

February 13, 2018

Tasman Geosciences

Bob Cornez

6899 Pecos Street, Unit C

Denver

CO 80211

Project Name - KMG - Sekich Farms 16-18

Project Number - [none]

Attached are your analytical results for KMG - Sekich Farms 16-18 received by Origins Laboratory, Inc. February 12, 2018. This project is associated with Origins project number Y802167-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Tasman Geosciences

6899 Pecos Street, Unit C

Denver CO 80211

Bob Cornez

Project Number: [none]

Project: KMG - Sekich Farms 16-18

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01@6'	Y802167-01	Water	February 12, 2018 16:16	02/12/2018 18:04
N01@5'	Y802167-02	Soil	February 12, 2018 16:15	02/12/2018 18:04
E01@5'	Y802167-03	Soil	February 12, 2018 16:17	02/12/2018 18:04
S01@5'	Y802167-04	Soil	February 12, 2018 16:19	02/12/2018 18:04
W01@5'	Y802167-05	Soil	February 12, 2018 16:21	02/12/2018 18:04

Per the email from Mike on 02/13/18, samples E01@5', S01@5', and W01@5' were taken off hold for a same day TAT.

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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

ORIGINS
LABORATORY, INC

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page 1 of 1





4802167

Client: ARC Project Manager/Send Report To: Robert Corne

Address: _____ Email Address: robert@corne.com

_____ Project Name/Number: Seiche Guard 1618

Telephone Number: _____ Samples Collected By: BVL

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Matrix			Analysis/Method					Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	At Surface	Other	Other	Other	Other	Other	Other	
GW215'	2-12-18	1616	3	X				X									1
N015'		1615	2						X								2
F015'		1617	1														3
S015'		1619	1														4
W015'		1611	1														5
B015'		1603	1														6
																	7
																	8
																	9
																	10
Reinquished By: 	Date: 2-12-18	Time: 1604		Received By: 	Date: 2-12-18	Time: 1604		Time: 1604		Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>							
Reinquished By: 	Date: 2-12-18	Time: 1604		Received By: 	Date: 2-12-18	Time: 1604		Time: 1604		Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>							

Origins Laboratory, Inc.

Jeff Pellipini

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y80267

Client: Tasman

Client Project ID: KMG - Sekich Farms 16-18

Checklist Completed by: [Signature]

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 2-12-12

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☒ Water ☐ Other: _____ (Describe)

Cooler Number/Temperature: 1 3.3 °C 1 °C 1 °C 1 °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	pk
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL +H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 2-12-12

Origins Laboratory, Inc.

[Signature]

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

GW01@6'
2/12/2018 4:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802167-01 (Water)

BTEX by EPA 8260C

Benzene	7.96	4.00	ug/L	4	B8B1201	02/12/2018	02/12/2018
Toluene	54.7	4.00	"	"	"	"	"
Ethylbenzene	6.88	4.00	"	"	"	"	"
Xylenes, total	75.6	4.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"
Surrogate: Toluene-d8	101 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

N01@5'
2/12/2018 4:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802167-02 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B8B1206	02/12/2018	02/12/2018	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 74.6 % 59-131 " " "

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8B1207	02/12/2018	02/13/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 116 % 70-130 " " "
Surrogate: Toluene-d8 98.2 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

pH in Soil by EPA 9045D

pH	8.44		pH Units	1	B8B1209	02/12/2018	02/12/2018	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.111		mmhos/cm	"	B8B1210	02/12/2018	"	
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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

E01@5'
2/12/2018 4:17:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802167-03 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B8B1302	02/13/2018	02/13/2018	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 75.8 % 59-131 " " "

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B8B1301	02/13/2018	02/13/2018	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 96.0 % 70-130 " " "

pH in Soil by EPA 9045D

pH	8.49	pH Units	1	B8B1303	02/13/2018	02/13/2018
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0991	mmhos/cm	"	B8B1304	"	"
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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

S01@5'
2/12/2018 4:19:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802167-04 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B8B1302	02/13/2018	02/13/2018	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 72.5 % 59-131 " " "

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B8B1301	02/13/2018	02/13/2018	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 97.1 % 70-130 " " "

pH in Soil by EPA 9045D

pH	8.63		pH Units	1	B8B1303	02/13/2018	02/13/2018	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.154		mmhos/cm	"	B8B1304	"	02/13/2018	
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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

W01@5'
2/12/2018 4:21:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802167-05 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B8B1302	02/13/2018	02/13/2018	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 78.4 % 59-131 " " "

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B8B1301	02/13/2018	02/13/2018	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
Surrogate: Toluene-d8 98.8 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 95.2 % 70-130 " " "

pH in Soil by EPA 9045D

pH	8.62	pH Units	1	B8B1303	02/13/2018	02/13/2018
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.151	mmhos/cm	"	B8B1304	"	"
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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1201 - EPA 5030B (Water)										
Blank (B8B1201-BLK1)					Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	84-121			
Surrogate: Toluene-d8	60		"	62.5		95.3	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.3	84-114			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

Blank (B8B1201-BLK2)

Prepared: 02/12/2018 Analyzed: 02/12/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5	92.0		84-121			
Surrogate: Toluene-d8	64		"	62.5	102		85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.2		84-114			

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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

LCS (B8B1201-BS1)

Prepared: 02/12/2018 Analyzed: 02/12/2018

Benzene	45.1	1.00	ug/L	50.0		90.3	73.3-129			
Toluene	44.0	1.00	"	50.0		88.0	76.2-123			
Ethylbenzene	43.3	1.00	"	50.0		86.6	73.6-130			
m,p-Xylene	85.6	2.00	"	100		85.6	76.1-126			
o-Xylene	42.4	1.00	"	50.0		84.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.8	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

LCS (B8B1201-BS2)

Prepared: 02/12/2018 Analyzed: 02/12/2018

Benzene	49.2	1.00	ug/L	50.0		98.5	73.3-129			
Toluene	48.7	1.00	"	50.0		97.4	76.2-123			
Ethylbenzene	46.9	1.00	"	50.0		93.8	73.6-130			
m,p-Xylene	91.4	2.00	"	100		91.4	76.1-126			
o-Xylene	44.3	1.00	"	50.0		88.6	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	84-114			

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Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

Matrix Spike (B8B1201-MS1)		Source: Y802092-05			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	52.4	1.00	ug/L	50.0	ND	105	74-130			
Toluene	52.2	1.00	"	50.0	ND	104	73-131			
Ethylbenzene	49.9	1.00	"	50.0	ND	99.8	76-132			
m,p-Xylene	96.5	2.00	"	100	ND	96.5	69-139			
o-Xylene	45.7	1.00	"	50.0	ND	91.5	74-131			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		87.0	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.9	84-114			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

Matrix Spike (B8B1201-MS2)		Source: Y802092-08			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	51.3	1.00	ug/L	50.0	ND	103	74-130			
Toluene	50.9	1.00	"	50.0	ND	102	73-131			
Ethylbenzene	49.1	1.00	"	50.0	0.070	98.1	76-132			
m,p-Xylene	94.6	2.00	"	100	ND	94.6	69-139			
o-Xylene	45.4	1.00	"	50.0	ND	90.8	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	84-114			

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Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

Matrix Spike Dup (B8B1201-MSD1)		Source: Y802092-05			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	51.5	1.00	ug/L	50.0	ND	103	74-130	1.62	20	
Toluene	51.1	1.00	"	50.0	ND	102	73-131	2.19	20	
Ethylbenzene	48.6	1.00	"	50.0	ND	97.2	76-132	2.68	20	
m,p-Xylene	94.9	2.00	"	100	ND	94.9	69-139	1.69	20	
o-Xylene	45.2	1.00	"	50.0	ND	90.4	74-131	1.12	20	
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		86.7	84-121			
Surrogate: Toluene-d8	65		"	62.5		105	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	84-114			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1201 - EPA 5030B (Water)

Matrix Spike Dup (B8B1201-MSD2)		Source: Y802092-08			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	46.6	1.00	ug/L	50.0	ND	93.1	74-130	9.73	20	
Toluene	46.0	1.00	"	50.0	ND	92.0	73-131	10.2	20	
Ethylbenzene	43.6	1.00	"	50.0	0.070	87.1	76-132	11.9	20	
m,p-Xylene	84.5	2.00	"	100	ND	84.5	69-139	11.3	20	
o-Xylene	41.6	1.00	"	50.0	ND	83.3	74-131	8.68	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	84-114			

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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1207 - EPA 5030 (soil)										
Blank (B8B1207-BLK1)					Prepared: 02/12/2018 Analyzed: 02/12/2018					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	68		ug/kg	62.5		109	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1207 - EPA 5030 (soil)										
LCS (B8B1207-BS1)					Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.100	0.002	"	0.100		99.9	74.5-128			
Ethylbenzene	0.099	0.002	"	0.100		99.5	66.4-127			
m,p-Xylene	0.198	0.004	"	0.200		98.8	76.6-124			
o-Xylene	0.096	0.002	"	0.100		96.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		96.9	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	70-130			

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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1207 - EPA 5030 (soil)

Matrix Spike (B8B1207-MS1)		Source: Y802157-01			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	0.103	0.002	mg/kg	0.100	0.006	96.8	71.8-126			
Toluene	0.099	0.002	"	0.100	0.005	93.8	65.1-130			
Ethylbenzene	0.095	0.002	"	0.100	0.0006	94.7	62.2-130			
m,p-Xylene	0.195	0.004	"	0.200	ND	97.4	46.5-137			
o-Xylene	0.095	0.002	"	0.100	0.0008	94.3	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	70-130			

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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1207 - EPA 5030 (soil)

Matrix Spike Dup (B8B1207-MSD1)		Source: Y802157-01			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Benzene	0.108	0.002	mg/kg	0.100	0.006	102	71.8-126	5.19	11.3	
Toluene	0.103	0.002	"	0.100	0.005	98.6	65.1-130	4.75	15.4	
Ethylbenzene	0.099	0.002	"	0.100	0.0006	98.1	62.2-130	3.53	19.6	
m,p-Xylene	0.205	0.004	"	0.200	ND	102	46.5-137	5.02	19.2	
o-Xylene	0.100	0.002	"	0.100	0.0008	99.5	54.2-134	5.24	17.9	
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.5	70-130			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1301 - EPA 5030 (soil)										
Blank (B8B1301-BLK1)					Prepared: 02/13/2018 Analyzed: 02/13/2018					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1301 - EPA 5030 (soil)										
LCS (B8B1301-BS1)					Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.102	0.002	"	0.100		102	74.5-128			
Ethylbenzene	0.101	0.002	"	0.100		101	66.4-127			
m,p-Xylene	0.208	0.004	"	0.200		104	76.6-124			
o-Xylene	0.099	0.002	"	0.100		98.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.7	70-130			

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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1301 - EPA 5030 (soil)

Matrix Spike (B8B1301-MS1)		Source: Y802030-01			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	0.100	0.002	mg/kg	0.100	ND	100	71.8-126			
Toluene	0.100	0.002	"	0.100	ND	100	65.1-130			
Ethylbenzene	0.102	0.002	"	0.100	ND	102	62.2-130			
m,p-Xylene	0.212	0.004	"	0.200	ND	106	46.5-137			
o-Xylene	0.101	0.002	"	0.100	0.0003	101	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	70-130			

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Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1301 - EPA 5030 (soil)

Matrix Spike Dup (B8B1301-MSD1)		Source: Y802030-01			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	0.109	0.002	mg/kg	0.100	ND	109	71.8-126	8.71	11.3	
Toluene	0.106	0.002	"	0.100	ND	106	65.1-130	5.59	15.4	
Ethylbenzene	0.104	0.002	"	0.100	ND	104	62.2-130	1.61	19.6	
m,p-Xylene	0.211	0.004	"	0.200	ND	106	46.5-137	0.378	19.2	
o-Xylene	0.104	0.002	"	0.100	0.0003	104	54.2-134	2.30	17.9	
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	70-130			

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Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1206 - EPA 3550B

Blank (B8B1206-BLK1)

Prepared: 02/12/2018 Analyzed: 02/12/2018

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	44		"	50.0		87.6	59-131			

LCS (B8B1206-BS1)

Prepared: 02/12/2018 Analyzed: 02/12/2018

Diesel (C10-C28)	907	50.0	mg/kg	1000		90.7	64-121			
Residual Range Organics (C28-C40)	833	200	"	1000		83.3	58-124			
Surrogate: o-Terphenyl	43		"	50.0		86.5	59-131			

Matrix Spike (B8B1206-MS1)

Source: Y802123-01

Prepared: 02/12/2018 Analyzed: 02/12/2018

Diesel (C10-C28)	1300	50.0	mg/kg	1000	380	92.3	53-125			
Residual Range Organics (C28-C40)	953	200	"	1000	96.5	85.6	47-133			
Surrogate: o-Terphenyl	52		"	50.0		104	59-131			

Matrix Spike Dup (B8B1206-MSD1)

Source: Y802123-01

Prepared: 02/12/2018 Analyzed: 02/12/2018

Diesel (C10-C28)	1260	50.0	mg/kg	1000	380	87.7	53-125	5.06	20	
Residual Range Organics (C28-C40)	883	200	"	1000	96.5	78.7	47-133	8.42	20	
Surrogate: o-Terphenyl	47		"	50.0		93.0	59-131			

Batch B8B1302 - EPA 3550B

Blank (B8B1302-BLK1)

Prepared: 02/13/2018 Analyzed: 02/13/2018

Origins Laboratory, Inc.



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Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Extractable Petroleum Hydrocarbons by 8015C - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1302 - EPA 3550B										
Blank (B8B1302-BLK1)					Prepared: 02/13/2018 Analyzed: 02/13/2018					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	42		"	50.0		84.8	59-131			
LCS (B8B1302-BS1)					Prepared: 02/13/2018 Analyzed: 02/13/2018					
Diesel (C10-C28)	945	50.0	mg/kg	1000		94.5	64-121			
Residual Range Organics (C28-C40)	896	200	"	1000		89.6	58-124			
Surrogate: o-Terphenyl	48		"	50.0		95.3	59-131			
Matrix Spike (B8B1302-MS1)					Source: Y802167-03		Prepared: 02/13/2018 Analyzed: 02/13/2018			
Diesel (C10-C28)	880	50.0	mg/kg	1000	ND	88.0	53-125			
Residual Range Organics (C28-C40)	804	200	"	1000	8.34	79.5	47-133			
Surrogate: o-Terphenyl	45		"	50.0		89.9	59-131			
Matrix Spike Dup (B8B1302-MSD1)					Source: Y802167-03		Prepared: 02/13/2018 Analyzed: 02/13/2018			
Diesel (C10-C28)	926	50.0	mg/kg	1000	ND	92.6	53-125	5.18	20	
Residual Range Organics (C28-C40)	870	200	"	1000	8.34	86.2	47-133	8.06	20	
Surrogate: o-Terphenyl	48		"	50.0		96.0	59-131			

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Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8B1209 - NO PREP										
Duplicate (B8B1209-DUP1)		Source: Y802165-01			Prepared: 02/12/2018 Analyzed: 02/12/2018					
pH	8.42		pH Units		8.62			2.35	25	
Batch B8B1210 - NO PREP										
Blank (B8B1210-BLK1)		Prepared: 02/12/2018 Analyzed: 02/12/2018								
Specific Conductance (EC)	0.00410		mmhos/cm							
Duplicate (B8B1210-DUP1)		Source: Y802165-01			Prepared: 02/12/2018 Analyzed: 02/12/2018					
Specific Conductance (EC)	0.221		mmhos/cm		0.220			0.499	25	
Batch B8B1303 - NO PREP										
Duplicate (B8B1303-DUP1)		Source: Y802167-03			Prepared: 02/13/2018 Analyzed: 02/13/2018					
pH	8.31		pH Units		8.49			2.14	25	
Batch B8B1304 - NO PREP										
Blank (B8B1304-BLK1)		Prepared: 02/12/2018 Analyzed: 02/12/2018								
Specific Conductance (EC)	0.00410		mmhos/cm							
Duplicate (B8B1304-DUP1)		Source: Y802167-03			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Specific Conductance (EC)	0.0953		mmhos/cm		0.0991			3.91	25	

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6899 Pecos Street, Unit C

Denver CO 80211

Bob Cornez

Project Number: [none]

Project: KMG - Sekich Farms 16-18

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



February 14, 2018

Tasman Geosciences

Bob Cornez

6899 Pecos Street, Unit C

Denver

CO 80211

Project Name - KMG - Sekich Farms 16-18

Project Number - [none]

Attached are your analytical results for KMG - Sekich Farms 16-18 received by Origins Laboratory, Inc. February 13, 2018. This project is associated with Origins project number Y802184-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Tasman Geosciences

6899 Pecos Street, Unit C

Denver CO 80211

Bob Cornez

Project Number: [none]

Project: KMG - Sekich Farms 16-18

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	Y802184-01	Water	February 13, 2018 14:45	02/13/2018 16:54

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

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page 1 of 1

ORIGINS LABORATORY, INC

Client: APC Project Manager/Send Report To: Robert Cornez

Address: 6899 Pecos Street, Unit C, Denver, CO 80211 Email Address: KMG@tasmangeo.com

Project Name/Number: Sekich Farms 16-18

Telephone Number: 303.265.9645 Samples Collected By: APC

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis/Method	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summng Container #			Other
G002	2-13-18	1445	3		X							BTEX 8060	1
												X	2
													3
													4
													5
													6
													7
													8
													9
													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
<u>APC</u>	<u>2-13-18</u>	<u>1654</u>	<u>[Signature]</u>	<u>2/13/18</u>	<u>1654</u>	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Paula Becille Naudon

Origins Laboratory, Inc.

Jefe Pellegrini

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1802184

Client: Tasman

Client Project ID: Imp. Sekich Farms 16-18

Checklist Completed by: [Signature]

Shipped Via: Hand Pick-up
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 2-13-18

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☒ Water ☐ Other: _____

Cooler Number/Temperature: ☒ 14.0 °C ☐ _____ °C ☐ _____ °C (Describe)

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 2-13-18

Origins Laboratory, Inc.

[Signature]

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

GW02
2/13/2018 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802184-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8B1307	02/13/2018	02/13/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

Blank (B8B1307-BLK1)

Prepared: 02/13/2018 Analyzed: 02/13/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	84-114			

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

Blank (B8B1307-BLK2)

Prepared: 02/13/2018 Analyzed: 02/13/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	106		84-121			
Surrogate: Toluene-d8	62		"	62.5	98.7		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.1		84-114			

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

LCS (B8B1307-BS1)

Prepared: 02/13/2018 Analyzed: 02/13/2018

Benzene	51.1	1.00	ug/L	50.0	102	73.3-129
Toluene	50.0	1.00	"	50.0	100	76.2-123
Ethylbenzene	48.5	1.00	"	50.0	97.1	73.6-130
m,p-Xylene	93.7	2.00	"	100	93.7	76.1-126
o-Xylene	45.2	1.00	"	50.0	90.5	76.6-124
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5	101	84-121
Surrogate: Toluene-d8	64		"	62.5	102	85-115
Surrogate: 4-Bromofluorobenzene	63		"	62.5	100	84-114

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6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

LCS (B8B1307-BS2)

Prepared: 02/13/2018 Analyzed: 02/13/2018

Benzene	51.2	1.00	ug/L	50.0		102	73.3-129			
Toluene	49.8	1.00	"	50.0		99.5	76.2-123			
Ethylbenzene	51.3	1.00	"	50.0		103	73.6-130			
m,p-Xylene	102	2.00	"	100		102	76.1-126			
o-Xylene	51.0	1.00	"	50.0		102	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.8	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	84-114			

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

Matrix Spike (B8B1307-MS1)		Source: Y802155-05			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	52.5	1.00	ug/L	50.0	ND	105	74-130			
Toluene	51.8	1.00	"	50.0	ND	104	73-131			
Ethylbenzene	49.5	1.00	"	50.0	ND	99.0	76-132			
m,p-Xylene	96.9	2.00	"	100	ND	96.9	69-139			
o-Xylene	46.4	1.00	"	50.0	ND	92.8	74-131			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	84-114			

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Bob Cornez
Project Number: [none]
Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

Matrix Spike (B8B1307-MS2)		Source: Y802155-11			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	49.4	1.00	ug/L	50.0	ND	98.9	74-130			
Toluene	49.2	1.00	"	50.0	ND	98.4	73-131			
Ethylbenzene	47.4	1.00	"	50.0	0.200	94.4	76-132			
m,p-Xylene	105	2.00	"	100	5.84	99.6	69-139			
o-Xylene	45.3	1.00	"	50.0	ND	90.6	74-131			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		86.0	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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6899 Pecos Street, Unit C
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Bob Cornez
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Project: KMG - Sekich Farms 16-18

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

Matrix Spike Dup (B8B1307-MSD1)		Source: Y802155-05			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	50.2	1.00	ug/L	50.0	ND	100	74-130	4.40	20	
Toluene	49.1	1.00	"	50.0	ND	98.2	73-131	5.41	20	
Ethylbenzene	46.6	1.00	"	50.0	ND	93.3	76-132	5.97	20	
m,p-Xylene	90.8	2.00	"	100	ND	90.8	69-139	6.48	20	
o-Xylene	44.6	1.00	"	50.0	ND	89.3	74-131	3.87	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	84-121			
Surrogate: Toluene-d8	65		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	84-114			

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Bob Cornez
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Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8B1307 - EPA 5030B (Water)

Matrix Spike Dup (B8B1307-MSD2)		Source: Y802155-11			Prepared: 02/13/2018 Analyzed: 02/13/2018					
Benzene	50.3	1.00	ug/L	50.0	ND	101	74-130	1.76	20	
Toluene	49.6	1.00	"	50.0	ND	99.2	73-131	0.769	20	
Ethylbenzene	46.8	1.00	"	50.0	0.200	93.2	76-132	1.27	20	
m,p-Xylene	102	2.00	"	100	5.84	96.4	69-139	3.09	20	
o-Xylene	44.4	1.00	"	50.0	ND	88.7	74-131	2.14	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.8	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.4	84-114			

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Tasman Geosciences

6899 Pecos Street, Unit C

Denver CO 80211

Bob Cornez

Project Number: [none]

Project: KMG - Sekich Farms 16-18

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President