NC	30
4-Ethyltoluene	<3.200	ND	3.200	ppbv	ND	15.73	ug/m3	NC	30
1,3,5-Trimethylbenzene	<3.200	ND	3.200	ppbv	ND	15.73	ug/m3	NC	30
1,2,4-Trimethylbenzene	3.840	**3.902**	3.200	ppbv	19.18	15.73	ug/m3	2	30
1,3-Dichlorobenzene	<3.200	ND	3.200	ppbv	ND	19.24	ug/m3	NC	30
1,4-Dichlorobenzene	<3.200	ND	3.200	ppbv	ND	19.24	ug/m3	NC	30
Benzyl chloride	<8.000	ND	8.000	ppbv	ND	41.42	ug/m3	NC	30
1,2-Dichlorobenzene	<3.200	ND	3.200	ppbv	ND	19.24	ug/m3	NC	30
1,2,4-Trichlorobenzene	<8.000	ND	8.000	ppbv	ND	59.37	ug/m3	NC	30
Hexachlorobutadiene	<3.200	ND	3.200	ppbv	ND	34.13	ug/m3	NC	30
Naphthalene	<8.000	ND	8.000	ppbv	ND	41.94	ug/m3	NC	30

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	96	60-140	ug/m3

Legend

NC: Not Calculated

ND: Not Detected

RL (V): Reporting Limit

RPD: Relative Percent Difference

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Type: LCS **Dil'n Fac:** 1.000 **Prep:** METHOD

Lab ID: QC894159 **Batch#:** 255919 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 11/09/20 07:54 **Analyst:** GVO

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,4-Dioxane	10.00	11.37	ppbv	114	70-130
Propylene	10.00	10.23	ppbv	102	70-130
Freon 12	10.00	10.88	ppbv	109	70-130
Freon 114	10.00	10.94	ppbv	109	70-130
Chloromethane	10.00	11.70	ppbv	117	70-130
Vinyl Chloride	10.00	11.33	ppbv	113	70-130
1,3-Butadiene	10.00	11.63	ppbv	116	70-130
Bromomethane	10.00	11.45	ppbv	114	70-130
Chloroethane	10.00	11.58	ppbv	116	70-130
Trichlorofluoromethane	10.00	10.07	ppbv	101	70-130
1,1-Dichloroethene	10.00	9.916	ppbv	99	70-130
Freon 113	10.00	10.00	ppbv	100	70-130
Acetone	10.00	12.62	ppbv	126	70-130
Carbon Disulfide	10.00	9.654	ppbv	97	70-130
Isopropanol (IPA)	10.00	10.09	ppbv	101	70-130
Methylene Chloride	10.00	9.596	ppbv	96	70-130
trans-1,2-Dichloroethene	10.00	9.754	ppbv	98	70-130
MTBE	10.00	9.939	ppbv	99	70-130
n-Hexane	10.00	9.928	ppbv	99	70-130
1,1-Dichloroethane	10.00	9.733	ppbv	97	70-130
Vinyl Acetate	10.00	8.202	ppbv	82	70-130
cis-1,2-Dichloroethene	10.00	9.881	ppbv	99	70-130
2-Butanone	10.00	10.09	ppbv	101	70-130
Ethyl Acetate	10.00	10.17	ppbv	102	70-130
Chloroform	10.00	10.06	ppbv	101	70-130
1,1,1-Trichloroethane	10.00	9.882	ppbv	99	70-130
Cyclohexane	10.00	9.662	ppbv	97	70-130
Carbon Tetrachloride	10.00	9.976	ppbv	100	70-130
Benzene	10.00	9.737	ppbv	97	70-130
1,2-Dichloroethane	10.00	9.997	ppbv	100	70-130
n-Heptane	10.00	9.737	ppbv	97	70-130
Trichloroethene	10.00	9.844	ppbv	98	70-130
1,2-Dichloropropane	10.00	9.581	ppbv	96	70-130
Bromodichloromethane	10.00	9.999	ppbv	100	70-130
cis-1,3-Dichloropropene	10.00	9.554	ppbv	96	70-130
4-Methyl-2-Pentanone	10.00	10.96	ppbv	110	70-130
Toluene	10.00	9.891	ppbv	99	70-130
trans-1,3-Dichloropropene	10.00	9.730	ppbv	97	70-130
1,1,2-Trichloroethane	10.00	9.658	ppbv	97	70-130
Tetrachloroethene	10.00	9.979	ppbv	100	70-130
2-Hexanone	10.00	11.35	ppbv	114	70-130
Dibromochloromethane	10.00	10.22	ppbv	102	70-130

ENTHALPY ANALYTICAL

Volatile Organics in Air: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,2-Dibromoethane	10.00	10.01	ppbv	100	70-130
Chlorobenzene	10.00	9.455	ppbv	95	70-130
Ethylbenzene	10.00	9.664	ppbv	97	70-130
m,p-Xylenes	20.00	19.85	ppbv	99	70-130
o-Xylene	10.00	9.807	ppbv	98	70-130
Styrene	10.00	9.687	ppbv	97	70-130
Bromoform	10.00	10.27	ppbv	103	70-130
1,1,2,2-Tetrachloroethane	10.00	10.10	ppbv	101	70-130
4-Ethyltoluene	10.00	10.20	ppbv	102	70-130
1,3,5-Trimethylbenzene	10.00	10.25	ppbv	103	70-130
1,2,4-Trimethylbenzene	10.00	10.22	ppbv	102	70-130
1,3-Dichlorobenzene	10.00	10.23	ppbv	102	70-130
1,4-Dichlorobenzene	10.00	10.09	ppbv	101	70-130
Benzyl chloride	10.00	9.674	ppbv	97	70-130
1,2-Dichlorobenzene	10.00	9.987	ppbv	100	70-130
1,2,4-Trichlorobenzene	10.00	10.63	ppbv	106	70-130
Hexachlorobutadiene	10.00	10.37	ppbv	104	70-130
Naphthalene	10.00	10.82	ppbv	108	70-130

Surrogate	%REC	Limits
Bromofluorobenzene	97	60-140

Legend

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Reformed Gases by GC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-17-SV **Diln Fac:** 2.000 **Analyzed:** 11/04/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-001 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**8.6**	0.20	mol %

Field ID: RB-15-SV **Diln Fac:** 2.000 **Analyzed:** 11/04/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-002 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**12**	0.20	mol %

Field ID: RB-14-SV **Diln Fac:** 2.000 **Analyzed:** 11/04/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-003 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**14**	0.20	mol %

Field ID: RB-13-SV **Diln Fac:** 2.000 **Analyzed:** 11/04/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-004 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**2.6**	0.20	mol %

Field ID: RB-12-SV **Diln Fac:** 2.000 **Analyzed:** 11/04/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-005 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	ND	0.20	mol %

ENTHALPY ANALYTICAL

Reformed Gases by GC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-11-SV **Diln Fac:** 2.000 **Analyzed:** 11/04/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-006 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**12**	0.20	mol %

Field ID: RB-16-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-007 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**3.1**	0.20	mol %

Field ID: RB-20-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20
Type: SAMPLE **Batch#:** 255815 **Prep:** METHOD
Lab ID: 435764-008 **Sampled:** 11/03/20 **Analysis:** ASTM D1946
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.20	mol %
Oxygen	**8.8**	0.20	mol %

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD
Lab ID: QC893865 **Batch#:** 255815 **Analysis:** ASTM D1946
Matrix: Air **Analyzed:** 11/04/20 **Analyst:** GSG

Analyte	Result	RL	Units
Helium	ND	0.10	mol %
Oxygen	ND	0.10	mol %

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Reformed Gases by GC: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	ZZZZZZZZZZ	**Diln Fac:**	1.500	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	255815	**Analysis:**	ASTM D1946
MSS Lab ID:	435699-001	**Sampled:**	10/29/20	**Analyst:**	GSG
Lab ID:	QC893863	**Received:**	10/30/20		
Matrix:	Air	**Analyzed:**	11/05/20		

Analyte	MSS Result	Result	RL	Units	RPD	Lim
Helium	0.2000	**0.2000**	0.1500	mol %	0	20
Oxygen	6.320	**6.340**	0.1500	mol %	0	20

Legend

RL: Reporting Limit

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Reformed Gases by GC: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID:	RB-17-SV	**Diln Fac:**	2.000	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	255815	**Analysis:**	ASTM D1946
MSS Lab ID:	435764-001	**Sampled:**	11/03/20	**Analyst:**	GSG
Lab ID:	QC893864	**Received:**	11/02/20		
Matrix:	Air	**Analyzed:**	11/04/20		

Analyte	MSS Result	Result	RL	Units	RPD	Lim
Helium	<0.2000	<0.2000	0.2000	mol %	NC	20
Oxygen	8.550	**8.550**	0.2000	mol %	0	20

Legend

NC: Not Calculated

RL: Reporting Limit

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-17-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 13:48
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-001 **Sampled:** 11/03/20 14:49 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**1.7**	0.050	ppmv	6.8	0.20	mg/m3

Field ID: RB-15-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 14:16
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-002 **Sampled:** 11/03/20 14:12 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.60**	0.050	ppmv	2.5	0.20	mg/m3

Field ID: RB-14-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 14:44
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-003 **Sampled:** 11/03/20 12:44 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.24**	0.050	ppmv	0.97	0.20	mg/m3

Field ID: RB-13-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 15:12
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-004 **Sampled:** 11/03/20 11:56 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.41**	0.050	ppmv	1.7	0.20	mg/m3

Field ID: RB-12-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 21:19
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-005 **Sampled:** 11/03/20 10:50 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**10**	0.050	ppmv	42	0.20	mg/m3

Field ID: RB-11-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 16:10
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-006 **Sampled:** 11/03/20 09:37 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**9.5**	0.050	ppmv	39	0.20	mg/m3

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Field ID: RB-16-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 16:38
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-007 **Sampled:** 11/03/20 15:36 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.36**	0.050	ppmv	1.5	0.20	mg/m3

Field ID: RB-20-SV **Diln Fac:** 2.000 **Analyzed:** 11/05/20 17:06
Type: SAMPLE **Batch#:** 255733 **Prep:**
Lab ID: 435764-008 **Sampled:** 11/03/20 16:00 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 11/02/20 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.94**	0.050	ppmv	3.8	0.20	mg/m3

Type: BLANK **Diln Fac:** 1.000 **Prep:**
Lab ID: QC893619 **Batch#:** 255733 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 11/05/20 12:53 **Analyst:** GSG

Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	ND	0.025	ppmv	ND	0.10	mg/m3

Legend
ND: Not Detected
RL (V): Reporting Limit
Result (M): Result in mass units
Result (V): Result in volume units

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M: Batch QC

Lab #: 435764 **Project#:** 2965.0014S000

Client: Roux Associates **Location:** 2400-2440 Camino Ramon

Type: BS **Dil'n Fac:** 1.000 **Prep:**

Lab ID: QC893617 **Batch#:** 255733 **Analysis:** EPA TO-3M

Matrix: Air **Analyzed:** 11/05/20 11:22 **Analyst:** GSG

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
TPH Gasoline	2.500	2.269	ppmv	91	70-130

Type: BSD **Dil'n Fac:** 1.000 **Prep:**

Lab ID: QC893618 **Batch#:** 255733 **Analysis:** EPA TO-3M

Matrix: Air **Analyzed:** 11/05/20 11:50 **Analyst:** GSG

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
TPH Gasoline	2.500	2.326	ppmv	93	70-130	2	25

Legend

RPD: Relative Percent Difference

Result (V): Result in volume units

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12/31/2020
Mr. Wayne Hung
Roux Associates
555 12th St.
Suite 250
Oakland CA 94607

Project Name: 2400-2440 Camino Ramon
Project #: 2965.0014S000
Workorder #: 2012601A

Dear Mr. Wayne Hung

The following report includes the data for the above referenced project for sample(s) received on 12/23/2020 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by 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 Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White

Project Manager

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WORK ORDER #: 2012601A

Work Order Summary

CLIENT:	Mr. Wayne Hung Roux Associates 555 12th St. Suite 250 Oakland, CA 94607	**BILL TO:**	Accounts Payable Roux Associates 209 Shafter Street Islandia, NY 11749
PHONE:	415-967-6000	**P.O. #**	
FAX:		**PROJECT #**	2965.0014S000 2400-2440 Camino Ramon
DATE RECEIVED:	12/23/2020	**CONTACT:**	Jade White
DATE COMPLETED:	12/31/2020		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	RB-25-5	TO-15	3.7 "Hg	15.7 psi
02A	RB-26-5	TO-15	3.5 "Hg	15.5 psi
03A	RB-24-15	TO-15	4.7 "Hg	15.6 psi
04A	RB-24-5	TO-15	2.6 "Hg	16.5 psi
05A	RB-23-10	TO-15	4.3 "Hg	15.7 psi
06A	RB-23-15	TO-15	6.1 "Hg	15.1 psi
07A	RB-23-5	TO-15	4.5 "Hg	15.6 psi
08A	RB-22-15	TO-15	4.5 "Hg	15.4 psi
09A	RB-22-10	TO-15	4.1 "Hg	15.5 psi
10A	RB-22-5	TO-15	4.3 "Hg	15.4 psi
11A	RB-21-13	TO-15	4.1 "Hg	15.6 psi
12A	RB-21-10	TO-15	3.7 "Hg	15.2 psi
13A	Lab Blank	TO-15	NA	NA
14A	CCV	TO-15	NA	NA
15A	LCS	TO-15	NA	NA
15AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 12/31/20

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
EPA Method TO-15
Roux Associates
Workorder# 2012601A

Twelve 1 Liter Summa Canister samples were received on December 23, 2020. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

According to the Chain of Custody (COC), sample RB-21-10 was collected on 12/18/20. However, the date on the sample tag reflects a collection date of 12/08/20. Therefore the date on the COC was used to calculate the sample holding time.

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.

Definition of Data Qualifying Flags

Ten 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.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

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

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

Client Sample ID: RB-25-5

Lab ID#: 2012601A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2,2,4-Trimethylpentane	1.2	1.5	5.5	7.0
m,p-Xylene	1.2	1.4	5.1	6.0
TPH ref. to Gasoline (MW=100)	120	160	480	650

Client Sample ID: RB-26-5

Lab ID#: 2012601A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Propanol	4.6	6.9	11	17
Hexane	1.2	24	4.1	86
Cyclohexane	1.2	3.8	4.0	13
2,2,4-Trimethylpentane	1.2	27	5.4	130
Benzene	1.2	4.7	3.7	15
Heptane	1.2	7.1	4.8	29
Toluene	1.2	8.7	4.4	33
TPH ref. to Gasoline (MW=100)	120	460	470	1900

Client Sample ID: RB-24-15

Lab ID#: 2012601A-03A

No Detections Were Found.

Client Sample ID: RB-24-5

Lab ID#: 2012601A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	12	440	22	820
2-Propanol	4.6	34	11	83

Client Sample ID: RB-23-10

Lab ID#: 2012601A-05A

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

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

Client Sample ID: RB-23-10

Lab ID#: 2012601A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	12	16	29	39
2-Butanone (Methyl Ethyl Ketone)	4.8	20	14	58
Toluene	1.2	38	4.5	140
m,p-Xylene	1.2	1.5	5.2	6.4
TPH ref. to Gasoline (MW=100)	120	360	490	1500

Client Sample ID: RB-23-15

Lab ID#: 2012601A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	13	100	24	200
2-Propanol	5.1	14	12	34
Toluene	1.3	3.6	4.8	14
TPH ref. to Gasoline (MW=100)	130	140	520	570

Client Sample ID: RB-23-5

Lab ID#: 2012601A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Propanol	4.8	9.4	12	23
Toluene	1.2	2.3	4.6	8.7

Client Sample ID: RB-22-15

Lab ID#: 2012601A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Propanol	4.8	5.1	12	12
Hexane	1.2	3.7	4.2	13
Cyclohexane	1.2	1.4	4.1	5.0
2,2,4-Trimethylpentane	1.2	3.4	5.6	16
TPH ref. to Gasoline (MW=100)	120	230	490	940

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

Client Sample ID: RB-22-10

Lab ID#: 2012601A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Hexane	1.2	1.4	4.2	5.1
2-Butanone (Methyl Ethyl Ketone)	4.8	6.2	14	18
2,2,4-Trimethylpentane	1.2	3.0	5.6	14
Benzene	1.2	1.9	3.8	6.2
Heptane	1.2	2.1	4.9	8.5
Toluene	1.2	17	4.5	65
TPH ref. to Gasoline (MW=100)	120	300	490	1200

Client Sample ID: RB-22-5

Lab ID#: 2012601A-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	1.2	3.0	2.6	6.6
Acetone	12	48	28	110
2-Propanol	4.8	6.8	12	17
Carbon Disulfide	4.8	29	15	89
Hexane	1.2	180	4.2	620
2-Butanone (Methyl Ethyl Ketone)	4.8	21	14	62
Cyclohexane	1.2	54	4.1	190
2,2,4-Trimethylpentane	1.2	180	5.6	860
Benzene	1.2	28	3.8	89
Heptane	1.2	56	4.9	230
Toluene	1.2	65	4.5	250
Ethyl Benzene	1.2	2.2	5.2	9.5
m,p-Xylene	1.2	4.8	5.2	21
o-Xylene	1.2	1.4	5.2	5.9
TPH ref. to Gasoline (MW=100)	120	5900	490	24000

Client Sample ID: RB-21-13

Lab ID#: 2012601A-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	12	19	28	45

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

Client Sample ID: RB-21-13

Lab ID#: 2012601A-11A

Hexane	1.2	3.5	4.2	12
2,2,4-Trimethylpentane	1.2	6.5	5.6	30
Benzene	1.2	3.2	3.8	10
Heptane	1.2	3.0	4.9	12
Toluene	1.2	4.1	4.5	15
m,p-Xylene	1.2	2.1	5.2	8.9
TPH ref. to Gasoline (MW=100)	120	460	490	1900

Client Sample ID: RB-21-10

Lab ID#: 2012601A-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
2-Propanol	4.6	6.3	11	16
Hexane	1.2	2.8	4.1	10
2,2,4-Trimethylpentane	1.2	8.2	5.4	38
Benzene	1.2	1.7	3.7	5.5
Heptane	1.2	2.3	4.8	9.4
Toluene	1.2	1.3	4.4	4.8
TPH ref. to Gasoline (MW=100)	120	360	470	1500

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Client Sample ID: RB-25-5

Lab ID#: 2012601A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122926**	**Date of Collection:**	**12/21/20 6:38:00 PM**
Dil. Factor:	**2.36**	**Date of Analysis:**	**12/30/20 01:10 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.2	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	46	Not Detected
Chloroethane	4.7	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.6	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	9.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	12	Not Detected	28	Not Detected
2-Propanol	4.7	Not Detected	12	Not Detected
Carbon Disulfide	4.7	Not Detected	15	Not Detected
3-Chloropropene	4.7	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	41	Not Detected
Methyl tert-butyl ether	4.7	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.7	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.4	Not Detected
2,2,4-Trimethylpentane	1.2	1.5	5.5	7.0
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.9	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	Not Detected	8.0	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected

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Client Sample ID: RB-25-5

Lab ID#: 2012601A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122926**	**Date of Collection: 12/21/20 6:38:00 PM**	
Dil. Factor:	**2.36**	**Date of Analysis: 12/30/20 01:10 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.1	Not Detected
m,p-Xylene	1.2	1.4	5.1	6.0
o-Xylene	1.2	Not Detected	5.1	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.1	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.1	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	35	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected
TPH ref. to Gasoline (MW=100)	120	160	480	650

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: RB-26-5

Lab ID#: 2012601A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122916**	**Date of Collection:**	**12/21/20 5:30:00 PM**
Dil. Factor:	**2.32**	**Date of Analysis:**	**12/29/20 05:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.7	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	45	Not Detected
Chloroethane	4.6	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	Not Detected	28	Not Detected
2-Propanol	4.6	6.9	11	17
Carbon Disulfide	4.6	Not Detected	14	Not Detected
3-Chloropropene	4.6	Not Detected	14	Not Detected
Methylene Chloride	12	Not Detected	40	Not Detected
Methyl tert-butyl ether	4.6	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	24	4.1	86
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Cyclohexane	1.2	3.8	4.0	13
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	27	5.4	130
Benzene	1.2	4.7	3.7	15
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	7.1	4.8	29
Trichloroethene	1.2	Not Detected	6.2	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.6	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	8.7	4.4	33
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
2-Hexanone	4.6	Not Detected	19	Not Detected

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Client Sample ID: RB-26-5

Lab ID#: 2012601A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122916**	**Date of Collection: 12/21/20 5:30:00 PM**	
Dil. Factor:	**2.32**	**Date of Analysis: 12/29/20 05:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	8.9	Not Detected
Chlorobenzene	1.2	Not Detected	5.3	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	4.9	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.6	Not Detected	34	Not Detected
Hexachlorobutadiene	4.6	Not Detected	49	Not Detected
TPH ref. to Gasoline (MW=100)	120	460	470	1900

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: RB-24-15

Lab ID#: 2012601A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122917**	**Date of Collection:**	**12/21/20 3:44:00 PM**
Dil. Factor:	**2.44**	**Date of Analysis:**	**12/29/20 06:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.5	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.9	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	12	Not Detected	23	Not Detected
Freon 113	1.2	Not Detected	9.4	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	Not Detected	29	Not Detected
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	4.9	Not Detected	15	Not Detected
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	4.9	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.9	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.7	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.7	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.2	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.3	Not Detected
2-Hexanone	4.9	Not Detected	20	Not Detected

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Client Sample ID: RB-24-15

Lab ID#: 2012601A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122917**	**Date of Collection: 12/21/20 3:44:00 PM**	
Dil. Factor:	**2.44**	**Date of Analysis: 12/29/20 06:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.4	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.3	Not Detected
m,p-Xylene	1.2	Not Detected	5.3	Not Detected
o-Xylene	1.2	Not Detected	5.3	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.0	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.4	Not Detected
Propylbenzene	1.2	Not Detected	6.0	Not Detected
4-Ethyltoluene	1.2	Not Detected	6.0	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.0	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.0	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	36	Not Detected
Hexachlorobutadiene	4.9	Not Detected	52	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	500	Not Detected

Container Type: 1 Liter Summa Canister

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

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Client Sample ID: RB-24-5

Lab ID#: 2012601A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122920**	**Date of Collection:**	**12/21/20 3:13:00 PM**
Dil. Factor:	**2.32**	**Date of Analysis:**	**12/29/20 10:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.7	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	45	Not Detected
Chloroethane	4.6	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	12	440	22	820
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	Not Detected	28	Not Detected
2-Propanol	4.6	34	11	83
Carbon Disulfide	4.6	Not Detected	14	Not Detected
3-Chloropropene	4.6	Not Detected	14	Not Detected
Methylene Chloride	12	Not Detected	40	Not Detected
Methyl tert-butyl ether	4.6	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.2	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.6	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
2-Hexanone	4.6	Not Detected	19	Not Detected

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Client Sample ID: RB-24-5

Lab ID#: 2012601A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122920**	**Date of Collection: 12/21/20 3:13:00 PM**	
Dil. Factor:	**2.32**	**Date of Analysis: 12/29/20 10:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	8.9	Not Detected
Chlorobenzene	1.2	Not Detected	5.3	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	4.9	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.6	Not Detected	34	Not Detected
Hexachlorobutadiene	4.6	Not Detected	49	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	470	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: RB-23-10

Lab ID#: 2012601A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122921**	**Date of Collection: 12/21/20 1:46:00 PM**	
Dil. Factor:	**2.41**	**Date of Analysis: 12/29/20 10:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	12	Not Detected	23	Not Detected
Freon 113	1.2	Not Detected	9.2	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	16	29	39
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	20	14	58
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	38	4.5	140
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: RB-23-10

Lab ID#: 2012601A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122921**	**Date of Collection: 12/21/20 1:46:00 PM**	
Dil. Factor:	**2.41**	**Date of Analysis: 12/29/20 10:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.2	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	1.5	5.2	6.4
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
TPH ref. to Gasoline (MW=100)	120	360	490	1500

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: RB-23-15

Lab ID#: 2012601A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122922**	**Date of Collection: 12/21/20 1:06:00 PM**	
Dil. Factor:	**2.54**	**Date of Analysis: 12/29/20 11:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	Not Detected	6.3	Not Detected
Freon 114	1.3	Not Detected	8.9	Not Detected
Chloromethane	13	Not Detected	26	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	13	Not Detected	49	Not Detected
Chloroethane	5.1	Not Detected	13	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	13	100	24	200
Freon 113	1.3	Not Detected	9.7	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	13	Not Detected	30	Not Detected
2-Propanol	5.1	14	12	34
Carbon Disulfide	5.1	Not Detected	16	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	13	Not Detected	44	Not Detected
Methyl tert-butyl ether	5.1	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.1	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.9	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	3.6	4.8	14
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.6	Not Detected
2-Hexanone	5.1	Not Detected	21	Not Detected

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Client Sample ID: RB-23-15

Lab ID#: 2012601A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122922**	**Date of Collection: 12/21/20 1:06:00 PM**	
Dil. Factor:	**2.54**	**Date of Analysis: 12/29/20 11:24 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.8	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.7	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.6	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected
TPH ref. to Gasoline (MW=100)	130	140	520	570

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: RB-23-5

Lab ID#: 2012601A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122923**	**Date of Collection:**	**12/21/20 12:20:00 P**
Dil. Factor:	**2.42**	**Date of Analysis:**	**12/29/20 11:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	12	Not Detected	23	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	Not Detected	29	Not Detected
2-Propanol	4.8	9.4	12	23
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	2.3	4.6	8.7
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: RB-23-5

Lab ID#: 2012601A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122923**	**Date of Collection: 12/21/20 12:20:00 P**	
Dil. Factor:	**2.42**	**Date of Analysis: 12/29/20 11:51 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected
TPH ref. to Gasoline (MW=100)	120	Not Detected	490	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: RB-22-15

Lab ID#: 2012601A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122924**	**Date of Collection: 12/21/20 11:14:00 A**	
Dil. Factor:	**2.41**	**Date of Analysis: 12/30/20 12:17 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	12	Not Detected	23	Not Detected
Freon 113	1.2	Not Detected	9.2	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	Not Detected	29	Not Detected
2-Propanol	4.8	5.1	12	12
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	3.7	4.2	13
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	1.4	4.1	5.0
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	3.4	5.6	16
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: RB-22-15

Lab ID#: 2012601A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122924**	**Date of Collection: 12/21/20 11:14:00 A**	
Dil. Factor:	**2.41**	**Date of Analysis: 12/30/20 12:17 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.2	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
TPH ref. to Gasoline (MW=100)	120	230	490	940

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: RB-22-10

Lab ID#: 2012601A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122925**	**Date of Collection: 12/21/20 10:37:00 A**	
Dil. Factor:	**2.38**	**Date of Analysis: 12/30/20 12:43 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	46	Not Detected
Chloroethane	4.8	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	12	Not Detected	28	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	41	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	1.4	4.2	5.1
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	6.2	14	18
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	3.0	5.6	14
Benzene	1.2	1.9	3.8	6.2
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	2.1	4.9	8.5
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	17	4.5	65
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected

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Client Sample ID: RB-22-10

Lab ID#: 2012601A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122925**	**Date of Collection: 12/21/20 10:37:00 A**	
Dil. Factor:	**2.38**	**Date of Analysis: 12/30/20 12:43 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
TPH ref. to Gasoline (MW=100)	120	300	490	1200

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: RB-22-5

Lab ID#: 2012601A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122930**	**Date of Collection: 12/21/20 9:55:00 AM**	
Dil. Factor:	**2.39**	**Date of Analysis: 12/30/20 07:57 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	3.0	2.6	6.6
Bromomethane	12	Not Detected	46	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	9.2	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	12	48	28	110
2-Propanol	4.8	6.8	12	17
Carbon Disulfide	4.8	29	15	89
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	180	4.2	620
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	21	14	62
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	54	4.1	190
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	180	5.6	860
Benzene	1.2	28	3.8	89
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	56	4.9	230
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	65	4.5	250
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: RB-22-5

Lab ID#: 2012601A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122930**	**Date of Collection: 12/21/20 9:55:00 AM**	
Dil. Factor:	**2.39**	**Date of Analysis: 12/30/20 07:57 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.2	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	2.2	5.2	9.5
m,p-Xylene	1.2	4.8	5.2	21
o-Xylene	1.2	1.4	5.2	5.9
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
TPH ref. to Gasoline (MW=100)	120	5900	490	24000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: RB-21-13

Lab ID#: 2012601A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122927**	**Date of Collection:**	**12/18/20 3:58:00 PM**
Dil. Factor:	**2.39**	**Date of Analysis:**	**12/30/20 01:36 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	46	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	9.2	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	12	19	28	45
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	4.8	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	3.5	4.2	12
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	6.5	5.6	30
Benzene	1.2	3.2	3.8	10
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	3.0	4.9	12
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	4.1	4.5	15
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: RB-21-13

Lab ID#: 2012601A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122927**	**Date of Collection: 12/18/20 3:58:00 PM**	
Dil. Factor:	**2.39**	**Date of Analysis: 12/30/20 01:36 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.2	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	2.1	5.2	8.9
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected
TPH ref. to Gasoline (MW=100)	120	460	490	1900

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: RB-21-10

Lab ID#: 2012601A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122928**	**Date of Collection: 12/18/20 3:16:00 PM**	
Dil. Factor:	**2.32**	**Date of Analysis: 12/30/20 02:03 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	5.7	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	12	Not Detected	24	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	12	Not Detected	45	Not Detected
Chloroethane	4.6	Not Detected	12	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	12	Not Detected	22	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	12	Not Detected	28	Not Detected
2-Propanol	4.6	6.3	11	16
Carbon Disulfide	4.6	Not Detected	14	Not Detected
3-Chloropropene	4.6	Not Detected	14	Not Detected
Methylene Chloride	12	Not Detected	40	Not Detected
Methyl tert-butyl ether	4.6	Not Detected	17	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	2.8	4.1	10
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.6	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	8.2	5.4	38
Benzene	1.2	1.7	3.7	5.5
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	2.3	4.8	9.4
Trichloroethene	1.2	Not Detected	6.2	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.6	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	1.3	4.4	4.8
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.3	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
2-Hexanone	4.6	Not Detected	19	Not Detected

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Client Sample ID: RB-21-10

Lab ID#: 2012601A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122928**	**Date of Collection: 12/18/20 3:16:00 PM**	
Dil. Factor:	**2.32**	**Date of Analysis: 12/30/20 02:03 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	8.9	Not Detected
Chlorobenzene	1.2	Not Detected	5.3	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	4.9	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.6	Not Detected	34	Not Detected
Hexachlorobutadiene	4.6	Not Detected	49	Not Detected
TPH ref. to Gasoline (MW=100)	120	360	470	1500

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2012601A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 12:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	5.0	Not Detected	9.4	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 2012601A-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 12:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: CCV

Lab ID#: 2012601A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122902**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 10:21 AM**

Compound	%Recovery
Freon 12	94
Freon 114	97
Chloromethane	80
Vinyl Chloride	98
1,3-Butadiene	91
Bromomethane	95
Chloroethane	95
Freon 11	94
Ethanol	95
Freon 113	94
1,1-Dichloroethene	93
Acetone	83
2-Propanol	92
Carbon Disulfide	94
3-Chloropropene	96
Methylene Chloride	96
Methyl tert-butyl ether	90
trans-1,2-Dichloroethene	96
Hexane	88
1,1-Dichloroethane	93
2-Butanone (Methyl Ethyl Ketone)	86
cis-1,2-Dichloroethene	94
Tetrahydrofuran	86
Chloroform	91
1,1,1-Trichloroethane	91
Cyclohexane	91
Carbon Tetrachloride	93
2,2,4-Trimethylpentane	94
Benzene	93
1,2-Dichloroethane	95
Heptane	94
Trichloroethene	98
1,2-Dichloropropane	93
1,4-Dioxane	85
Bromodichloromethane	94
cis-1,3-Dichloropropene	92
4-Methyl-2-pentanone	88
Toluene	91
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	93
Tetrachloroethene	101
2-Hexanone	91

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Client Sample ID: CCV

Lab ID#: 2012601A-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 10:21 AM**	

Compound	%Recovery
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	100
Chlorobenzene	98
Ethyl Benzene	99
m,p-Xylene	96
o-Xylene	98
Styrene	98
Bromoform	105
Cumene	98
1,1,2,2-Tetrachloroethane	94
Propylbenzene	99
4-Ethyltoluene	101
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	101
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	101
1,2,4-Trichlorobenzene	94
Hexachlorobutadiene	100
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCS

Lab ID#: 2012601A-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 10:46 AM**	

Compound	%Recovery	Method Limits
Freon 12	92	70-130
Freon 114	95	70-130
Chloromethane	80	70-130
Vinyl Chloride	96	70-130
1,3-Butadiene	90	70-130
Bromomethane	92	70-130
Chloroethane	95	70-130
Freon 11	93	70-130
Ethanol	80	70-130
Freon 113	93	70-130
1,1-Dichloroethene	93	70-130
Acetone	83	70-130
2-Propanol	94	70-130
Carbon Disulfide	92	70-130
3-Chloropropene	95	70-130
Methylene Chloride	91	70-130
Methyl tert-butyl ether	90	70-130
trans-1,2-Dichloroethene	93	70-130
Hexane	88	70-130
1,1-Dichloroethane	91	70-130
2-Butanone (Methyl Ethyl Ketone)	86	70-130
cis-1,2-Dichloroethene	94	70-130
Tetrahydrofuran	84	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	90	70-130
Cyclohexane	90	70-130
Carbon Tetrachloride	93	70-130
2,2,4-Trimethylpentane	92	70-130
Benzene	90	70-130
1,2-Dichloroethane	92	70-130
Heptane	90	70-130
Trichloroethene	97	70-130
1,2-Dichloropropane	91	70-130
1,4-Dioxane	82	70-130
Bromodichloromethane	91	70-130
cis-1,3-Dichloropropene	90	70-130
4-Methyl-2-pentanone	85	70-130
Toluene	88	70-130
trans-1,3-Dichloropropene	94	70-130
1,1,2-Trichloroethane	90	70-130
Tetrachloroethene	98	70-130
2-Hexanone	88	70-130

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Client Sample ID: LCS

Lab ID#: 2012601A-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 10:46 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	100	70-130
1,2-Dibromoethane (EDB)	96	70-130
Chlorobenzene	96	70-130
Ethyl Benzene	95	70-130
m,p-Xylene	94	70-130
o-Xylene	93	70-130
Styrene	96	70-130
Bromoform	102	70-130
Cumene	94	70-130
1,1,2,2-Tetrachloroethane	89	70-130
Propylbenzene	96	70-130
4-Ethyltoluene	99	70-130
1,3,5-Trimethylbenzene	95	70-130
1,2,4-Trimethylbenzene	101	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	94	70-130
1,2-Dichlorobenzene	97	70-130
1,2,4-Trichlorobenzene	105	70-130
Hexachlorobutadiene	111	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCSD

Lab ID#: 2012601A-15AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 11:11 AM**	

Compound	%Recovery	Method Limits
Freon 12	91	70-130
Freon 114	95	70-130
Chloromethane	77	70-130
Vinyl Chloride	94	70-130
1,3-Butadiene	89	70-130
Bromomethane	90	70-130
Chloroethane	92	70-130
Freon 11	91	70-130
Ethanol	82	70-130
Freon 113	92	70-130
1,1-Dichloroethene	91	70-130
Acetone	82	70-130
2-Propanol	91	70-130
Carbon Disulfide	92	70-130
3-Chloropropene	93	70-130
Methylene Chloride	91	70-130
Methyl tert-butyl ether	89	70-130
trans-1,2-Dichloroethene	94	70-130
Hexane	86	70-130
1,1-Dichloroethane	90	70-130
2-Butanone (Methyl Ethyl Ketone)	85	70-130
cis-1,2-Dichloroethene	91	70-130
Tetrahydrofuran	82	70-130
Chloroform	88	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	90	70-130
Carbon Tetrachloride	92	70-130
2,2,4-Trimethylpentane	90	70-130
Benzene	91	70-130
1,2-Dichloroethane	92	70-130
Heptane	91	70-130
Trichloroethene	97	70-130
1,2-Dichloropropane	91	70-130
1,4-Dioxane	82	70-130
Bromodichloromethane	91	70-130
cis-1,3-Dichloropropene	91	70-130
4-Methyl-2-pentanone	85	70-130
Toluene	88	70-130
trans-1,3-Dichloropropene	94	70-130
1,1,2-Trichloroethane	90	70-130
Tetrachloroethene	98	70-130
2-Hexanone	88	70-130

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Client Sample ID: LCSD

Lab ID#: 2012601A-15AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a122904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/29/20 11:11 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	100	70-130
1,2-Dibromoethane (EDB)	97	70-130
Chlorobenzene	97	70-130
Ethyl Benzene	96	70-130
m,p-Xylene	95	70-130
o-Xylene	94	70-130
Styrene	94	70-130
Bromoform	102	70-130
Cumene	94	70-130
1,1,2,2-Tetrachloroethane	88	70-130
Propylbenzene	96	70-130
4-Ethyltoluene	98	70-130
1,3,5-Trimethylbenzene	95	70-130
1,2,4-Trimethylbenzene	99	70-130
1,3-Dichlorobenzene	98	70-130
1,4-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	95	70-130
1,2-Dichlorobenzene	97	70-130
1,2,4-Trichlorobenzene	108	70-130
Hexachlorobutadiene	115	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	102	70-130

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1/2/2021
Mr. Wayne Hung
Roux Associates
555 12th St.
Suite 250
Oakland CA 94607

Project Name: 2400-2440 Camino Ramon
Project #: 2965.0014S000
Workorder #: 2012601B

Dear Mr. Wayne Hung

The following report includes the data for the above referenced project for sample(s) received on 12/23/2020 at Eurofins Air Toxics LLC.

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 Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2012601B

Work Order Summary

CLIENT:	Mr. Wayne Hung Roux Associates 555 12th St. Suite 250 Oakland, CA 94607	**BILL TO:**	Accounts Payable Roux Associates 209 Shafter Street Islandia, NY 11749
PHONE:	415-967-6000	**P.O. #**	
FAX:		**PROJECT #**	2965.0014S000 2400-2440 Camino Ramon
DATE RECEIVED:	12/23/2020	**CONTACT:**	Jade White
DATE COMPLETED:	01/02/2021		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	RB-25-5	Modified ASTM D-1946	3.7 "Hg	15.7 psi
02A	RB-26-5	Modified ASTM D-1946	3.5 "Hg	15.5 psi
03A	RB-24-15	Modified ASTM D-1946	4.7 "Hg	15.6 psi
04A	RB-24-5	Modified ASTM D-1946	2.6 "Hg	16.5 psi
05A	RB-23-10	Modified ASTM D-1946	4.3 "Hg	15.7 psi
06A	RB-23-15	Modified ASTM D-1946	6.1 "Hg	15.1 psi
07A	RB-23-5	Modified ASTM D-1946	4.5 "Hg	15.6 psi
08A	RB-22-15	Modified ASTM D-1946	4.5 "Hg	15.4 psi
09A	RB-22-10	Modified ASTM D-1946	4.1 "Hg	15.5 psi
10A	RB-22-5	Modified ASTM D-1946	4.3 "Hg	15.4 psi
11A	RB-21-13	Modified ASTM D-1946	4.1 "Hg	15.6 psi
12A	RB-21-10	Modified ASTM D-1946	3.7 "Hg	15.2 psi
13A	Lab Blank	Modified ASTM D-1946	NA	NA
13B	Lab Blank	Modified ASTM D-1946	NA	NA
13C	Lab Blank	Modified ASTM D-1946	NA	NA
13D	Lab Blank	Modified ASTM D-1946	NA	NA
14A	LCS	Modified ASTM D-1946	NA	NA
14AA	LCSD	Modified ASTM D-1946	NA	NA
14B	LCS	Modified ASTM D-1946	NA	NA
14BB	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY:  DATE: 01/02/21

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.
Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
Modified ASTM D-1946
Roux Associates
Workorder# 2012601B

Twelve 1 Liter Summa Canister samples were received on December 23, 2020. The laboratory performed analysis via Modified ASTM Method D-1946 for fixed gases in air using 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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL 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 minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
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

According to the Chain of Custody (COC), sample RB-21-10 was collected on 12/18/20. However, the date on the sample tag reflects a collection date of 12/08/20. Therefore the date on the COC was

used to calculate the sample holding time.

Analytical Notes

There were no analytical discrepancies.

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

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: RB-25-5

Lab ID#: 2012601B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	3.2

Client Sample ID: RB-26-5

Lab ID#: 2012601B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	10

Client Sample ID: RB-24-15

Lab ID#: 2012601B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	10

Client Sample ID: RB-24-5

Lab ID#: 2012601B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	17

Client Sample ID: RB-23-10

Lab ID#: 2012601B-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	8.9

Client Sample ID: RB-23-15

Lab ID#: 2012601B-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	9.4

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: RB-23-5

Lab ID#: 2012601B-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	10

Client Sample ID: RB-22-15

Lab ID#: 2012601B-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	4.7

Client Sample ID: RB-22-10

Lab ID#: 2012601B-09A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	4.6

Client Sample ID: RB-22-5

Lab ID#: 2012601B-10A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.9

Client Sample ID: RB-21-13

Lab ID#: 2012601B-11A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	12

Client Sample ID: RB-21-10

Lab ID#: 2012601B-12A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	14

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Client Sample ID: RB-25-5

Lab ID#: 2012601B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122814b**	**Date of Collection: 12/21/20 6:38:00 PM**	
Dil. Factor:	**2.36**	**Date of Analysis: 12/28/20 03:08 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	3.2
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-26-5

Lab ID#: 2012601B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122815b**	**Date of Collection: 12/21/20 5:30:00 PM**	
Dil. Factor:	**2.32**	**Date of Analysis: 12/28/20 03:31 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	10
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: RB-24-15

Lab ID#: 2012601B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122816b**	**Date of Collection: 12/21/20 3:44:00 PM**	
Dil. Factor:	**2.44**	**Date of Analysis: 12/28/20 03:52 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	10
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-24-5

Lab ID#: 2012601B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122817b**	**Date of Collection: 12/21/20 3:13:00 PM**	
Dil. Factor:	**2.33**	**Date of Analysis: 12/28/20 04:16 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	17
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-23-10

Lab ID#: 2012601B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122818b**	**Date of Collection: 12/21/20 1:46:00 PM**	
Dil. Factor:	**2.41**	**Date of Analysis: 12/28/20 04:37 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	8.9
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-23-15

Lab ID#: 2012601B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122819b**	**Date of Collection: 12/21/20 1:06:00 PM**	
Dil. Factor:	**2.55**	**Date of Analysis: 12/28/20 04:59 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	9.4
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: RB-23-5

Lab ID#: 2012601B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122820b**	**Date of Collection: 12/21/20 12:20:00 P**	
Dil. Factor:	**2.42**	**Date of Analysis: 12/28/20 05:21 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	10
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: RB-22-15

Lab ID#: 2012601B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122821b**	**Date of Collection: 12/21/20 11:14:00 A**	
Dil. Factor:	**2.41**	**Date of Analysis: 12/28/20 05:44 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	4.7
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-22-10

Lab ID#: 2012601B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122822b**	**Date of Collection: 12/21/20 10:37:00 A**	
Dil. Factor:	**2.38**	**Date of Analysis: 12/28/20 06:05 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	4.6
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-22-5

Lab ID#: 2012601B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122824b**	**Date of Collection: 12/21/20 9:55:00 AM**	
Dil. Factor:	**2.39**	**Date of Analysis: 12/28/20 06:54 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	6.9
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: RB-21-13

Lab ID#: 2012601B-11A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122825b**	**Date of Collection: 12/18/20 3:58:00 PM**	
Dil. Factor:	**2.38**	**Date of Analysis: 12/28/20 07:17 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.24	12
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: RB-21-10

Lab ID#: 2012601B-12A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122911b**	**Date of Collection: 12/18/20 3:16:00 PM**	
Dil. Factor:	**2.32**	**Date of Analysis: 12/29/20 09:48 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	14
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2012601B-13A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122805b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 10:14 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2012601B-13B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122804c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 09:29 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2012601B-13C

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122906b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 10:58 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2012601B-13D

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122905c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 10:34 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2012601B-14A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122802b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 08:31 AM**	

Compound	%Recovery	Method Limits
Oxygen	98	85-115
Helium	96	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2012601B-14AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122828b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 08:30 PM**	

Compound	%Recovery	Method Limits
Oxygen	99	85-115
Helium	99	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2012601B-14B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122902b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 09:20 PM**	

Compound	%Recovery	Method Limits
Oxygen	98	85-115
Helium	99	85-115

Container Type: NA - Not Applicable

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2012601B-14BB

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**10122903b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/28/20 09:42 PM**	

Compound	%Recovery	Method Limits
Oxygen	99	85-115
Helium	100	85-115

Container Type: NA - Not Applicable

APPENDIX C

Boring Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

555 12th Street
Suite 250
Oakland, CA 94607
Telephone: (415) 967-6000
Fax: (415) 967-6001

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RB-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2965.0014S000 / 2400-2440 Camino Ramon		**2400-2440 Camino Ramon**		
APPROVED BY	LOGGED BY	**San Ramon, CA**		
A. Cutting	**J. Aguayo**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
695970 / Environmental Control Associates Drilling				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
	2.25 inches	**Hand Auger**	**Cuttings**	**9/16/20**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Sample ID	PID Values (ppm)	REMARKS
		SILT (ML) with clay, minor gravel: Dark brown; soft; dry; low plasticity; fine to medium, subangular sand; subangular gravel.			Boring advanced in sloped planter adjacent to the parking lot. Sample depths are relative to the parking lot ground surface which is at 1 feet bgs at this location.
1		At 1 foot bgs: Gravely, minor sand and clay; light grey brown; nonplastic; fine to medium, subrounded sand; subrounded gravel.			1
		At 1.5 feet bgs: Clayey, minor gravel; Yellow brown; low plasticity; fine to medium, subangular sand; subangular gravel.			
2			RB-1-1	45	2
3				46	3
4			RB-1-3	30	4
5				22	5
6			RB-1-5	38	6
		End of boring at 6 feet bgs.			

BORING/FEET SUMMERHILL CAMINO RAMON BORING LOGS.GPJ ROUX.GDT 9/23/20

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

555 12th Street
Suite 250
Oakland, CA 94607
Telephone: (415) 967-6000
Fax: (415) 967-6001

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RB-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2965.0014S000 / 2400-2440 Camino Ramon		**2400-2440 Camino Ramon**		
APPROVED BY	LOGGED BY	**San Ramon, CA**		
A. Cutting	**J. Aguayo**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
695970 / Environmental Control Associates Drilling				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
	2.25 inches	**Hand Auger**	**Cuttings**	**9/16/20**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Sample ID	PID Values (ppm)	REMARKS
		SILT (ML) with clay, minor gravel: Yellow brown; soft; dry; low plasticity; fine to medium, angular sand; angular gravel.			Boring advanced in sloped planter adjacent to the parking lot. Sample depths are relative to the parking lot ground surface which is at 1 foot bgs at this location.
1		At 1 foot bgs: Yellow brown.			1
2			RB-4-1	2.6	2
3				2.7	3
4		At 4 feet bgs: Clayey with gravel, minor sand; dark brown.	RB-4-3	3	4
5				2.2	5
6			RB-4-5	6.3	6
		End of boring at 6 feet bgs.			

BORING/FEET SUMMERHILL CAMINO RAMON BORING LOGS.GPJ ROUX.GDT 9/23/20

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

555 12th Street
Suite 250
Oakland, CA 94607
Telephone: (415) 967-6000
Fax: (415) 967-6001

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RB-10	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2965.0014S000 / 2400-2440 Camino Ramon		**2400-2440 Camino Ramon**		
APPROVED BY	LOGGED BY	**San Ramon, CA**		
A. Cutting	**J. Aguayo**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
695970 / Environmental Control Associates Drilling				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
	2.25 inches	**Hand Auger**	**Cuttings**	**9/16/20**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Sample ID	PID Values (ppm)	REMARKS
		SILT (ML) with clay, minor gravel: Dark brown; soft; dry; low plasticity; well graded; fine to medium, subangular sand; subangular gravel.			Boring advanced in sloped planter adjacent to the parking lot. Sample depths are relative to the parking lot ground surface which is at 1 feet bgs at this location.
1		At 1 foot bgs: Clayey, minor gravel; brown; fine to medium, subrounded sand; subrounded gravel.			1
2		At 2 feet bgs: Yellow brown.	RB-10-1	42	2
3				25	3
4			RB-10-3	17	4
5		At 5 feet bgs: Gravely, minor sand; nonplastic; fine to medium, subangular sand; subangular gravel.		17.5	5
6				16.2	6
		End of boring at 6 feet bgs.			

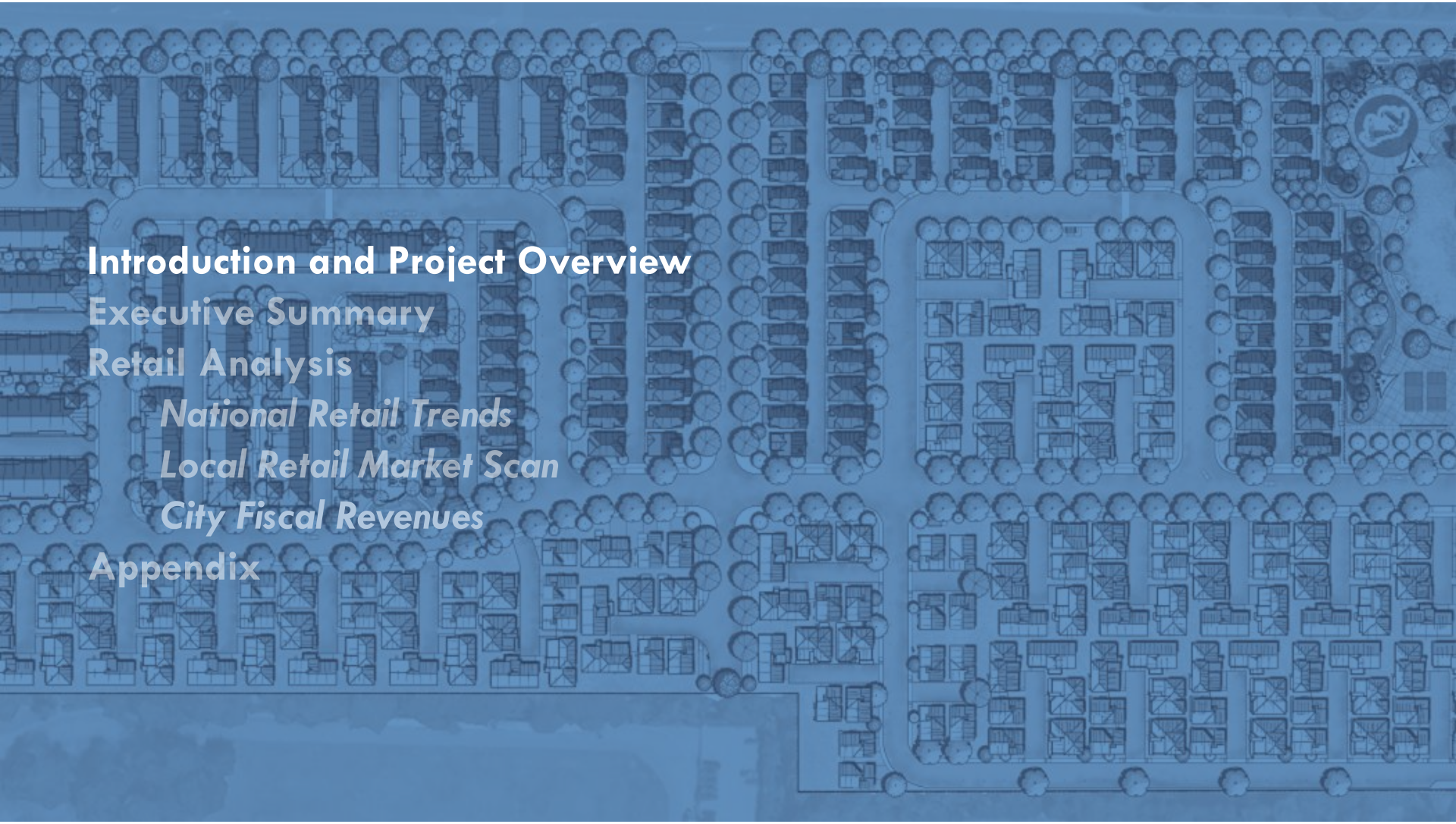
BORING/FEET SUMMERHILL CAMINO RAMON BORING LOGS.GPJ ROUX.GDT 9/23/20

CITY VILLAGE (BISHOP RANCH 6) RETAIL ANALYSIS

HR&A Analyze. Advise. Act.

SUMMERHILL HOMES℠
COMMUNITIES OF DISTINCTION

SUMMARY OF RESULTS
MAY 17, 2021



INTRODUCTION

STUDY PURPOSE

SummerHill Homes ("SummerHill" or the "Company") is planning a **404-unit market rate and affordable for-sale residential development called City Village within the Bishop Ranch 6 subarea** (the "Project") of the City of San Ramon (the "City" or "San Ramon"). The Project, which is scheduled to begin construction in late 2023, **does not include the 97,000 square feet of retail uses** as originally specified for the site in the North Camino Ramon Specific Plan ("NCRSP").

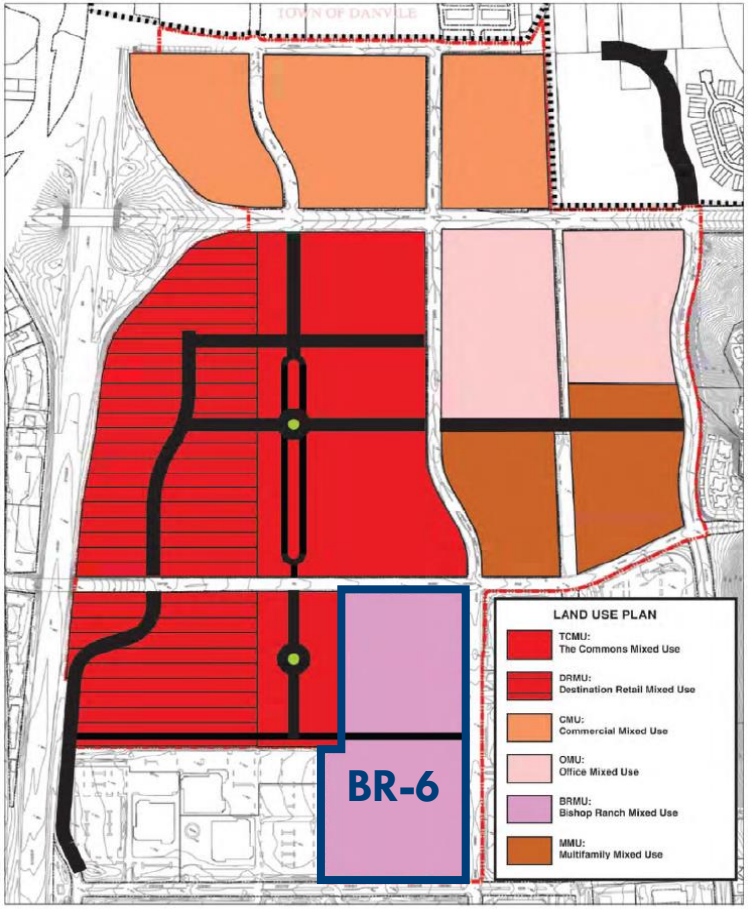
This briefing book reports analysis, prepared by HR&A Advisors, Inc., evaluates the viability of new retail at the Project site and compares the City revenues generated by the Project without and with a hypothetical retail component.

WHO WE ARE

HR&A Advisors, Inc. (HR&A) is an industry-leading real estate, economic development and public policy consulting firm.

For 45 years we have provided a full range of pre-construction real estate advisory services, including market analysis, financial feasibility analysis, economic and fiscal impact analysis, and structuring of public-private financing agreements for some of the most complex mixed-use, neighborhood, downtown, campus, and regional development projects across North America and abroad, including Bishop Ranch developments. We understand the importance of linking private investment with public resources to support investor and community responsibilities and aspirations.

NORTH CAMINO RAMON SPECIFIC PLAN | City Village is wholly within the BR-6 parcel of the NCRSP, which calls for mixed use development with residential units and neighborhood-serving retail. To satisfy EIR requirements, staff created a hypothetical residential and retail program for the Site.



Source: North Camino Ramon Specific Plan and EIR

NCRSP BR-6 HYPOTHETICAL PROGRAM

350

Total Residential Units

97,000

Square Feet of Retail[1]

BRMU LAND USE DESCRIPTON

Both vertical and horizontal land use configurations can be considered with an emphasis placed on the support for the daytime population of Bishop Ranch, adding housing opportunities for employees of Bishop Ranch, enhancing the pedestrian character of Camino Ramon streetscape and connectivity between the Plan's commercial core and City Center project. (page 4-6)

[1]NCRSP EIR Traffic Study Appendix (not based on market supportable demand)

2017 BAE STUDY | BAE studied the retail landscape as part of an update to the City's General Plan Economic Element and Economic Development Strategic Plan. The study suggested the Project site's location was not ideal for retail uses.

RELEVANT BAE STUDY OBJECTIVES

- Strengthen the Role of Central Bollinger Canyon Road as the City's Premier Retail Corridor
- Foster a commodity retail corridor on East Crow Canyon Road

BAE RECOMMENDATIONS

- Encourage complementary uses around the Center City retail development to support its retail success
- Focus residential uses toward the interior portions of the NCRSP which are away from the main retail corridors

Source: BAE Retail Analysis Report (2017)

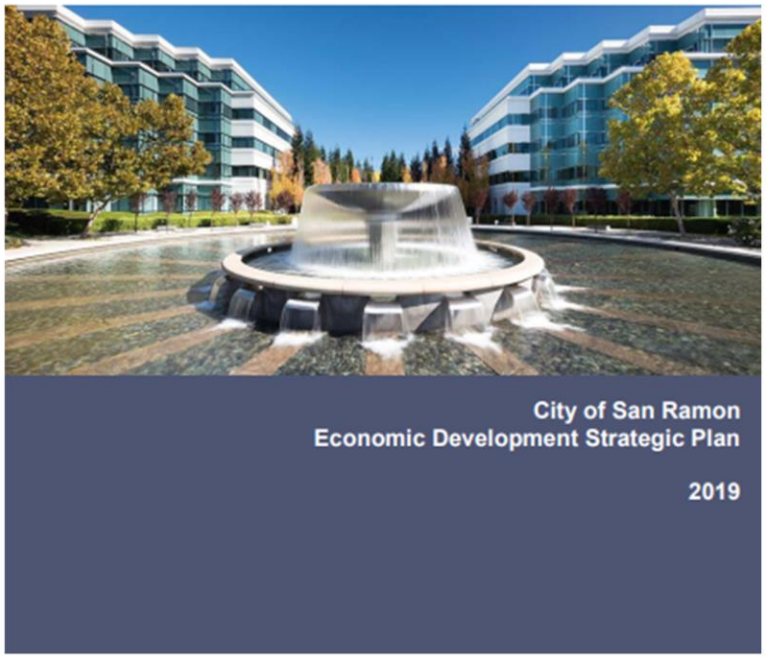
2019 ECONOMIC DEVELOPMENT STATEGIC PLAN | The Economic Development Strategic Plan favors retail in high-traffic locations to expand retail offerings and increase sales tax revenues. The Project site does not meet this criterion.

KEY PLAN GOALS

- Maintain and Expand Existing Firms and Attract New Employers to San Ramon
- Maintain and Strengthen San Ramon's Fiscal Vitality

RELEVANT STRATEGIES

- Continue to improve and expand upon the City's retail base…at City Center and other high-traffic locations (pg. 2)
- Provide adequate land use designations…emphasizing new retail along high-traffic corridors such as Crow Canyon and Bollinger Canyon roads [which] will better match what retailers and retail developers seek as locations (pg. 3)



Source: Economic Development Strategic Plan (2019)

CITY VILLAGE (BISHOP RANCH 6) MASTER PLAN | SummerHill's proposed Project will exclusively consist of 404 mixed-price residential units with construction to occur in phases between 2023 and 2028.

Source: SummerHill Homes

DEVELOPMENT PROGRAM

404

Total Residential Units

154

Detached Single-Family Dwellings

114

Detached Row Homes

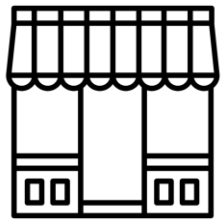
136

Attached Townhomes

(15% affordable to very low-, low- and moderate-income households)

STUDY STRUCTURE | This report evaluates national and local retail trends and explores the potential revenue impact to the City should the Project forego a retail component as proposed by the NCRSP.

NATIONAL RETAIL TRENDS



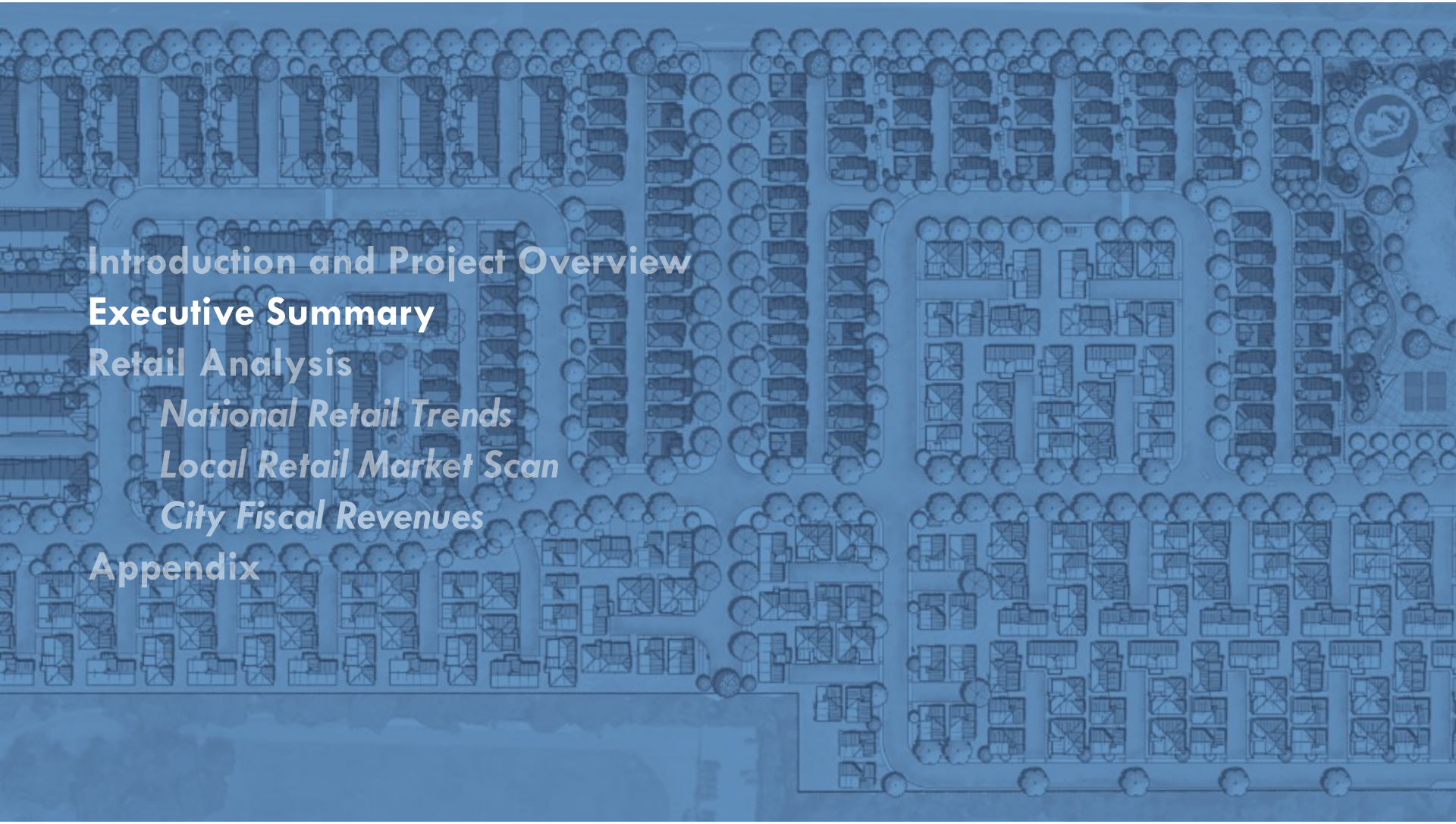
This analysis reviews existing and emerging trends in retail nationally, including the effects of the on-going COVID-19 pandemic and its potential impacts on the future of retail.

LOCAL RETAIL CONTEXT

This analysis looks at local retail composition and performance to understand how both national trends and local factors might influence future retail needs within the City and around the Project site.

FISCAL REVENUES

This analysis quantifies the difference in the Project's local tax revenues without and with a 97,000 square foot retail component. The market findings from the other two analyses help qualify conclusions.



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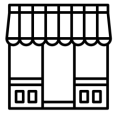
EXECUTIVE SUMMARY | The Project site is not suitable for retail development given its location and a soft retail market. While a retail program could theoretically create $0.5 million in annual revenues to the City's General Fund, much of this is likely to come at the expense of other revenue sources from the Project and existing retailers.



NATIONAL RETAIL TRENDS

The national retail sector is undergoing profound change as businesses face changing consumer behaviors and preferences and the emergence of new business models driven by technological change.

Businesses less susceptible to online competition, including food & beverage and experiential retail, and **locations** with a high concentration of retail **with modern, flexible spaces are most likely to succeed** in this new retail landscape.

LOCAL CONTEXT

The San Ramon retail market is soft, with vacancies increasing even prior to the pandemic. **Additional retail is likely to cannibalize the existing consumer sales base.**

The Project site is not ideal for retail development because it is located away from major arterials and within a short drive to many existing retail centers. New retail at this location would either suffer from existing competition or weaken the viability of existing retail.

FISCAL REVENUES

If tenants can be found, a 97,000 SF retail program at the Project site could **potentially generate $0.45 million in annual revenues** to San Ramon's General Fund.

Project area devoted to new retail **would reduce new dwelling units and their tax revenues,** and **lower retail sales derived from other retailers in the City.** Further, without approval of the 4th Amendment to the Bishop Ranch tax sharing agreement, any new retail sales at the Project site would reduce Project property tax revenue to the City.

OVERVIEW | Retail is in transition nationally and locally with countless store closures as consumer habits change and business models are upended. HR&A has identified four prominent national retail trends, all of which have been magnified by the COVID-19 pandemic. These are detailed on the subsequent pages.

REAL ESTATE • COMMERCIAL REAL ESTATE

UBS sees another 80,000 U.S. stores closing by 2026

BY **PHIL WAHBA**

April 5, 2021 12:07 PM PDT

The Economist

The retail renaissance

The future of shopping

SPECIAL REPORTS · MAR 13TH 2021

Not since the Industrial Revolution has shopping been in such upheaval, writes Henry Tricks

- The future of shopping: The return of one-to-one commerce
- The marketplace: E-commerce profits may become harder to make
- The merchants: The rise of the rebel brands
- The travelling salesmen: Independent retailers may choose multiple sales channels
- The food stall: The importance of "omnichannel" strategies
- Mass craftsmanship: How to know what customers want
- People: Shop assistants and the retail renaissance
- The future: Welcome to democratised retail

McKinsey & Company

Future of retail operations: Winning in a digital era

This compendium explores the breadth of change and risk throughout the modern retail industry.

January 2020

BUSINESS

Retailers like Pier 1, Papyrus and Express are closing 1,000 stores. That's just the beginning.

By LAUREN ZUMBACH and CORILYN SHROPSHIRE

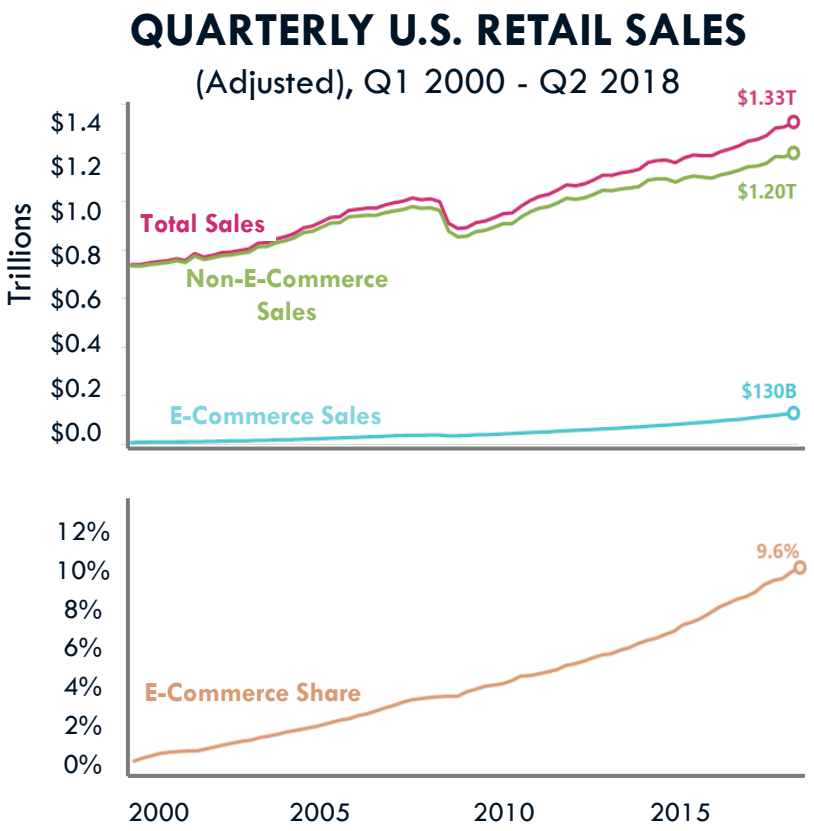
CHICAGO TRIBUNE | JAN 31, 2020 AT 1:37 PM

Source: Fortune.com, The Economist, McKinsey & Company, The Chicago Tribune

National Trend #1 | E-Commerce is growing but is limited to certain retail sectors.

Both online and brick and mortar spending had been increasing along with a growing economy up to the pandemic. The shift to online shopping has been more dramatic in certain sectors. Products with the highest share of online purchases so far include music/videos, books, computer hardware/software, toys/hobbies/games, and office supplies, which includes the kind of convenience retail found along streetfronts.

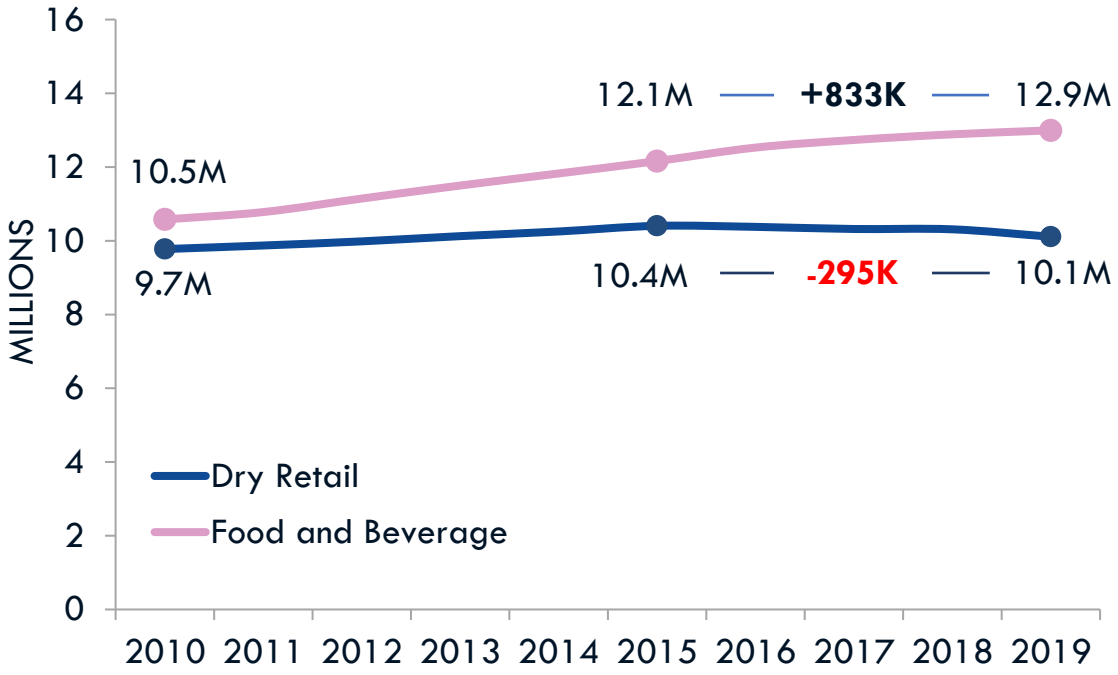
In 2018, e-commerce constituted 9% of total U.S. retail sales, and will continue to grow through the decade. A joint report by PwC and the Urban Land Institute predicted that e-commerce's share of total spending will level off at 15-20% while the Economist suggested an upper limit of 30%. There is a limit to e-commerce's potential market share because certain sectors, like Food and Beverage, are not as well-suited to the online platform and consumers will continue to shop for certain goods in person to avoid the high cost of shipping.



Source: U.S. Census Bureau Retail Indicators Branch, Monthly Retail Trade Survey, 1Q2000-1Q2018; PwC and Urban Land Institute, "Emerging Trends in Real Estate," 2018; USAA Real Estate Company, "E-Commerce: Implications for Retail Real Estate," 2015; The Economist, "One-to-One Commerce," 2021.

National Trend #2 | Food & Beverage and experiential retail jobs, which are less suited to online platforms, have been replacing other retail jobs.

TOTAL U.S. JOBS IN FOOD AND BEVERAGE AND DRY GOODS RETAIL (2010-2019)



CHANGE BETWEEN 2015-2019

+833K

Increase in food & beverage jobs
(e.g., servers and line cooks)

-295K

Decrease in dry goods retail jobs
(e.g., store clerks)

Source: HR&A Analysis; EMSI. Each industry is defined based on occupation codes that exclusively make up either brick-and-mortar dry goods retail (such as sales clerks and cashiers) or F&B (such as food servers and line cooks). Analysis excludes some management occupation codes that might cut across other sectors or codes that may encompass e-commerce jobs.

National Trend #3 | Emerging retail includes local production, experiential Food & Beverage, and omnichannel retailers, but these are not well suited to a street front location like the Project site, instead performing better at retail centers.

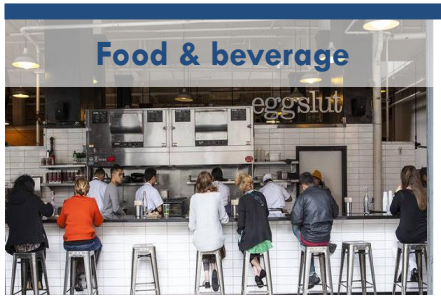
Locally made products

Small businesses and locally made products contribute to an authentic Downtown atmosphere. The COVID-19 pandemic has led to more locally conscious consumers, looking to support small businesses and local products.

Pop-ups & short-term

Pop-ups and short-term retail is a perfect testing ground for new products or brands. Flexible leases for short-term retail is a strategic way to fill vacancies and activate streets.

Food & beverage



Food and beverage retail continues to grow, nationally. Restaurants also help activate commercial centers and visitors and residents during the day and in the evening.

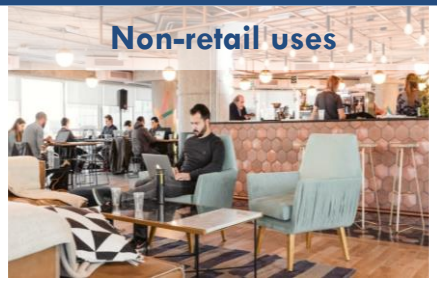
Production & retail hybrids

Production and retail hybrids, like breweries, are increasingly popular and resilient businesses. The two-in-one model offers two distinct customer bases, marketing approaches, and opportunities for growth.

Omnichannel

Omnichannel refers to retailers with both an online and in-person presence. Consumers enjoy shopping for products in stores or showrooms while also retaining the convenience of online orders.

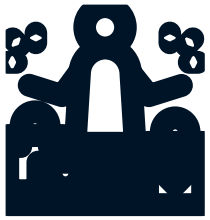
Non-retail uses



As the COVID-19 pandemic has reinforced the diffusion of work environments, the work from anywhere economy thrives. Coworking spaces like Regus and WeWork continue to grow as U.S. office space adapts.

National Trend #4 | Street front retail in downtowns and commercial corridors are facing significant challenges due to competition and changing tenant needs.

CONSUMER BASE



Competition from malls, which are re-inventing themselves, **and online shopping**

Street front retail **often lacks anchors** to attract a critical mass of consumers

STOREFRONT OCCUPANCY

High rents/credit tenant requirements burden local retailers

High upfront capital for F&B and experiential retail which have a high rate of failure

Disinvestment due to rent speculation, decline of dry goods retail, and/or oversupply of space

PHYSICAL CONSTRAINTS

Typical mixed-use residential/retail building formats do not always meet the needs of emerging retailers

Underinvested streetscapes lack sense of place to create a shopping experience

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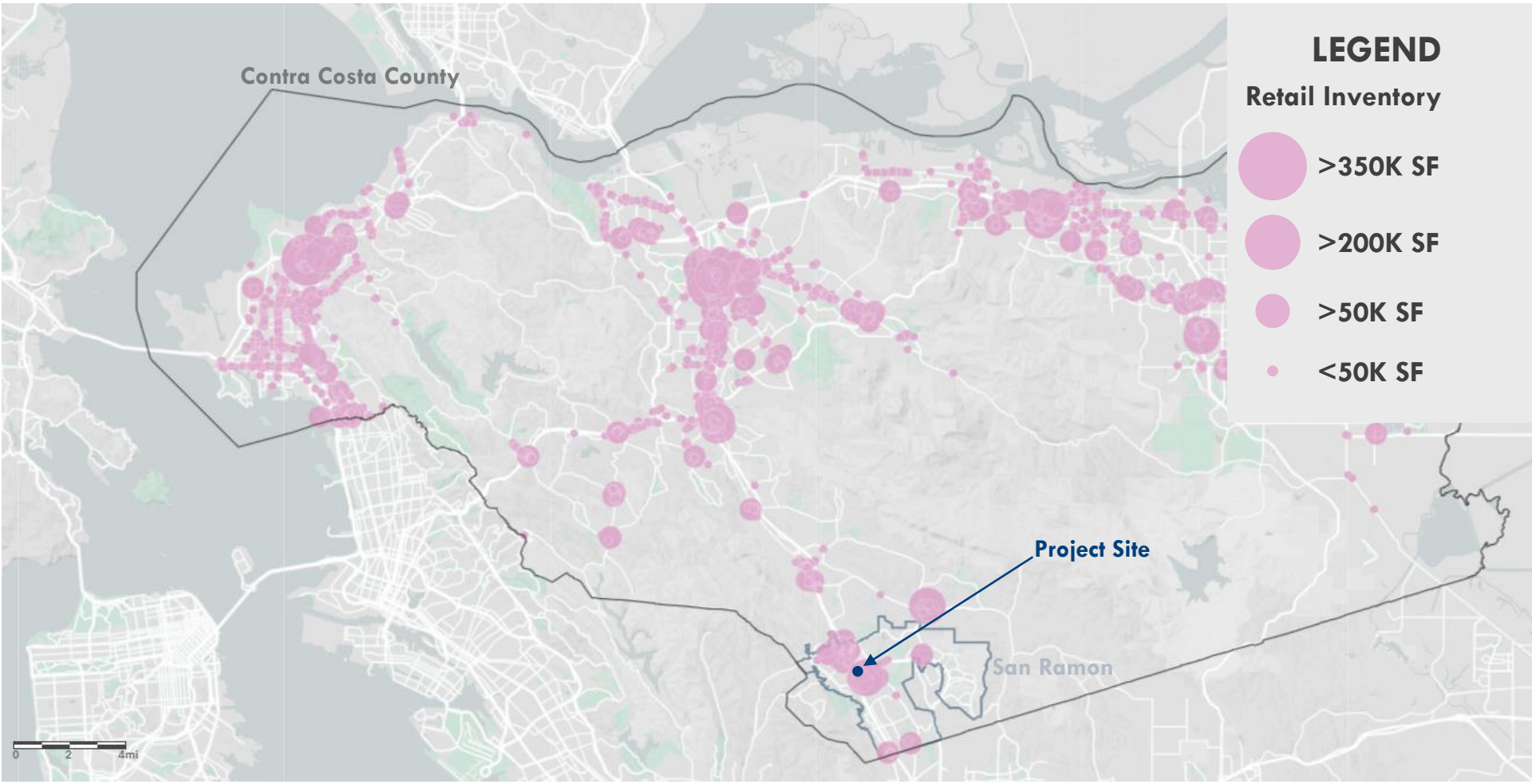
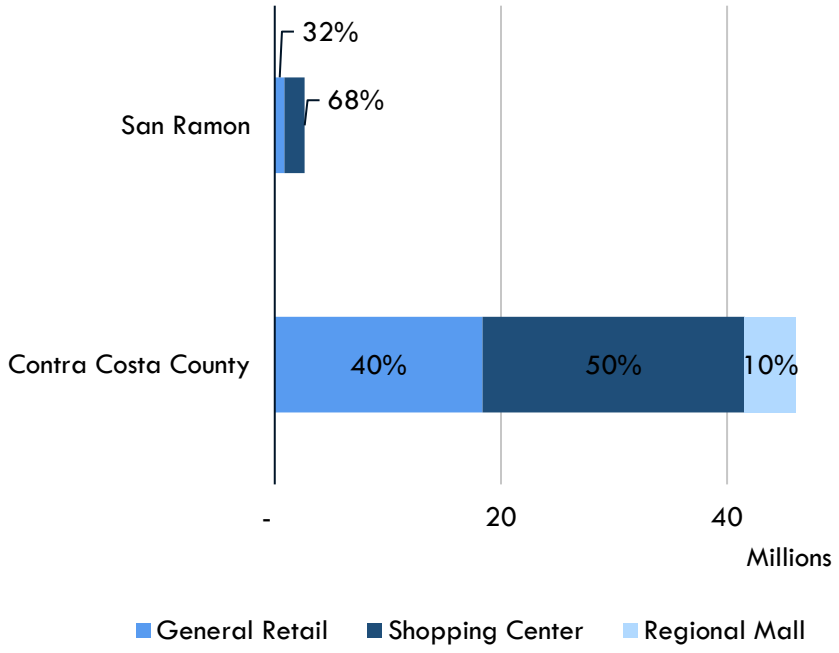
OVERVIEW | Suitability of the Project site for retail development depends upon the performance of San Ramon's retail market, benchmarked to Contra Costa County's 46 million square feet retail inventory, and physical site conditions.



INVENTORY | Retail in San Ramon is more community focused and suburban than retail in Contra Costa County with no general retail in historic downtowns and no regional malls. San Ramon has less retail per capita than the County as a whole.

RETAIL SQUARE FOOTAGE BY TYPE



RETAIL SF PER CAPITA

31.7 sf

San Ramon

39.9 sf

Contra Costa County

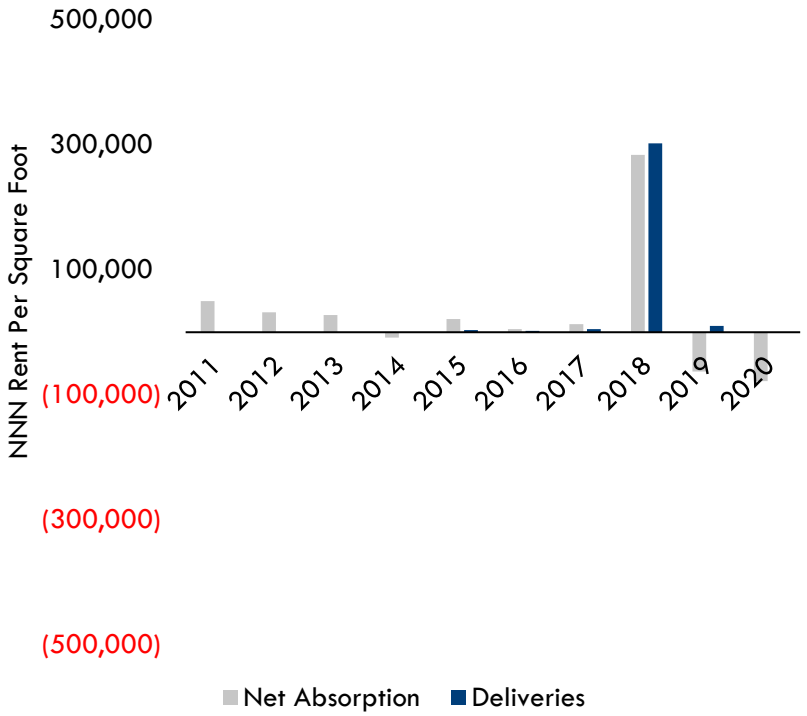
36.0 sf

Contra Costa County
(not including regional malls)

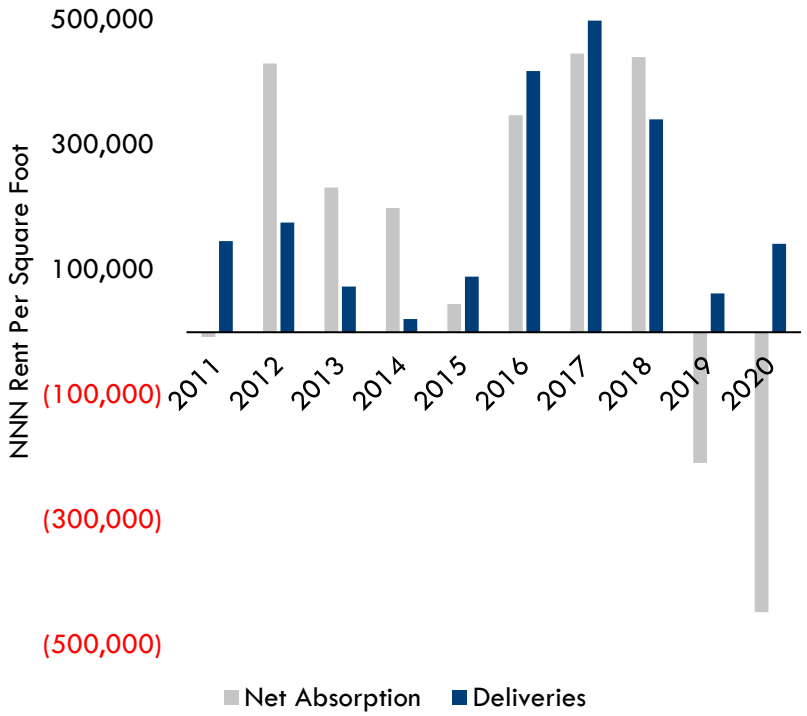
Source: CoStar, CA Department of Finance E-4 Tables

DELIVERIES AND ABSORPTION | The only recent retail delivery in San Ramon is the 285,525 square foot City Center at Bishop Ranch. Since 2019, San Ramon and Contra Costa County have seen negative net retail absorption, suggesting a soft retail market even prior to the pandemic.

SAN RAMON ABSORPTION AND DELIVERIES



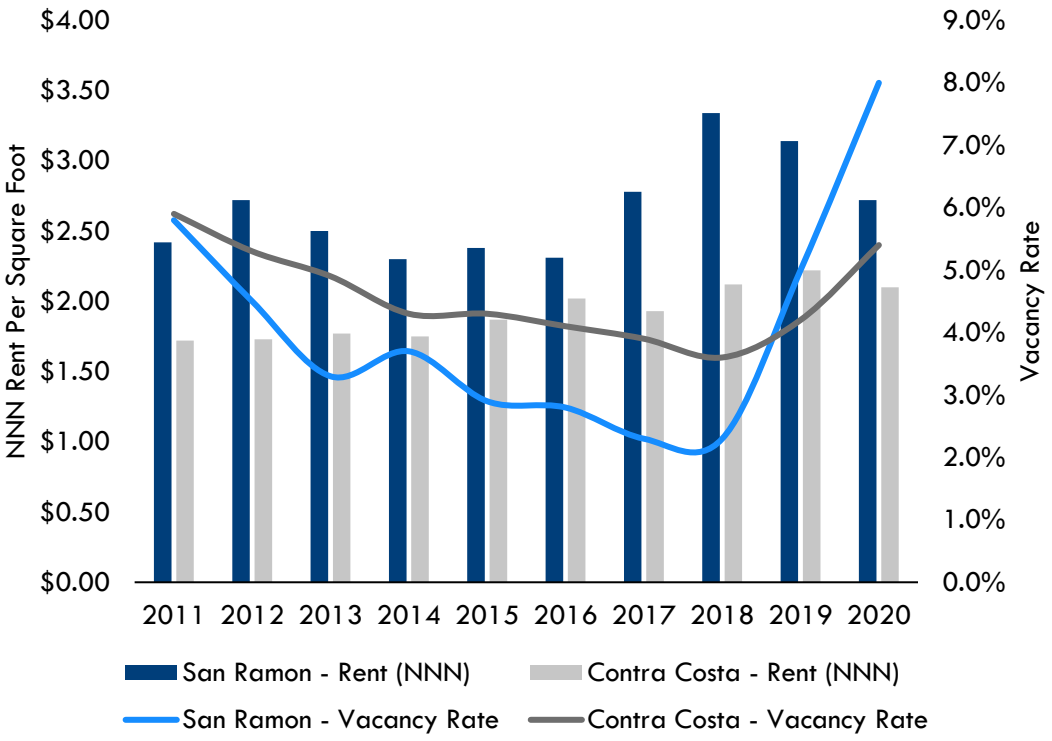
CONTRA COSTA COUNTY ABSORPTION AND DELIVERIES



Source: CoStar

RENTS AND VACANCY | San Ramon has historically had higher rents and a lower vacancy rate than Contra Costa County. However, even prior to the pandemic the vacancy rate was worsening due to negative retail absorption, increasing 3.5 times between 2018 and 2020 to 8 percent.

RETAIL RENT AND VACANCY PERFORMANCE



SAN RAMON KEY STATISTICS

+38%

Higher rents than Contra Costa County
(last 10 years)

-5%

Retail tenants lost between 2018 and 2020

Source: CoStar, CA Department of Finance E-4 Tables

RETAIL LEAKAGE | San Ramon's lower per capita sales than in the County is not uniform across retail categories. Several categories of convenience retail are shrinking, meaning there is likely little appetite to expand their physical presence.

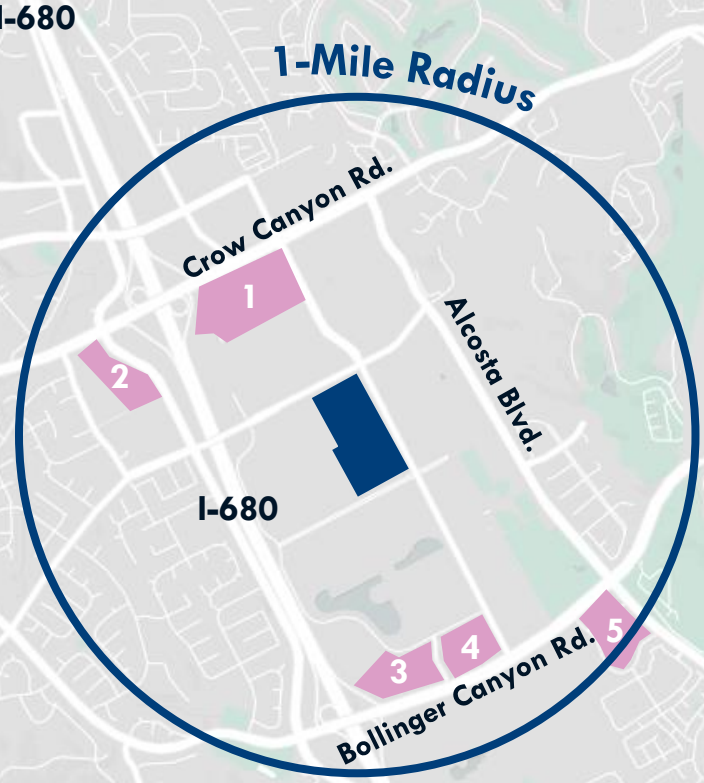
RETAIL SALES PER CAPITA (2019)

Retail Category	Convenience Retail Sector	Brick and Mortar Store Growth Forecast[1]	San Ramon	Contra Costa County	Difference
Motor Vehicle and Parts Dealers	No	Slow growth	$472	$2,117	$1,645
General Merchandise Stores	No	Decline	$661	$1,478	$817
Clothing and Clothing Accessories Stores	Yes	Decline	$261	$890	$629
Other Retail Group	Yes	N/A	$885	$1,489	$604
All Other Outlets	Yes	N/A	$3,625	$4,128	$503
Gasoline Stations	No	Slow growth	$1,108	$1,397	$289
Home Furnishings and Appliance Stores	No	Decline	$408	$607	$199
Food Services and Drinking Places	Yes	Growth	$1,597	$1,699	$102
Food and Beverage Stores	Yes	Growth	$762	$802	$40
Building Material and Garden Equipment and Supplies Dealers	No	Decline	$1,423	$1,066	($357)
Total			**$11,202**	**$15,674**	**$4,472**

[1] *Based on national retail trends. See the previous section.*

Source: CA Department of Finance E-4 Tables, CA Department of Tax and Fee Administration; HR&A

PROJECT SITE CONTEXT | Any retail development on the Project site would compete with and potentially cannibalize sales from the existing 2 million square feet within a 1-mile radius. The Project site is further from freeway exits and major arterials than major retail centers.



LEGEND

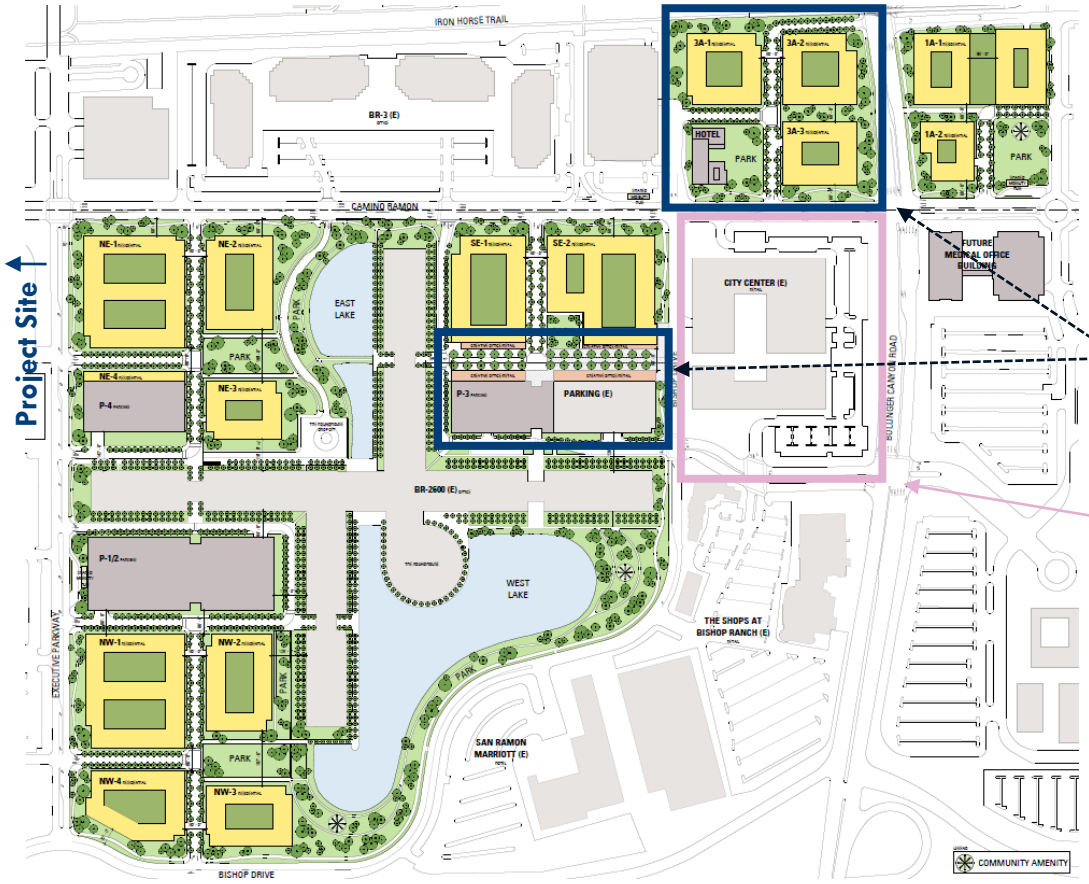
Project Site

Major Retail Centers

Source: CoStar

PIPELINE | The Project is adjacent to the new City Walk mixed-use development, which is largely residential with some neighborhood-retail strategically located next to the existing node of retail activity at City Center. Retail at both City Walk and City Center would be easily accessible to SummerHill residents.

CITY WALK SITE PLAN



Source: Sunset Development

City Walk

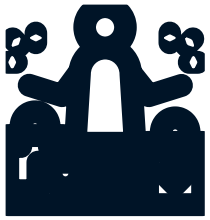
STATUS	Approved
EXPECTED COMPLETION	Phased 2021-2048
DEVELOPER	Sunset Development
TYPE	Mixed-Use
TOTAL RESIDENTIAL UNITS	4,500
RETAIL AND OFFICE SF	**170,000**
HOTEL ROOMS	169

City Center

STATUS	Completed
DEVELOPER	Sunset Development
TYPE	Retail
RETAIL SF	285,525
NUMBER OF TENANTS	~45
OCCUPANCY	100%

TAKEAWAYS | The Project site is not viable for retail development due to a soft retail market, physical location with low visibility, and proximity to existing retail centers.

LOW RETAIL DEMAND



Retail vacancy has been increasing even prior to the pandemic, mirroring national trends.

New residential development is unlikely to spur demand for new retail. City Walk was designed to support retail demand. The Project is unlikely to change this calculus.

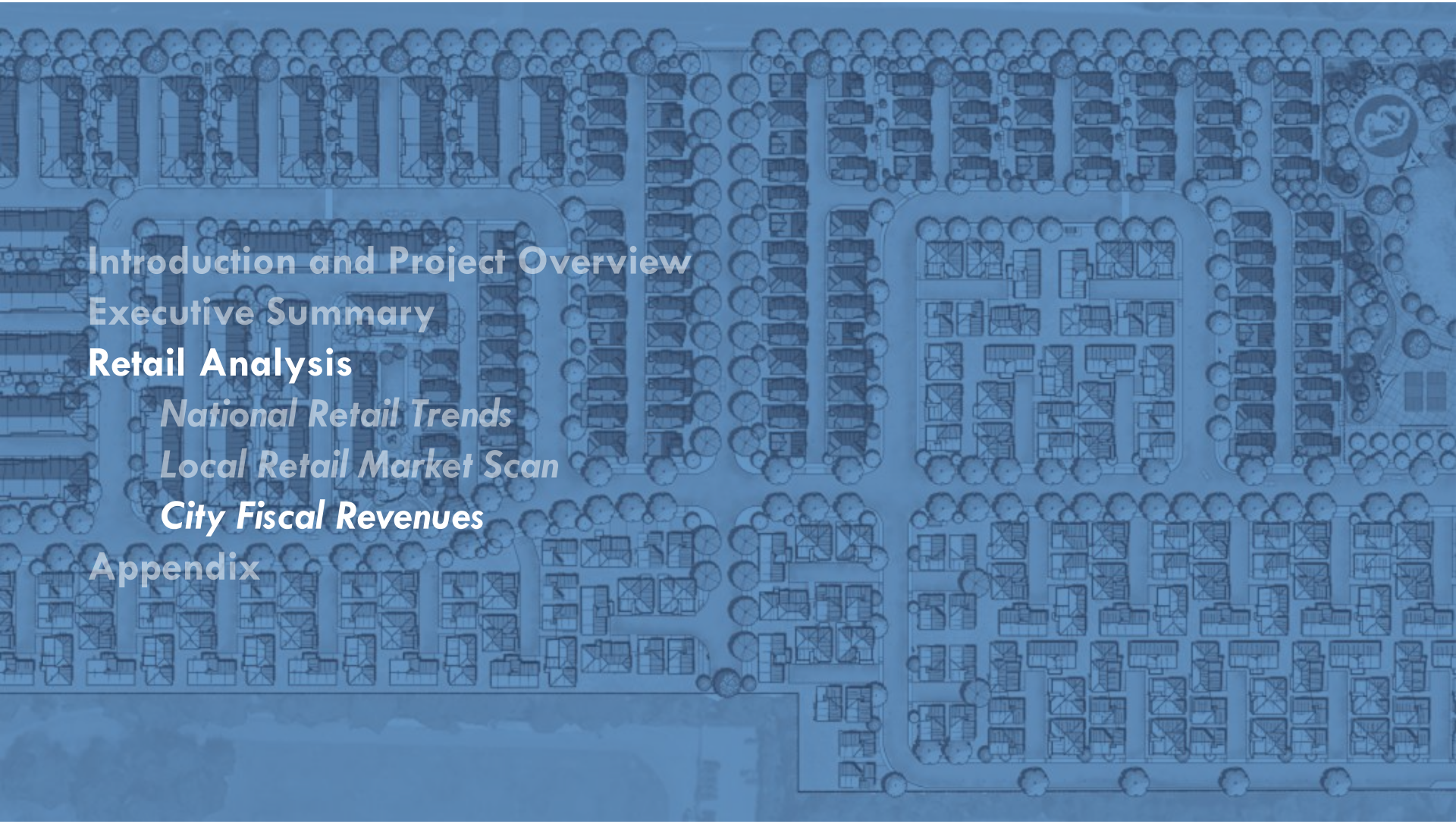
NEARBY COMPETITION

Direct competition is extensive with over 2 million square feet of retail within proximity to the Project site.

Cannibalization of existing retail sales in the area would likely occur if retail is added to the Project, due to low retail demand.

PHYSICAL CONSTRAINTS

Low visibility at the Project site due to its distance from major arterials (i.e., Crow Canyon Road, Bollinger Canyon Road) and lack of direct freeway access to I-680 makes it less attractive to future retailers.



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OVERVIEW | Assuming there was market support for retail at this location, which is doubtful for reasons discussed above, a neighborhood retail component at the Project site, as envisioned by the NCRSP, could generate annual revenues to the San Ramon's General Fund, primarily in the form of sales and property tax, but only if fully leased.

SALES TAX

The State Board of Equalization allocates one percent of local sales tax revenue back to the City for general expenditure purposes.

PROPERTY TAX

The City receives 10.2% of the one percent levy on the assessed value of land and buildings within the City.

Additionally, the State provides a motor vehicle license in lieu fee (MVLF), based on assessed value, to replace local Motor Vehicle License Fees eliminated in 2005.

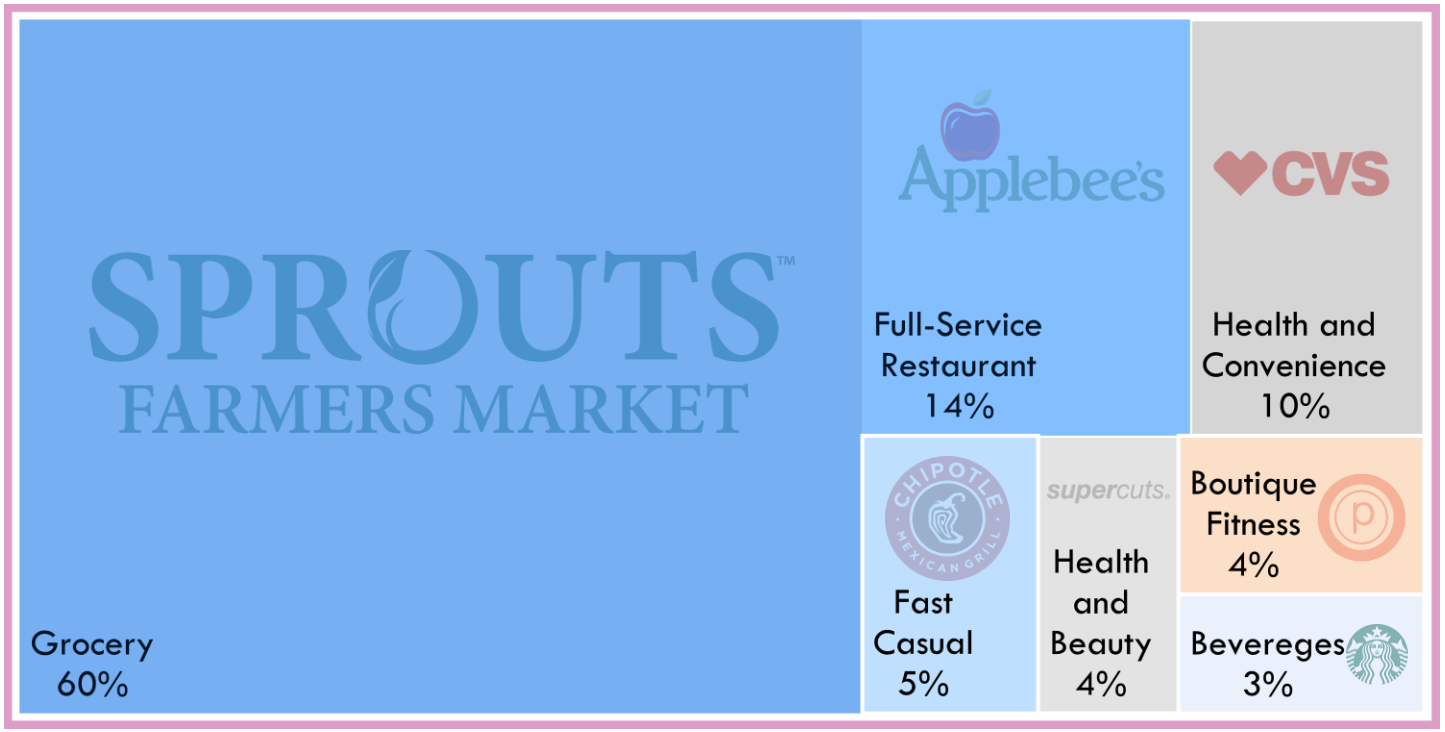
OTHER REVENUES

The City receives other revenues, including Franchise Fees imposed on various utilities to operate in the City, and Business License Fees for businesses to operate in the City.

RETAIL PROGRAM | To estimate fiscal revenues from a modified Project that included retail, HR&A created a hypothetical retail program focused on neighborhood-serving uses most likely to serve the Project site.

RETAIL DISTRIBUTION

97,000 SF Of Leasable Space

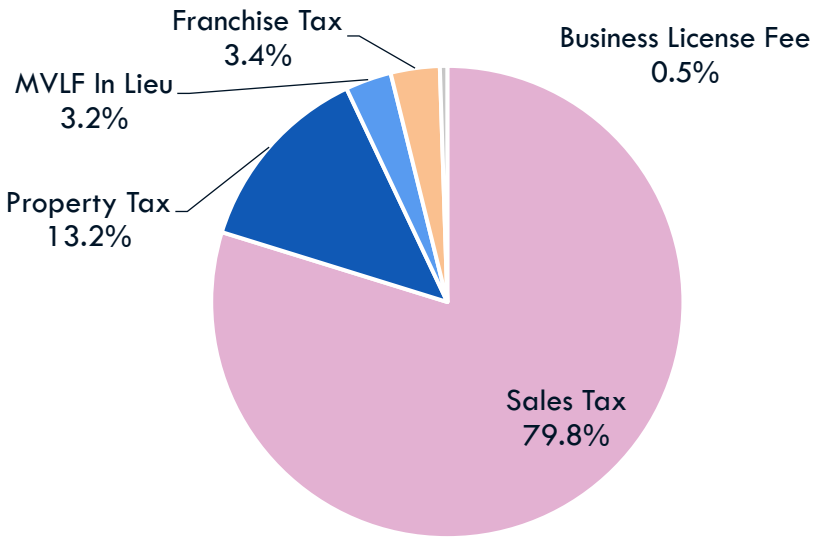


11 Retail Stores

Source: HR&A

FISCAL REVENUES: RETAIL COMPONENT | If fully occupied, the retail program would generate approximately $0.45 million in annual fiscal revenues to San Ramon, 80% of which would come from sales tax.

DISTRIBUTION OF CITY ANNUAL FISCAL REVENUES (2021$)



GENERAL FUND FISCAL REVENUES

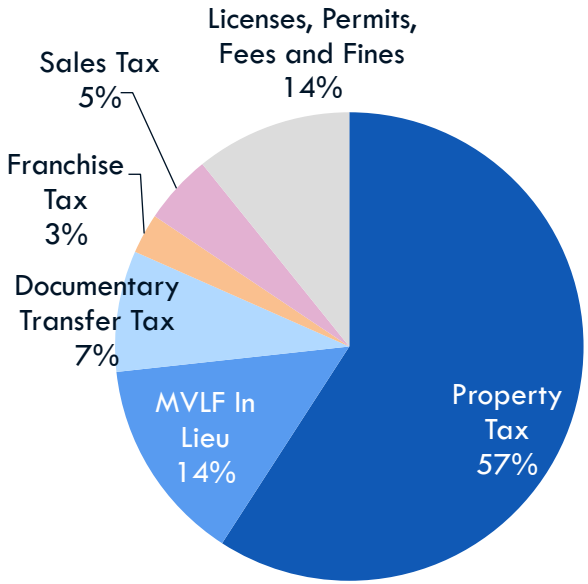
Category	2021 $
Sales Tax	$368,000
Property Tax[1]	$0
Motor Vehicle In-Lieu Fee (MVLF)	$12,000
Franchise Fee	$13,000
Business License	$2,000
Gross Fiscal Revenues	**$447,000**

[1]According to the current Master Property Tax Exchange Agreement governing Bishop Ranch, San Ramon's share of property tax is decreased by 50 percent of sales tax revenue. The retail component's estimated annual property tax revenue is $52,000 which is less than $156,500 ($360,000 x 50%), resulting in $0 to the City.

Source: HR&A

FISCAL REVENUES: CURRENT PROPOSAL | The Project as proposed without retail would generate approximately $0.6 million in annual fiscal revenues to San Ramon, 57% of which would come from property taxes, with MVLF and documentary transfer tax comprising another 21 percent of revenues.

DISTRIBUTION OF CITY ANNUAL FISCAL REVENUES (2021$)



REVENUES IN 2029 (First Stabilized Year)

GENERAL FUND FISCAL REVENUES

Category	2021 $
Sales Tax	$30,000
Property Tax	$340,000
Motor Vehicle In-Lieu Fee (MVLF)	$80,000
Documentary Transfer Tax	$40,000
Franchise Fee	$20,000
Other Licenses, Taxes, and Fees	$80,000
Gross Fiscal Revenues	**$590,000**

***Note**: Property Tax and MVLF in Lieu include property tax turnover, assuming ten percent of homes are re-sold each year, resetting these taxes for those homes based on their resale price. This data is based on the first year of stabilization and therefore does not include escalating revenues as homes re-sell.*

Source: HR&A analysis of SummerHill's City Village project

FISCAL REVENUES ADJUSTMENT | The hypothetical retail program would decrease the residential program by 28% and shift fiscal revenue away from property tax towards sales tax. Only if the retail program was able to achieve stabilized occupancy could it yield more revenue than the proposed Project.

RETAIL IMPACTS ON PROJECT PROGRAM

4-5 acres

Needed for 97,000 sf of Retail
(0.5 FAR)[1]

-28%

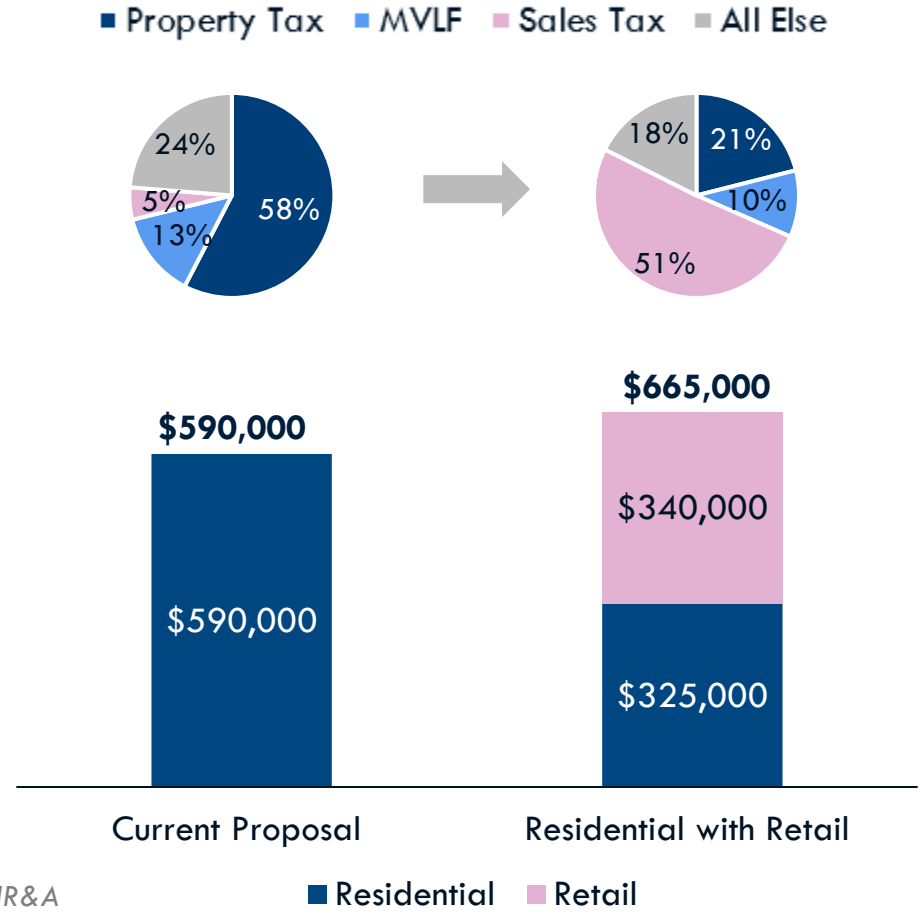
Decrease in Residential Units
(115 units)[2]

[1]*Based on average FAR for Neighborhood Centers per ICSC Research.*

[2]*SummerHill estimate assuming the retail component is located on the northeast portion of the Project site.*

[3]*Includes the impact of the current Master Property Tax Exchange Agreement governing Bishop Ranch (i.e., 50% of sales tax revenue deducted from property tax).*

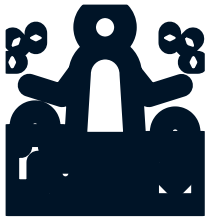
PROJECT ANNUAL FISCAL REVENUES[3]



Source: International Council of Shopping Centers, SummerHill, HR&A

COMPARATIVE REVENUE CAVEATS | The revenue comparison likely over-states the benefits of a hypothetical retail program. Weak convenience retail demand and the Project site's inferior location for new retail would reduce the City's sales tax revenue potential. A potential 4th Amendment to the City-County tax sharing agreement adds uncertainty on what portion of retail revenues the City would retain.

LOW RETAIL DEMAND



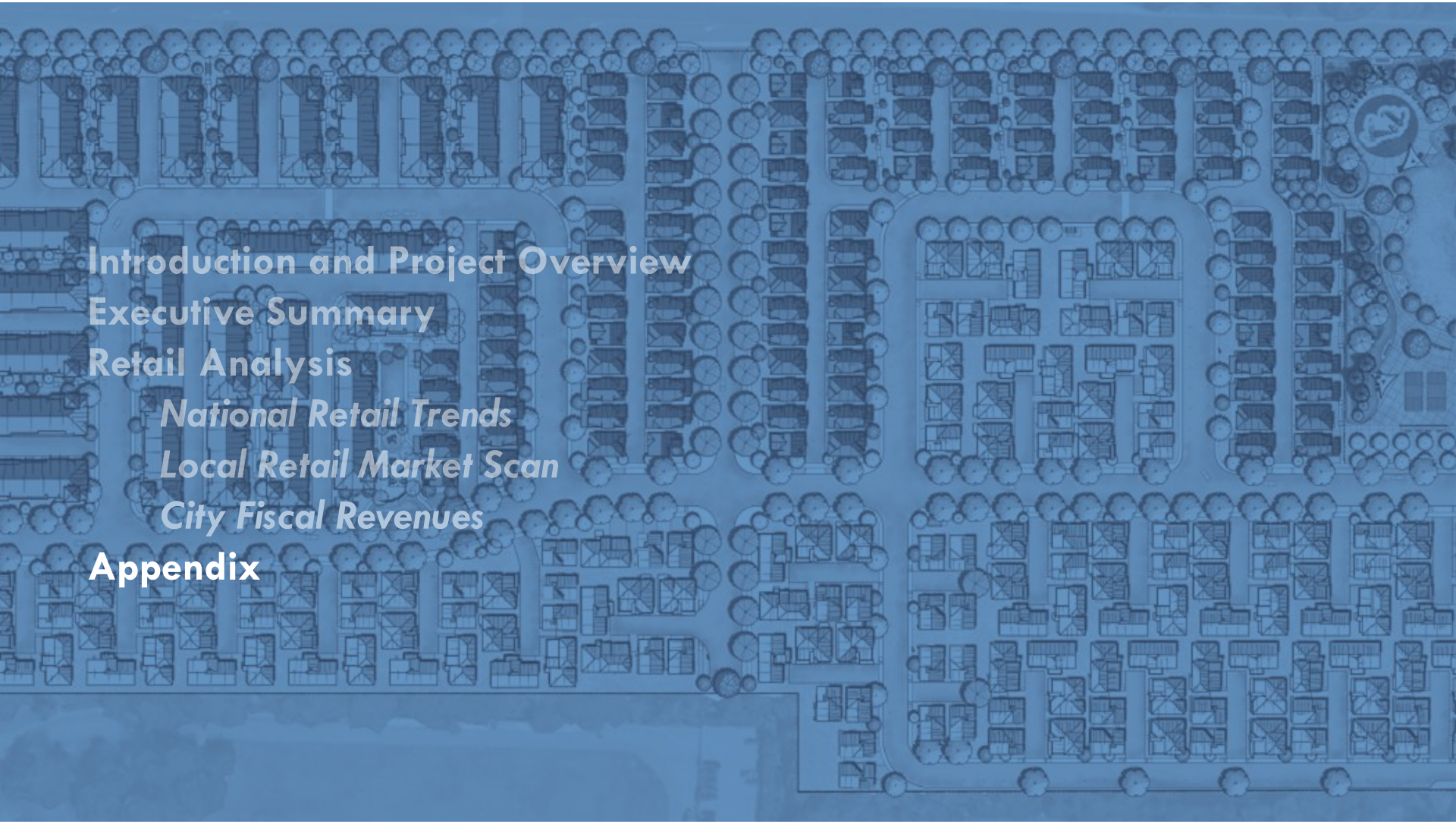
Strong nearby competition in more ideally located parcels could make it **difficult to fully lease the project,** reducing the retail components fiscal revenue potential

CANNABILIZATION OF EXISTING RETAIL SALES

A soft retail market means, even if the Project retail is fully leased, **retail sales** could be **redirected** from other retail establishments to the site, netting out some sales tax gains Citywide.

BISHOP RANCH TAX SHARING AGREEMENT

Any 4th amendment to the Master Property Tax Exchange Agreement would **change** what portion of **City sales tax or property tax revenue** is **directed** to the **County.**



Introduction and Project Overview
Executive Summary
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National Retail Trends
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Appendix

CITY REVENUES METHODOLOGY FOR THE HYPOTHETICAL RETAIL

To construct the fiscal impact analysis model for the Project, HR&A used **public and proprietary third-party data** to estimate certain real estate metrics, City municipal code requirements and budget data to identify tax revenues and tax formulas applicable to the Project, and industry-standard tax revenue and municipal services cost analysis approaches. SummerHill provided HR&A with certain assumptions about the Retail Project including the **number of Project leasable spaces and mix of tenants**.

HR&A quantified **recurring fiscal impacts** to the General Fund for the City of San Ramon. Recurring fiscal impacts refer to City revenues and costs that occur on an annual basis once the Project is completed, leased, and stabilized. Estimated recurring Project revenues are **based on current City tax rates and tax formulas** and HR&A analysis.

This analysis treats fiscal revenues under the **current Master Property Tax Exchange Agreement** governing Bishop Ranch and **does not consider** the impacts from the adoption of a **4th amendment.**

This **study did not consider the impacts of one-time fiscal revenues** resulting from construction.

HR&A **supplemented its fiscal analysis** with findings from its **previous work** for *City Village Economic and Fiscal Impact Analysis* which the firm completed for SummerHill on March 31, 2021.

To calculate the **recurring annual impacts** for the retail and residential components combined, HR&A **added reduced residential revenue to the retail revenue estimate.** This reduction was **based on the land needs** of a new neighborhood retail center **and discussions with SummerHill** on its probable location on the site to identify the number of impacted residential units.

CITY REVENUES METHODOLOGY FOR THE HYPOTHETICAL RETAIL

Descriptions of key revenue sources for the City of San Ramon's General Fund are as follows:

Property Tax. The property tax applicable to the Project site includes a one percent levy on the assessed value of land and buildings, which is distributed among different local taxing entity accounts including the City of San Ramon.

Property Tax In Lieu of Motor Vehicle License Fees. This additional property tax revenue is provided by the State to communities following the elimination of local receipt of Motor Vehicle License Fees in 2005. The motor vehicle in lieu fee (MVLF) amount is set by the State based on the total assessed value of land and buildings in a given municipality each year. HR&A calculates MLVF based on the ratio of MVLF in FY 2020 and assessed value in FY 2020. This tax revenue calculation is also derived from assessed value.

Sales Tax. The State Board of Equalization allocates one percent of local sales tax revenue back to the City for general purposes. HR&A's analysis includes sales tax generated from sales at new Project businesses.

Franchise Tax. A franchise fee is imposed on various utilities, which permits them to use and operate facilities within the City. The fee is based on the gross income derived by each utility from charges to new Project businesses.

Business License Fee. Each year businesses must pay an annual fee to operate in the City. This analysis considers both the fee on general businesses as well as lessors of commercial property.

CITY REVENUES METHODOLOGY FOR THE HYPOTHETICAL RETAIL

Program Assumptions

Category	Value
Leasable SF[1]	97,000
Building Efficiency[2]	95%
Gross Building SF	102,105
Annual NNN Rent per SF[3]	$34.30
Vacancy Rate[3]	5.2%
OpEx[2]	7.0%
Cost of Sale[2]	5.0%
Capitalization Rate[4]	5.5%
Taxable Sales[2]	80%

[1] SummerHill Homes.

[2] HR&A Advisors Assumptions.

[3] Costar.

[4] CBRE, 2020 Q3 Class A Neighborhood Center, East Bay/Oakland.

City Tax Rates[1]

General Fund	Factors
General Levy (x Assessed Value)	1.0%
City Share of General Levy[2]	10.2%
2020 City Assessed Value	$22,740,938,432
2020 City MVLF in Lieu	$5,557,140
MVLF In Lieu Percentage (x Assessed Value)	0.024%
Sales and Use Tax	1.0%
Franchise Tax (Internet)	5.0%

[1] City of San Ramon Municipal Code.

[2] Assumes approval of the 4th Amendment to the City-County Tax Sharing Agreement.

CITY REVENUES METHODOLOGY FOR THE HYPOTHETICAL RETAIL

Estimated Property Taxes

Stabilized Valuation	Factors	Values
Average Annual NNN Rent per SF[1]		$34.30
Gross SF[1]		102,105
Leasable SF @ 95% Efficiency		97,000
Occupancy[2]		95%
Effective Gross Income @ 95% Occupied[1]		$3,155,386
Less: OpEx @ 7%[3]		-$220,877
NOI		$2,934,509
Cap Rate[4]	5.5%	
Less: Cost of Sale @ 5%[2]		-$2,667,736
Net Value = Assessed Value		$50,686,979
General Levy (x Assessed Value)[5]	**1.0%**	**$506,870**
City Share of General Levy[5]	**10.2%**	**$51,824**
MVLF In Lieu (x Assessed Value)[6]	**0.0244%**	**$12,386**

[1] See Program Assumptions

[2] HR&A Advisors.

[3] HR&A Advisors. Includes management fee, a replacement reserve, and all other operating expenses.

[4] Per CBRE Q3 2020 Cap Rate, East Bay/Oakland.

[5] See City Tax Rates.

[6] MVLF In Lieu is calculated as the Project's AV multiplied by the percent of MVLF In Lieu generated 2005 ($2.9 million) divided by total City assessed valuation in 2005 ($9.6 billion), or 0.03%.

CITY REVENUES METHODOLOGY FOR THE HYPOTHETICAL RETAIL

Estimated Sales + Use Tax

Tenant Type	Leasable SF[1]	Sales Per SF[2]	Annual Gross Sales	Vacancy Rate	Annual Gross Sales with 5% Vacancy	Taxable %[3]	Annual Taxable Retail Sales
Retail	97,000	$681	$66,069,222	5.2%	$62,666,657	50%	$31,333,329
Total	**97,000**		**$66,069,222**		**$62,666,657**		**$31,333,329**
City's Sales Tax Rate[4]							1.0%
Annual Sales Tax Revenue (2021 $)							**$313,333**

[1] HR&A assumption based on an 95% building efficiency ratio.

[2] Retail Sales per SF Standards (Retail Maxim).

[3] HR&A assumption based on hypothetical tenant mix.

[4] Assumes tax rates effective 1/1/2021 remain in effect without change over the projection period.

CITY REVENUES METHODOLOGY FOR THE HYPOTHETICAL RETAIL

Estimated Franchise Tax

Tenant Type	Net SF	Establishments[1]	Cost per Establishment[2]	Franchise Tax Rate[3]	Total Franchise Tax
Retail/Restaurant					
Internet	97,000	11	$24,000	5.0%	$13,200
Annual Franchise Tax Revenue (2021 $)					**$13,200**

[1] Number of establishments based on hypothetical program and average store size by retail tenant category.
[2] HR&A calculation based on average number of employees per establishment and BusinessInternet.com and OneRing Networks.
[3] City of San Ramon. Assumes tax rates effective 1/1/2021 remain in effect without change over the projection period.

Business License Fees

Business Type	Establishments[1]	Fee per Establishment[2]	Total Business License Fee
Retail Businesses			
Less than 5 employees	3	$54	$162
Six to 50 employees	7	$104	$728
More than 50 employees	1	$204	$204
			$1,094
Retail Leases			**$204**
Less than 5,000 SF leased	7	$54	$378
5,000 to 10,000 SF leased	3	$104	$312
Greater than 10,000 SF leased	1	$204	$204
			$894
Annual Business License Fee Revenue (2021 $)			**$1,988**

[1] Number of establishments based on hypothetical program and average store size by retail tenant category.
[2] City of San Ramon. Assumes business license fees effective 1/1/2021 remain in effect without change over the projection period.

GENERAL AND LIMITING CONDITIONS

1. Any person who relies on or otherwise uses this Study is required to have first read, understood and accepted the following disclosures, limitations and disclaimers, and will, by reason of such reliance or other use, be deemed to have read, understood and accepted the same.
2. HR&A Advisors, Inc. (HR&A) has been engaged and compensated by SummerHill Homes to prepare this Study. In preparing this Study HR&A has used its independent professional judgment and skills in good faith, subject to the limitations, disclosures and disclaimers herein.
3. This Study is based on estimates, assumptions and other information developed by HR&A, other third party consultants, and city officials. Every reasonable effort has been made to ensure that the data contained in this Study are accurate as of the date of this Study; however, factors exist that are outside the control of HR&A and that may affect the estimates and/or projections noted herein. HR&A neither guarantees any results nor takes responsibility for their actual achievement or continuing applicability, as actual outcomes will depend on future events and circumstances beyond HR&A's control.
4. HR&A reviewed the information and projections provided by third parties using its independent professional judgment and skills in good faith, but assumes no liability resulting from errors, omissions or any other inaccuracies with respect to the information provided by such third parties referenced in this Study.
5. HR&A also relied on data provided by or purchased from the Retail Maxim, Economic Modeling Specialists International (EMSI), CoStar Group, and discussion with staff at SummerHill Homes. HR&A assumes no liability resulting from errors, omissions or any other inaccuracies with respect to the information provided by these parties.
6. In addition to relying on data, information, projections and forecasts of others as referred to above, HR&A has included in this Study estimates and assumptions made by HR&A that HR&A believes are appropriate, but HR&A makes no representation that there will be no variances between actual outcomes and such estimates and assumptions.
7. No summary or abstract of this Study, and no excerpts from this Study, may be made for any purpose without HR&A's prior written consent.
8. HR&A has provided estimates of potential property tax impacts in San Ramon based on our experience and familiarity with national best practices for tax assessments of income-producing properties. HR&A is not a licensed real estate appraiser and makes no further representations regarding such estimates.
9. No opinion is intended to be expressed and no responsibility is assumed for any matters that are legal in nature or require legal expertise or specialized knowledge beyond that of a real estate consultant.
10. Many of the figures presented in this report will be rounded. HR&A disclaims any and all liability relating to rounding errors.
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