

# **THIRD QUARTER 2019 SITE MONITORING DATA**

## **SULLIVAN 3-1**

COGCC SPILL TRACKING # 451307

COGCC REMEDIATION # 12297

Prepared for:



5400 West 11th  
Street, Suite C  
Greeley, CO 80634

Prepared by:



6855 W 119th Avenue  
Broomfield, CO, 80020

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
**SRC ENERGY, INC. - SULLIVAN 3-1**

Monitoring Well ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft. BTOC)	Depth to Water (ft. BTOC)	Depth to LNAPL (ft. BTOC)	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
BH01	01/31/18	4887.25	18.16	7.70	ND	ND	4879.55
BH01	01/10/19	4887.25	18.20	8.41	ND	ND	4878.84
BH01	04/30/19	4887.25	18.25	7.64	ND	ND	4879.61
BH01	07/23/19	4887.25	18.19	6.48	ND	ND	4880.77
BH02	01/31/18	4887.34	18.15	7.69	ND	ND	4879.65
BH02	01/10/19	4887.34	18.18	8.33	ND	ND	4879.01
BH02	04/30/19	4887.34	18.24	7.59	ND	ND	4879.75
BH02	07/23/19	4887.34	18.21	6.52	ND	ND	4880.82
BH03	01/31/18	4887.83	18.15	8.27	ND	ND	4879.56
BH03	01/10/19	4887.83	18.12	9.00	ND	ND	4878.83
BH03	04/30/19	4887.83	18.12	8.23	ND	ND	4879.60
BH03	07/23/19	4887.83	18.10	7.04	ND	ND	4880.79
BH04	01/31/18	4888.13	17.76	8.22	ND	ND	4879.91
BH04	01/10/19	4888.13	17.81	8.06	ND	ND	4880.07
BH04	04/30/19	4888.13	17.86	8.17	ND	ND	4879.96
BH04	07/23/19	4888.13	17.81	7.18	ND	ND	4880.95
BH05	01/31/18	4888.51	18.42	8.65	ND	ND	4879.86
BH05	01/10/19	4888.51	18.47	9.37	ND	ND	4879.14
BH05	04/30/19	4888.51	18.49	8.69	ND	ND	4879.82
BH05	07/23/19	4888.51	18.45	7.65	ND	ND	4880.86
BH06	01/31/18	4887.70	14.85	8.05	ND	ND	4879.65
BH06	01/10/19	4887.70	14.81	8.74	ND	ND	4878.96
BH06	04/30/19	4887.70	14.57	7.98	ND	ND	4879.72
BH06	07/23/19	4887.70	14.57	6.76	ND	ND	4880.94

ft. = Feet

AMSL = Above mean sea level

BTOC = Below top of casing

LNAPL = Light non-aqueous phase liquid

ND = No LNAPL detected

\* Groundwater elevation was corrected for product thickness (when present) using the following calculation:

Groundwater elevation = (TOC Elevation - Measured Depth to Water)+(LNAPL Thickness in Well x LNAPL Relative Density)

LNAPL relative density was estimated to be approximately 0.75

**TABLE 2**  
**GROUNDWATER ANALYTICAL DATA**  
**SRC ENERGY, INC. - SULLIVAN 3-1**

Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>COGCC Standard</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>
BH01	01/31/18	<1.0	<1.0	<1.0	<2.0
BH01	01/10/19	<1.0	<1.0	<1.0	<1.0
BH01	04/30/19	<1.0	<1.0	<1.0	<1.0
BH01	07/23/19	<1.0	<1.0	<1.0	<1.0
BH02	01/31/18	<1.0	<1.0	<1.0	<2.0
BH02	01/10/19	<1.0	<1.0	<1.0	<1.0
BH02	04/30/19	<1.0	<1.0	<1.0	<1.0
BH02	07/23/19	<1.0	<1.0	<1.0	<1.0
BH03	01/31/18	<1.0	<1.0	<1.0	<2.0
BH03	01/10/19	<1.0	<1.0	<1.0	<1.0
BH03	04/30/19	<1.0	<1.0	<1.0	<1.0
BH03	07/23/19	<1.0	<1.0	<1.0	<1.0
BH04	01/31/18	<1.0	<1.0	<1.0	<2.0
BH04	01/10/19	<1.0	<1.0	<1.0	<1.0
BH04	04/30/19	<1.0	<1.0	<1.0	<1.0
BH04	07/23/19	<1.0	<1.0	<1.0	<1.0
BH05	01/31/18	<1.0	<1.0	<1.0	<2.0
BH05	01/10/19	<1.0	<1.0	<1.0	<1.0
BH05	04/30/19	<1.0	<1.0	<1.0	<1.0
BH05	07/23/19	<1.0	<1.0	<1.0	<1.0
BH06	01/31/18	62	<1.0	5.0	7.3
BH06	01/10/19	<1.0	<1.0	<1.0	<1.0
BH06	04/30/19	1.57	<1.0	<1.0	<1.0
BH06	07/23/19	1.74	<1.0	<1.0	<1.0

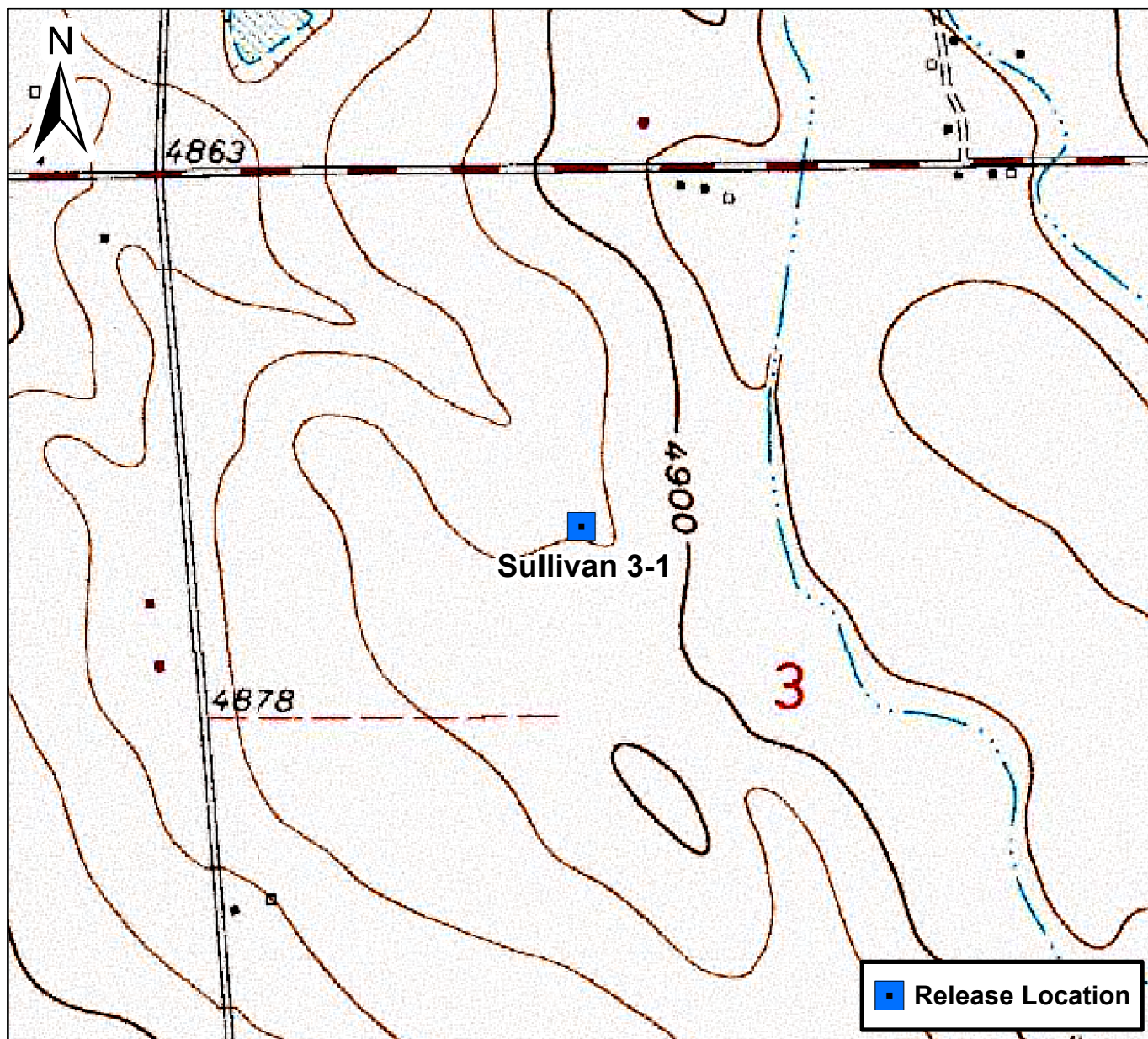
COGCC = Colorado Oil and Gas Conservation Commission

µg/L = Micrograms per liter

< = Analytical result is less than the indicated laboratory reporting limit

Groundwater standards referenced from COGCC Table 910-1

Highlighted results are equal to or exceed the COGCC Table 910-1 standard



0 750 1,500 Feet

## Figure 1

Site Location Map

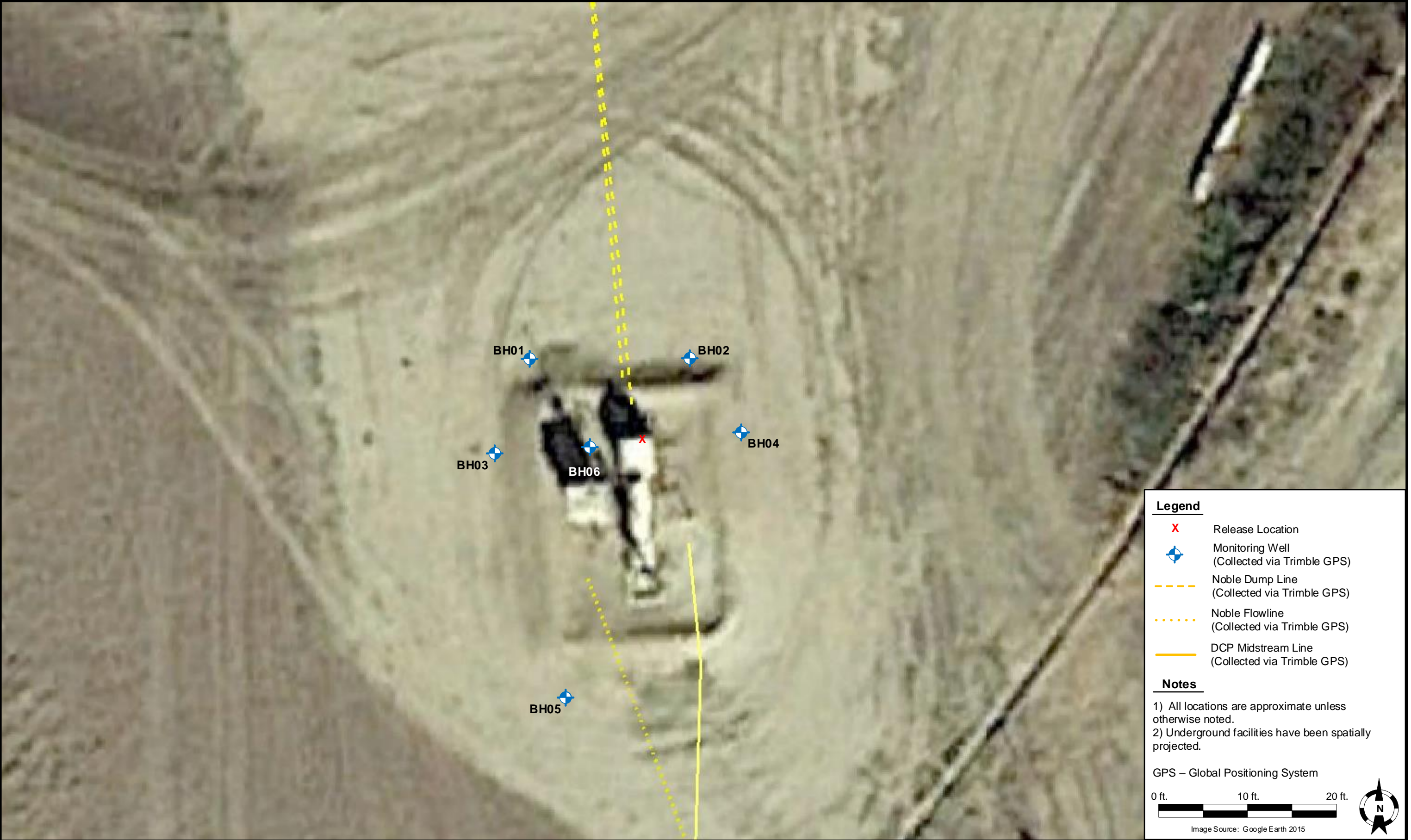
Sullivan 3-1


SEW S3 T6N R66W

Weld County, Colorado

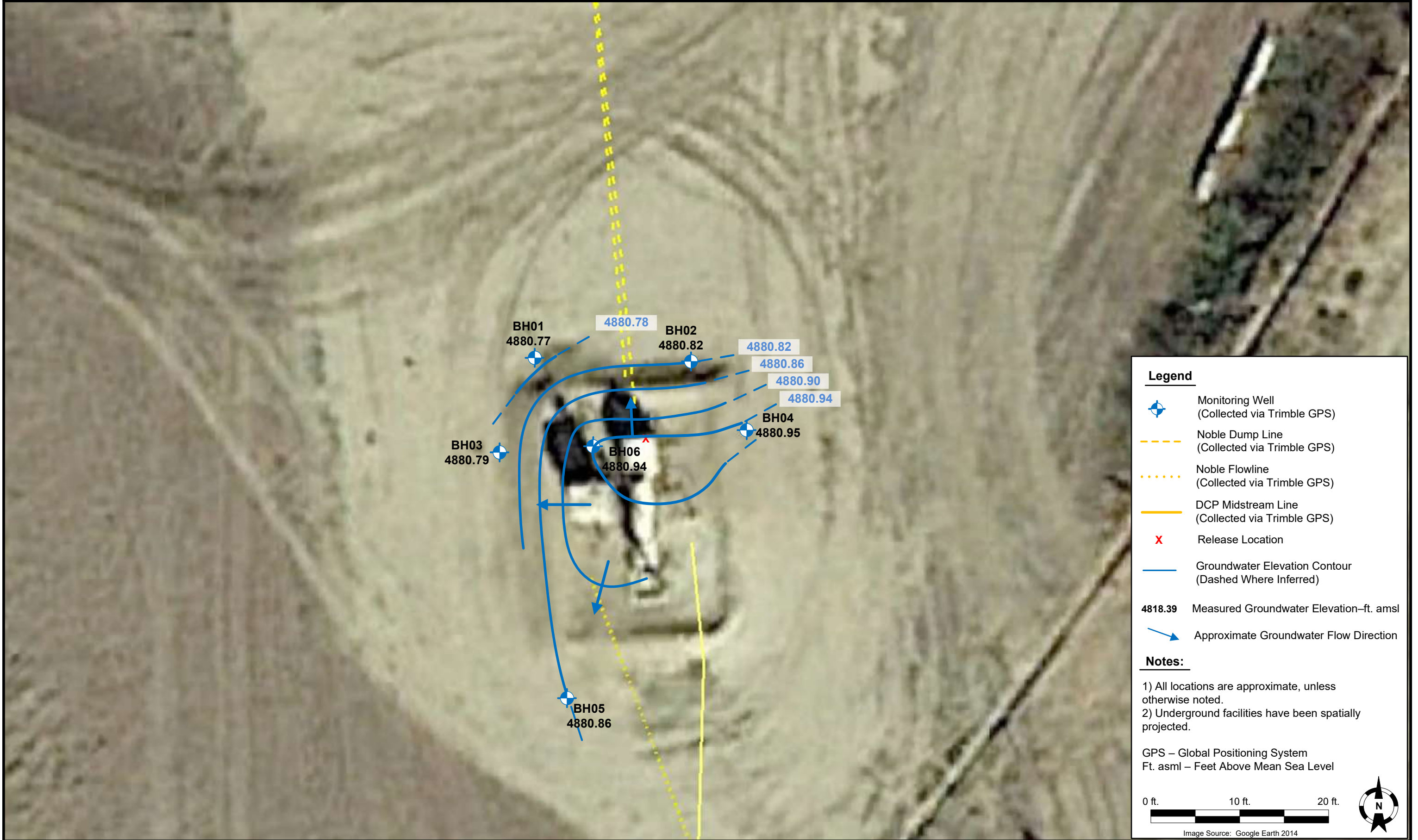




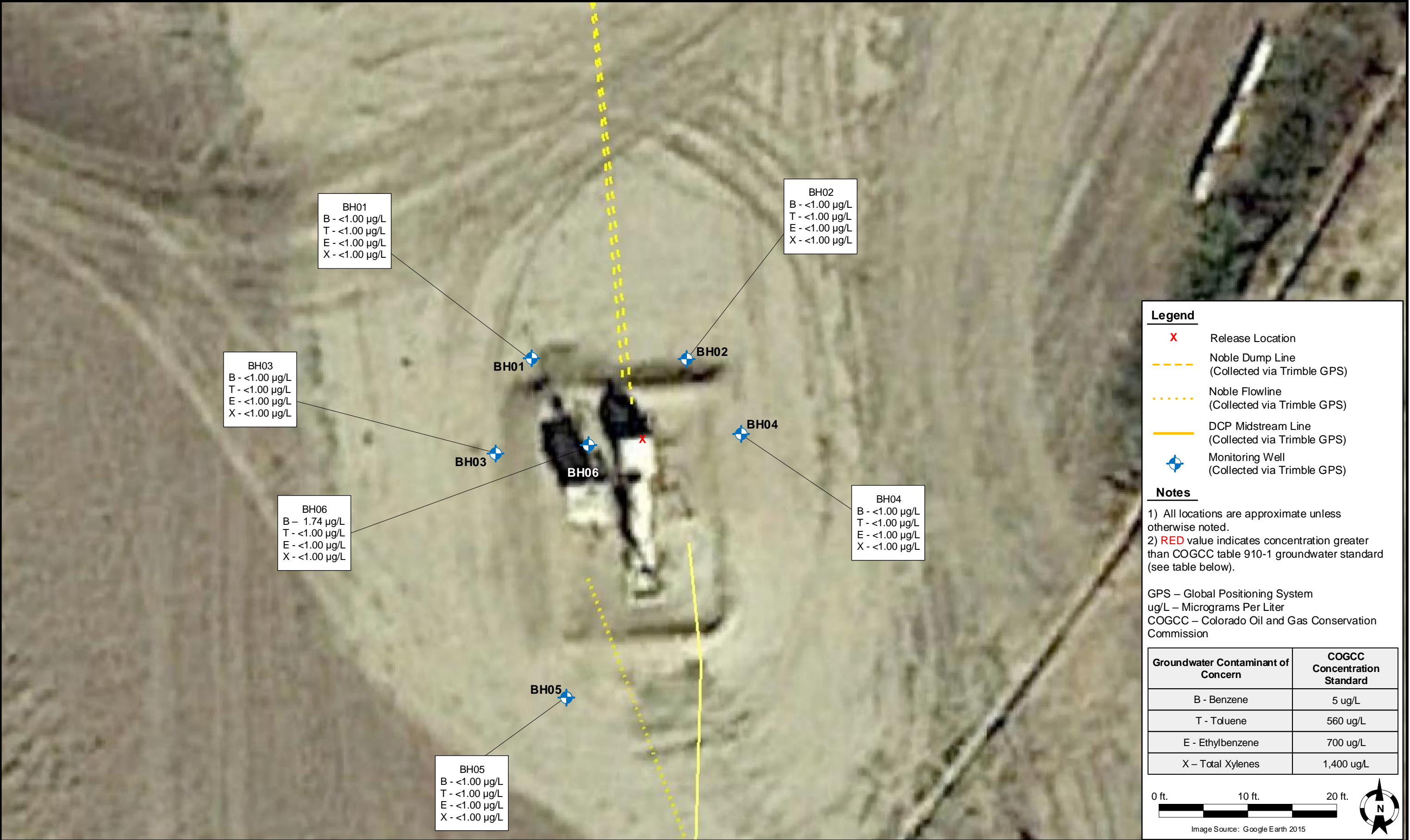


DATE: 8/8/2019	 <div>Tasman Geosciences, Inc. 6899 Pecos Street – Unit C Denver, CO 80221</div>	SRC Energy – DJ Basin Sullivan 3-1 SENW, Section 3, Township 6 North, Range 66 West Weld County, Colorado	Site Overview Map	FIGURE 2
DESIGNED BY: JW				
DRAWN BY: TC				









July 29, 2019

Tasman Geosciences

Brandon Bruns

6899 Pecos Street, Unit C

Denver

CO 80211

**Project Name - SRC - Sullivan 3-1****Project Number - [none]**

Attached are your analytical results for SRC - Sullivan 3-1 received by Origins Laboratory, Inc. July 23, 2019. This project is associated with Origins project number Y907360-01.

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

Brandon Bruns

Project Number: [none]

Project: SRC - Sullivan 3-1

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01 - 072319	Y907360-01	Water	July 23, 2019 12:35	07/23/2019 15:03
BH02 - 072319	Y907360-02	Water	July 23, 2019 12:53	07/23/2019 15:03
BH03 - 072319	Y907360-03	Water	July 23, 2019 12:52	07/23/2019 15:03
BH04 - 072319	Y907360-04	Water	July 23, 2019 12:33	07/23/2019 15:03
BH05 - 072319	Y907360-05	Water	July 23, 2019 13:04	07/23/2019 15:03
BH06 - 072319	Y907360-06	Water	July 23, 2019 13:10	07/23/2019 15:03

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

www.originslaboratory.com

4907360

ORIGINS  
LABORATORY, INC

page 1 of 1

Client: SRC / Tasman  
Address: 6855 W. 119th Ave. Broomfield CO, 80020  
Telephone Number: 484-794-3328  
Email Address: dcastron@srcenergy.com / bbruns@tasman-geo.com

Project Manager: Brandon Bruns / Dave Castro  
Project Name: Sullivan 3-1  
Project Number: n/a  
Samples Collected By: Alison D.W.

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #		
BH01 - 072319	7/23/19	1235	3	X				X			BTEX	1
BH02 - 072319		1253										2
BH03 - 072319		1252										3
BH04 - 072319		1233										4
BH05 - 072319		1304										5
BH06 - 072319		1310										6
												7
												8
												9
												10
Relinquished By: <i>Mir Dahl</i>	Date: 7/23/2019	Time: 1503	Received By: <i>[Signature]</i>	Date: 7/23/19	Time: 1503	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>						
Relinquished By:	Date:	Time:	Received By:	Date:	Time:							

1725 Elk Place

Denver, CO 80211

Phone: 303.433.1322

Fax: 303.265.9645

Relinquished By: *Alison D.W.*

Date: 7/23/2019

Time: 1503

Received By: *[Signature]*

Date: 7/23/19

Time: 1503

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☒

Date Results Needed

10.9

Origins Laboratory, Inc.

*Jefe Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President



Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 1907360

Client: Tasman

Client Project ID: Sullivan 3-1

Checklist Completed by: JG

Shipped Via: HD

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

Date/Time completed: 7/24 / 2019

Airbill #: N/A

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

Cooler Number/Temperature: 1 10.9 °C 1 °C 1 °C (Describe) °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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>Same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are short holding time analyses or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaOH, Na <sub>2</sub> CO <sub>3</sub> , Na <sub>2</sub> SO <sub>4</sub> , ZnAc <sub>2</sub> , NaOH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Additional Comments (if any):				

<sup>(1)</sup> 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) 90

Date/Time Reviewed 7/25/19

Origins Laboratory, Inc.

*Jefe Pellegrini*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**BH01 - 072319**

**7/23/2019 12:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y907360-01 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B9G2407	KDK	07/24/2019	07/25/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	99.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.7 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**BH02 - 072319**

**7/23/2019 12:53:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y907360-02 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B9G2407	KDK	07/24/2019	07/25/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.3 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**BH03 - 072319**

**7/23/2019 12:52:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y907360-03 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B9G2407	KDK	07/24/2019	07/25/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.8 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**BH04 - 072319**

**7/23/2019 12:33:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y907360-04 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B9G2407	KDK	07/24/2019	07/25/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**BH05 - 072319**

**7/23/2019 1:04:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y907360-05 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B9G2407	KDK	07/24/2019	07/25/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.7 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**BH06 - 072319**

**7/23/2019 1:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y907360-06 (Water)**

**BTEX by EPA 8260D**

Benzene	1.74	1.00	ug/L	1	B9G2407	KDK	07/24/2019	07/25/2019	
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.2 %	70-130			"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B9G2407 - EPA 5030B (Water)**

**Blank (B9G2407-BLK1)**

Prepared: 07/24/2019 Analyzed: 07/24/2019

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	62		"	62.5		99.3	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B9G2407 - EPA 5030B (Water)**

**LCS (B9G2407-BS1)**

Prepared: 07/24/2019 Analyzed: 07/24/2019

Benzene	49.7	1.00	ug/L	50.0		99.4	70-130			
Toluene	51.3	1.00	"	50.0		103	70-130			
Ethylbenzene	50.6	1.00	"	50.0		101	70-130			
m,p-Xylene	102	2.00	"	100		102	70-130			
o-Xylene	50.8	1.00	"	50.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.5	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B9G2407 - EPA 5030B (Water)**

Matrix Spike (B9G2407-MS1)		Source: Y907356-01			Prepared: 07/24/2019 Analyzed: 07/24/2019					
Benzene	54.9	1.00	ug/L	50.0	ND	110	70-130			
Toluene	55.7	1.00	"	50.0	ND	111	70-130			
Ethylbenzene	56.5	1.00	"	50.0	0.110	113	70-130			
m,p-Xylene	112	2.00	"	100	0.330	112	70-130			
o-Xylene	55.7	1.00	"	50.0	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.7	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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Brandon Bruns  
Project Number: [none]  
Project: SRC - Sullivan 3-1

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B9G2407 - EPA 5030B (Water)**

Matrix Spike Dup (B9G2407-MSD1)		Source: Y907356-01			Prepared: 07/24/2019 Analyzed: 07/24/2019					
Benzene	55.4	1.00	ug/L	50.0	ND	111	70-130	0.889	20	
Toluene	56.3	1.00	"	50.0	ND	113	70-130	1.05	20	
Ethylbenzene	57.2	1.00	"	50.0	0.110	114	70-130	1.20	20	
m,p-Xylene	113	2.00	"	100	0.330	113	70-130	0.506	20	
o-Xylene	55.8	1.00	"	50.0	ND	112	70-130	0.305	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.2	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Tasman Geosciences

6899 Pecos Street, Unit C

Denver CO 80211

Brandon Bruns

Project Number: [none]

Project: SRC - Sullivan 3-1

### 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