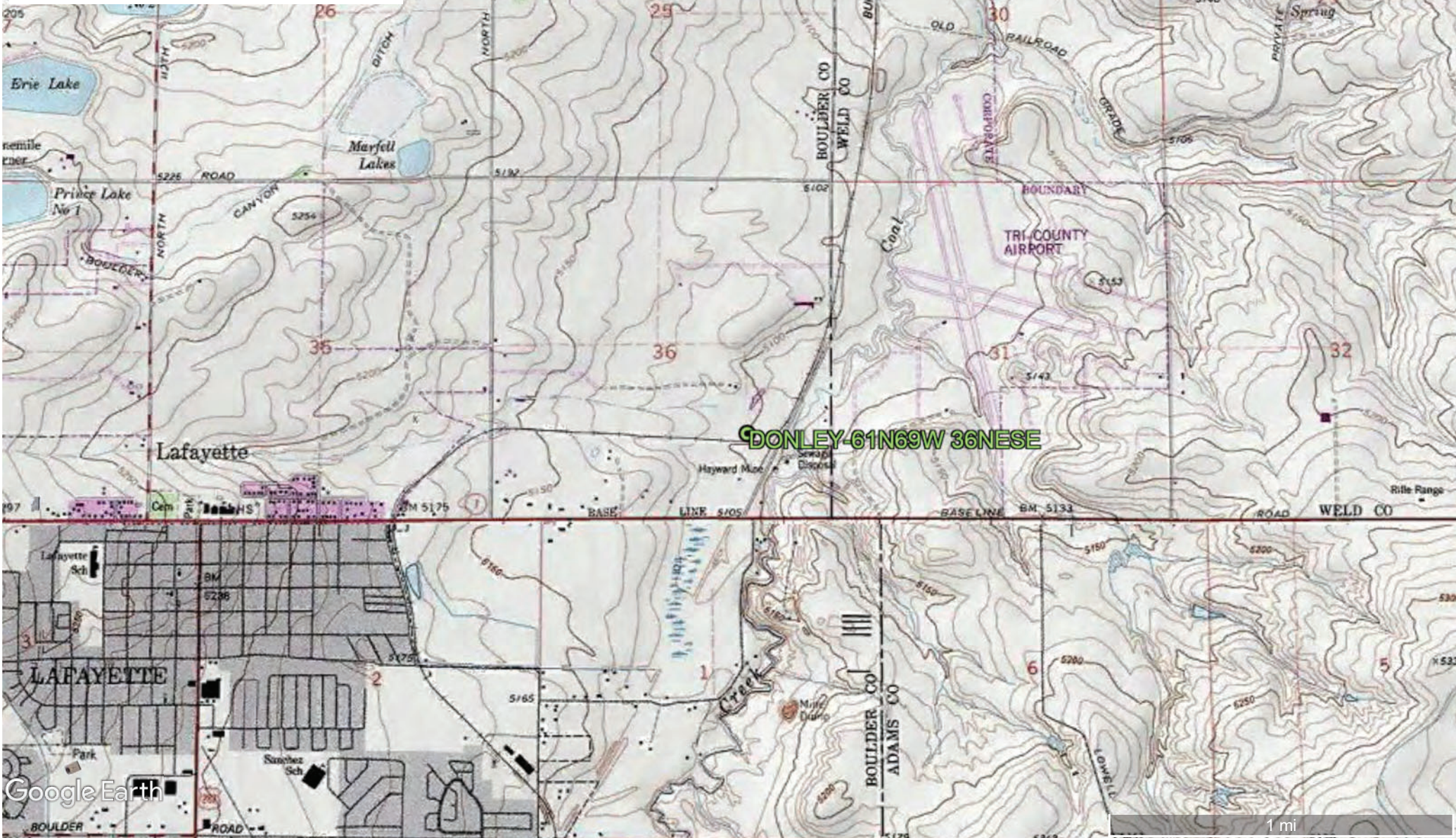
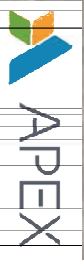
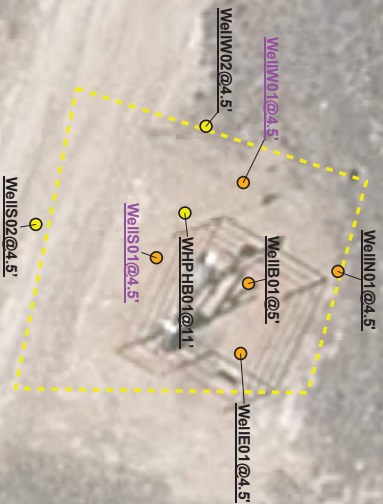




Topographic Location
Map
"Donley 2-36"





Civitas Resources, Inc.

Donley 2-36

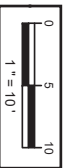
COGCC Location ID: 321345

Wellhead Excavation

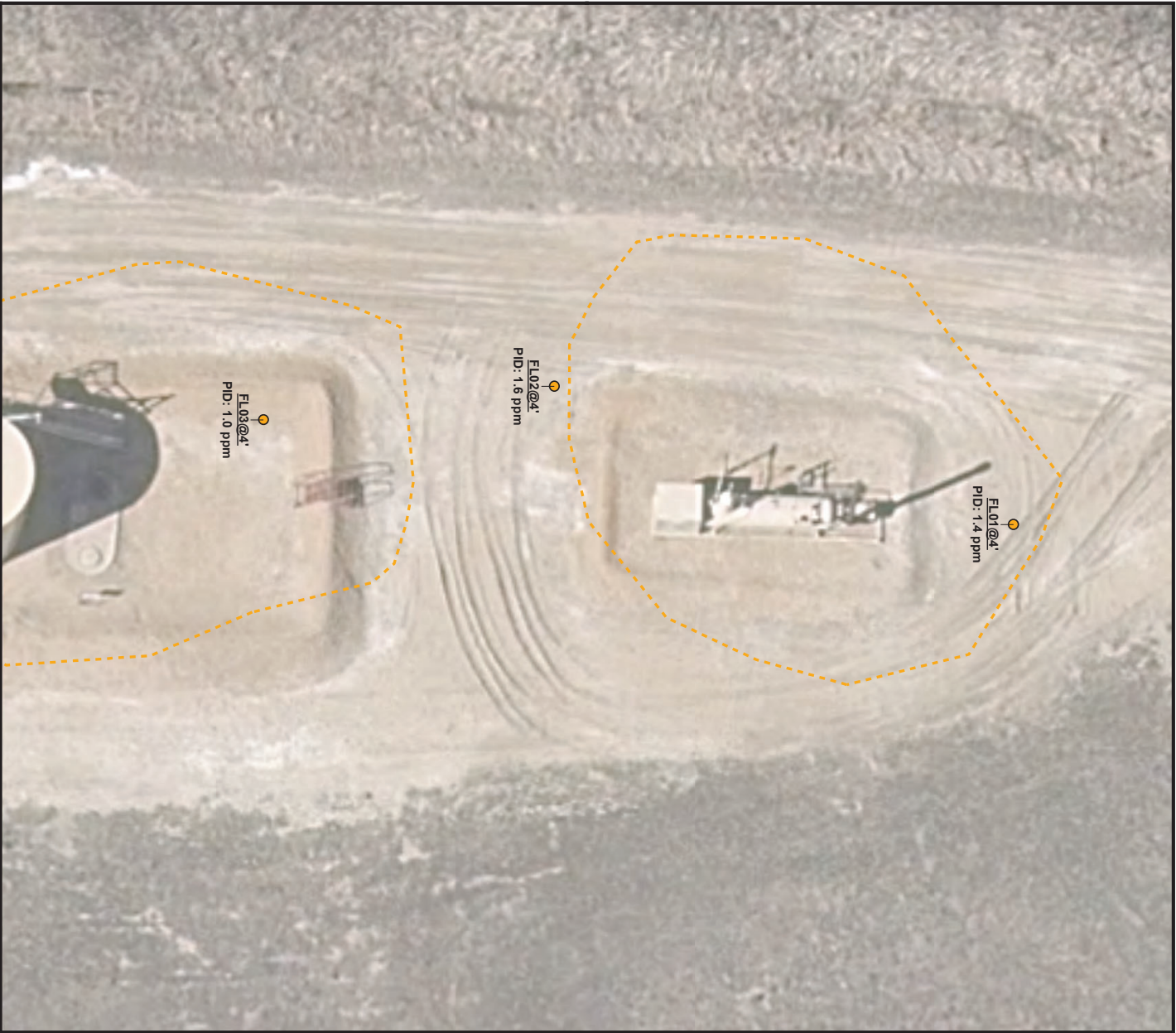
Legal Description: NESE, Sec. 36, T1N R69W
County: Boulder
Land Use: Non-cropland
Topography: 0-3% Slopes
Run-Off Risk: Low
Soil Type: Lacustrine/Organic complex
Recovering Materials: Hydrocarbon



- Soil Sample - Laboratory Analysis (7/26/2021)
- Soil Sample - Laboratory Analysis (11/9/2021)
- - - Excavation Extent (11/9/2021)
- * Sample ID in Purple font indicates a regulatory exceedance.



		Organic Compounds in Soil (mg/kg)										Soil Suitability for Remediation			
COGCC Allowable Concentration (Soil) <=		500	1,120 (0.025%UL)	490 (0.024%)	5,870 (2.64%)	59,970 (NA)	387,000 (18.1%)	277,000 (13.1%)	207,000 (9.8%)	19,540	52,500	6<=3.1	8<=7.1	6<=3.7	2
Site Specific Background <=															
Sample Date	Sample ID	TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)		
7/26/2021	WellB01@5'	0.5	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	2.93	17.6	8.35	0.637		
7/26/2021	WellN01@4.5'	749.0	<0.0030	<0.0030	<0.0030	<0.0030	0.0019	<0.0030	<0.0030	1.03	6.8	8.35	1.25		
7/26/2021	WellW01@4.5'	<10.0	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	1.40	14.4	8.5	1.25		
7/26/2021	WellS01@4.5'	100.0	<0.0030	<0.0030	<0.0030	<0.0030	0.00652	<0.0030	<0.0030	1.46	11.9	8.05	0.945		
7/26/2021	WellE01@4.5'	<10.0	<0.0030	<0.0030	<0.0030	<0.0030	0.00228	<0.0030	<0.0030	2.93	18.3	8.34	1.66		
11/9/2021	WellS02@4.5'	<10.0	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	1.48	11.6	8.08	1.02		
11/9/2021	WHPHB01@11'	<10.0	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	1.32	10.4	8.11	0.842		



Civitas Resources, Inc.

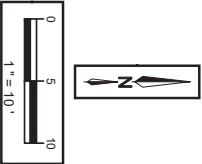
Donley 2-36

COGCC Location ID: 321345

Flowline Soil Samples

Legal Description: NESE, Sec 36, T1N R69W
County: Boulder
Land Use: Non-irrigated
Topography: 0-3% Slopes
Run-Off Risk: Low
Soil Type: Ascalante-Cienconchales
Receiving Waters: Wetland

- Soil Sample -
Field-Screen Only
(7/28/2021)
- - - Excavation Extent
(10/28/2021)



PID: photoionization detector value
ppm: parts per million

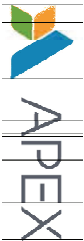
Sample ID	Latitude NAD83	Longitude NAD83
FL01@4'	40.004105	-105.060055
FL02@4'	40.003983	-105.060103
FL03@4'	40.003905	-105.060092



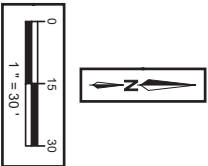
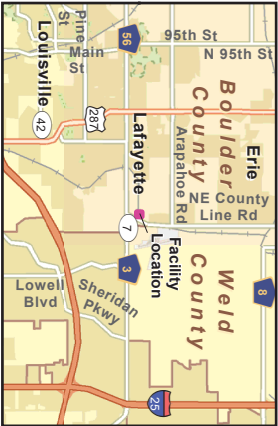
Civitas Resources, Inc.

Donley 2-36
COGCC Location ID: 321345
Background Soil Samples

Legal Description: NESE, Sec. 36, T1N R69W
County: Boulder
Land User: Non-cropland
Topography: 0-3% Slopes
Run-Off Risk: Low
Soil Type: Alseketa-Cotton complex
Receiving Waters: Wetland



- Background Sample (7/26/2021)
- Background Sample (8/13/2021)
- Background Sample (11/8/2021)
- Background Sample (11/9/2021)
- Other Samples
- Excavation Extent



COGCC Minimum Concentration (Boll) to		Soil Suitability for Remediation			
Site Specific Background (3)		04	46	86.831	2
Sample Date		11/9	52.5	8.71	6.17
Sample ID					
7/26/2021	BKG01@6	1.66	8.6	7.99	0.715
8/13/2021	BKG02@7	3.75	12.00	8.1	2.54
11/8/2021	EPH01@4	4.17	35.7	8.53	3.56
11/8/2021	EPH02@4	3.23	37.1	8.62	4.40
11/8/2021	EPH03@4	1.84	17.1	8.37	3.79
11/8/2021	EPH04@4	1.16	21.7	7.84	3.48
11/8/2021	SPH02@4	8.80	52.5	8.32	6.10
11/8/2021	EPH05@4	1.69	26.6	8.51	0.658
11/8/2021	NPH01@4	1.42	15.7	8.40	1.73
11/8/2021	NPH02@4	10.50	38.5	8.03	6.31
11/8/2021	NPH03@4	4.12	25.2	8.36	4.52
11/8/2021	WPH01@4	3.84	36.0	8.61	6.17
11/8/2021	WPH02@4	0.812	6.42	8.14	0.931
11/8/2021	WHPH01@5	9.13	31.30	8.35	4.34
11/8/2021	WHPH02@5	1.65	12.5	8.03	1.73
11/8/2021	WHPH03@5	1.65	20.2	8.40	3.10
11/8/2021	WHPH04@5	3.65	50.0	8.57	2.10
11/8/2021	WHPH05@5	1.01	19.1	8.71	0.880
11/8/2021	WHPH06@5	2.20	18.8	8.25	3.00
11/8/2021	WHPH08@5	2.32	19.0	8.25	3.71



Laboratory Results Summary Table - Groundwater

				Organic Compounds in Groundwater (µg/L)							Groundwater Inorganic Compounds		
COGCC Allowable Concentration (Water) -->				5	560 to 1000	700	1400 to 10000	140	67	67	<1.25 x local background	250 mg/L or <1.25 x local background	250 mg/L or <1.25 x local background
Site Specific Background -->													
Location	Sample Date	Location	Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Dissolved Solids (TDS) (mg/L)	Chloride Ion	Sulfate Ion
Donley 2-36	7/26/21	Wellhead	GW01@5'	5.64	32.9	8.48	59.2	<16.0	19.6	4.76	2120	150	439
Donley 2-36	8/18/21	PWV	PWVGW01@7'	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	4220	180	1760
Donley 2-36	8/18/21	Separator	SEPGW01@6'	<1.00	<1.00	1.21	<1.00	<4.00	4.06	<1.00	4390	116	2110
Donley 2-36	11/9/21	PWV	PWVGW02	<1.00	<1.00	<1.00	<1.00	<4.00	6.16	3.35	NA	NA	NA
Donley 2-36	11/9/21	Separator	SEPGW02	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	NA	NA	NA
Donley 2-36	11/9/21	Wellhead	WELLGW02	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	NA	NA	NA

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 exceedance; for toluene and total xylenes, MCL exceedance

Yellow Highlight - for toluene and total xylenes, health based exceedance

Grey Highlight - below laboratory detection limit

MCL - maximum contaminant level

NA - not analyzed

µg/L - micrograms per liter

mg/L - milligrams per liter

* - upgradient and/or background well(s)



Laboratory Results Summary Table

Donley 2-36

Wellhead Soil - Organics

			Organic Compounds in Soils (mg/kg)							
COGCC Allowable Concentration (Soil) -->			500	1.2/0.0026(M)	490/0.69(M)	5.8/0.78(M)	58/9.9(M)	30/0.0081(R)	27/0.0087(R)	2/0.0038(R)
Site Specific Background -->										
Location	Sample Date	Sample ID	TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene
Donley 2-36	7/26/2021	WellB01@5'	0.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
Donley 2-36	7/26/2021	WellW01@4.5'	749.0	<0.00200	<0.00200	<0.00200	<0.00200	0.00318	<0.00200	<0.00380
Donley 2-36	7/26/2021	WellN01@4.5'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
Donley 2-36	7/26/2021	WellS01@4.5'	100.0	<0.00200	<0.00200	<0.00200	0.00852	0.0183	0.00228	<0.00380
Donley 2-36	7/26/2021	WellE01@4.5'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
Donley 2-36	11/9/2021	WELLS02@4.5'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
Donley 2-36	11/9/2021	WELLW02@4.5'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table
Donley 2-36
Wellhead Soil - PAH

			Organic Compounds in Soils (mg/kg)													
COGCC Allowable Concentration (Soil) -->			360/0.55(R)	1800/5.8(R)	1.1/0.011(R)	1.1/0.3(R)	11/2.9(R)	0.11/0.24(M)	110/9(R)	0.11/0.096(R)	240/8.9(R)	240/0.54(R)	1.1/0.98(R)	18/0.006(R)	24/0.019(R)	180/1.3(R)
Site Specific Background -->																
Location	Sample Date	Sample ID	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Pyrene
Donley 2-36	11/9/2021	WELLS02@4.5'	<0.00067	<0.00067	<0.00067	0.000284	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Donley 2-36	11/9/2021	WELLW02@4.5'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table
Donley 2-36
Wellhead Soil - Inorganics

			Soil Suitability for Reclamation				Metals in Soils (mg/kg)									
COGCC Allowable Concentration (Soil) -->			<4	<6	(6-8.3)	2	0.68/0.29(M)	15000/82(M)	71/0.38(M)	0.3/0.00067(R)	3100/46(M)	400/14(M)	1500/26(R)	390/0.26(M)	390/0.8(R)	23000/370(R)
Site Specific Background -->			19.50	52.500	8.71	6.37	3.625	120.75				76.25		0.635		
Location	Sample Date	Sample ID	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Donley 2-36	7/26/2021	WellB01@5'	2.03	17.6	8.69	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	7/26/2021	WellW01@4.5'	1.03	6.8	8.16	0.637	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	7/26/2021	WellN01@4.5'	1.40	14.4	8.5	1.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	7/26/2021	WellS01@4.5'	1.46	11.9	8.05	0.945	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	7/26/2021	WellE01@4.5'	2.93	18.3	8.34	1.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WELL02@4.5'	1.48	11.6	8.08	1.02	0.366	5.14	<0.25	<5	0.997	1.64	1.25	0.184	0.0332	5.77
Donley 2-36	11/9/2021	WELL02@4.5'	1.32	10.4	8.11	0.842	0.713	7.55	<0.25	<2.5	1.42	1.12	1.36	0.147	<0.25	4.66
Donley 2-36	11/9/2021	WHBPH01@11'	NA	7.89	7.94	0.854	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table

Donley 2-36

Separator Soil - Organics

			Organic Compounds in Soils (mg/kg)							
COGCC Allowable Concentration (Soil) -->			500	1.2/0.0026(M)	490/0.69(M)	5.8/0.78(M)	58/9.9(M)	30/0.0081(R)	27/0.0087(R)	2/0.0038(R)
Site Specific Background -->										
Location	Sample Date	Sample ID	TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene
Donley 2-36	7/28/2021	SEP02@3'	39.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.0038
Donley 2-36	8/18/2021	SepB01@6'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
Donley 2-36	8/18/2021	SepB02@6'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
Donley 2-36	8/18/2021	SepN01@5'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.000749

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table
Donley 2-36
Separator Soil - PAH

			Organic Compounds in Soils (mg/kg)													
COGCC Allowable Concentration (Soil) -->			360/0.55(R)	1800/5.8(R)	1.1/0.011(R)	1.1/0.3(R)	11/2.9(R)	0.11/0.24(M)	110/9(R)	0.11/0.096(R)	240/8.9(R)	240/0.54(R)	1.1/0.98(R)	18/0.006(R)	24/0.019(R)	180/1.3(R)
Site Specific Background -->																
Location	Sample Date	Sample ID	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Pyrene
Donley 2-36	8/18/2021	SepB01@6'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000512	0.00102	<0.00067
Donley 2-36	8/18/2021	SepB02@6'	<0.00067	<0.00067	<0.00067	0.000303	<0.00067	<0.00067	0.000317	<0.00067	<0.00067	<0.00067	<0.00067	0.000535	0.00102	<0.00067
Donley 2-36	8/18/2021	SepN01@5'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000806	0.00165	<0.00067

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table

Donley 2-36

Separator Soil - Inorganics

			Soil Suitability for Reclamation				Metals in Soils (mg/kg)									
COGCC Allowable Concentration (Soil) -->			<4	<6	(6-8.3)	2	0.68/0.29(M)	15000/82(M)	71/0.38(M)	0.3/0.00067(R)	3100/46(M)	400/14(M)	1500/26(R)	390/0.26(M)	390/0.8(R)	23000/370(R)
Site Specific Background -->			19.50	52.500	8.71	6.37	3.625	120.75				76.25		0.635		
Location	Sample Date	Sample ID	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Donley 2-36	7/28/2021	SEP02@3'	4.63	12.0	7.96	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/18/2021	SepB01@6'	4.49	5.5	7.9	1.36	2.48	113	0.203	<1.04	12.7	11.2	11.9	0.37	0.0686	46.8
Donley 2-36	8/18/2021	SepB02@6'	8.98	14.4	8.26	2.52	2.22	94.3	0.274	<1.01	9.63	9.42	10.9	0.406	0.0383	42.6
Donley 2-36	8/18/2021	SepN01@5'	6.56	9.7	8	2.94	2.13	102	0.145	<1.01	10.2	9.79	10.3	0.399	0.0417	42.7
Donley 2-36	8/18/2021	SepS01@5'	0.98	3.6	8.27	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/18/2021	SepE01@5'	5.06	6.7	8.04	1.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/18/2021	SepW01@5'	7.51	10.5	8.02	2.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	9/29/2021	SEPB03@8.0'	3.24	17.7	NA	1.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	9/29/2021	SEPN02@5.0'	2.66	16.8	NA	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	9/29/2021	SEPS02@5.0'	3.81	20.3	NA	3.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	9/29/2021	SEPE02@5.0'	4.21	20.0	NA	3.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	9/29/2021	SEPW02@5.0'	5.14	20.8	NA	4.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	10/28/2021	SEPB04@9.5'	2.33	15.2	NA	1.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	10/28/2021	SEPN03@5'	9.28	17.1	NA	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	10/28/2021	SEPS03@5'	4.03	26.9	NA	3.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	10/28/2021	SEPE03@5'	5.40	7.7	NA	3.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	SEPBPH01@12'	1.51	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	10/28/2021	SEPW03@5'	3.05	20.6	NA	4.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table Donley

2-36

PWV Soil - Organics

			Organic Compounds in Soils (mg/kg)							
COGCC Allowable Concentration (Soil) -->			500	1.2/0.0026(M)	490/0.69(M)	5.8/0.78(M)	58/9.9(M)	30/0.0081(R)	27/0.0087(R)	2/0.0038(R)
Site Specific Background -->										
Location	Sample Date	Sample ID	TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene
Donley 2-36	7/28/2021	AST01@6"	40.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
Donley 2-36	7/28/2021	PWVB01@5'	1.1	0.00296	<0.00200	0.0167	0.00894	0.0215	0.0028	<0.00380
Donley 2-36	7/28/2021	PWVS01@4'	51.7	<0.00200	<0.00200	<0.00200	<0.00200	0.00212	<0.00200	<0.00380
Donley 2-36	8/16/2021	PWVB02@7'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
Donley 2-36	8/16/2021	PWVS02@4'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
Donley 2-36	8/16/2021	PWVN02@4'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
Donley 2-36	8/16/2021	PWVE02@4'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
Donley 2-36	8/16/2021	PWVW02@4'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table

Donley 2-36
PWV Soil - PAH

			Organic Compounds in Soils (mg/kg)													
COGCC Allowable Concentration (Soil) -->			360/0.55(R)	1800/5.8(R)	1.1/0.011(R)	1.1/0.3(R)	11/2.9(R)	0.11/0.24(M)	110/9(R)	0.11/0.096(R)	240/8.9(R)	240/0.54(R)	1.1/0.98(R)	18/0.006(R)	24/0.019(R)	180/1.3(R)
Site Specific Background -->																
Location	Sample Date	Sample ID	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Pyrene
Donley 2-36	8/16/2021	PWVB02@7'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Donley 2-36	8/16/2021	PWVS02@4'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00064	<0.00067

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table
Donley 2-36
PWV Soil - Inorganics

			Soil Suitability for Reclamation				Metals in Soils (mg/kg)									
COGCC Allowable Concentration (Soil) -->			<4	<6	(6-8.3)	2	0.68/0.29(M)	15000/82(M)	71/0.38(M)	0.3/0.00067(R)	3100/46(M)	400/14(M)	1500/26(R)	390/0.26(M)	390/0.8(R)	23000/370(R)
Site Specific Background -->			19.50	52.500	8.71	6.37	3.625	120.75				76.25		0.635		
Location	Sample Date	Sample ID	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Donley 2-36	7/28/2021	AST01@6"	0.71	3.4	8.15	0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	7/28/2021	PWVB01@5'	3.46	40.7	9.12	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	7/28/2021	PWVS01@4'	0.53	15.4	8.78	1.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/16/2021	PWVB02@7'	2.28	25.3	8.37	2.53	2.68	130	0.165	<1	14.2	12.3	15.9	0.477	0.0536	62.4
Donley 2-36	8/16/2021	PWVS02@4'	2.70	31.6	8.55	2.9	3.05	82.5	0.114	<0.52	9.58	9.35	10.3	0.458	0.0446	43.6
Donley 2-36	8/16/2021	PWVN02@4'	2.48	37.6	8.88	<0.199	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/16/2021	PWVE02@4'	1.04	44.9	8.86	3.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/16/2021	PWVW02@4'	2.56	24.0	8.31	3.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	9/29/2021	PWVB03@8.5'	2.58	19.8	8.31	NA	3.1	96.4	0.112	<0.244	12	11.6	14	0.396	0.0466	48.5
Donley 2-36	9/29/2021	PWVN03@5.5'	1.51	19.4	8.6	NA	3.48	109	0.0952	<0.488	9.55	10.2	11.7	0.38	0.0367	40.8
Donley 2-36	9/29/2021	PWVS03@5.5'	1.16	20.0	8.77	NA	2.83	97.1	0.0859	<0.244	12.2	11.1	12.8	0.368	0.0542	52.7
Donley 2-36	9/29/2021	PWVE03@5.5'	1.47	33.5	8.95	NA	3.41	136	0.11	<0.488	10.6	11.3	13.4	0.318	0.043	45.3
Donley 2-36	9/29/2021	PWVW03@5.5'	6.23	34.9	8.52	NA	2.71	105	0.0968	<0.52	10.4	10	11.9	0.379	0.0439	46
Donley 2-36	10/28/2021	PWVB04@9.5'	2.59	26.8	8.5	NA	2.38	94.4	0.171	<0.503	10.1	9.75	10.9	0.358	0.0418	41.7
Donley 2-36	10/28/2021	PWVN04@5'	1.29	11.8	8.34	NA	2.37	87.9	0.186	<0.5	6.05	7.84	8.67	0.412	0.0448	29.7
Donley 2-36	10/28/2021	PWVS04@5'	3.18	30.6	8.77	NA	2.5	109	0.172	<1.01	9.85	10.2	11	0.323	0.0428	47.2
Donley 2-36	10/28/2021	PWVE04@5'	3.12	2.4	7.52	NA	2.42	106	0.154	<2.51	11	9.84	11.8	0.339	0.0415	47
Donley 2-36	10/28/2021	PWVW04@5'	2.50	21.9	8.31	NA	2.77	125	0.209	<1	11.5	10.5	13.2	0.318	0.048	46.7
Donley 2-36	11/8/2021	PWVBH01@12'	NA	15.4	8.24	1.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table

Donley 2-36

Background Soil - Inorganics

			Soil Suitability for Reclamation				Metals in Soils (mg/kg)									
COGCC Allowable Concentration (Soil) -->			<4	<6	(6-8.3)	2	0.68/0.29(M)	15000/82(M)	71/0.38(M)	0.3/0.00067(R)	3100/46(M)	400/14(M)	1500/26(R)	390/0.26(M)	390/0.8(R)	23000/370(R)
Site Specific Background -->			19.50	52.500	8.71	6.37	3.625	120.75				76.25		0.635		
Location	Sample Date	Sample ID	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
Donley 2-36	11/9/2021	WHPHN01@5'	0.812	6.42	8.14	0.921	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHN02@5'	3.13	21.30	8.35	4.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHE01@5'	1.05	7.25	8.03	1.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHE02@5'	1.66	20.2	8.40	3.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHS01@5'	3.65	50.0	8.57	2.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHS02@5'	1.01	19.1	8.71	0.380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHW01@5'	2.00	18.8	8.25	2.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/9/2021	WHPHW02@5'	2.32	19.0	8.25	3.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	EPH01@4'	4.17	35.7	8.53	3.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	EPH02@4'	3.23	37.1	8.62	4.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	WPH02@4'	1.84	17.1	8.37	2.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	SPH01@4'	11.6	21.7	7.84	3.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	SPH02@4'	8.80	52.5	8.32	6.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	EPH03@4'	1.69	26.6	8.51	0.658	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	EPH04@4'	1.42	15.7	8.40	1.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	NPH01@4'	19.50	38.5	8.03	6.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	NPH02@4	4.12	25.2	8.36	4.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	11/8/2021	WPH01@4'	3.94	36.0	8.61	6.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Donley 2-36	8/13/2021	BKG02@7'	3.73	12.0	8.1	2.54	2.36	96.6	0.193	<1	10.2	10.3	10.5	0.508	0.0456	43.7
Donley 2-36	7/26/2021	BKG01@6'	1.66	8.6	7.99	0.715	2.9	71.9	0.0882	<0.502	9.36	61	9.38	0.506	0.0545	63.7

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Description:

BKG01@6'



Description:

WellN01@4.5'



Description:

WellS01@4.5'



Latitude: 40.004322
Longitude: -105.059628
Elevation: 1561.55±8 m
Accuracy: 8.7 m
Azimuth: 255° (W)
Pitch: -31.4° (-0.9°)
Time: 07-26-2021 15:22
Note: W01

Description:

WellW01@4.5'



Description:

WellB01@5'



Description:

WellE01@4.5'



Description:

GW01



Description:

FL01@4'



Description:

SEP01@4'



Description:

SEP02@5'



Description:

FL02@4'



Description:

FL03@4'



Description:

PWVB01@5'



Description:

PWVE01@4'



Description:

PWVW01@4'



Description:

PWVN01@4'





Description:

AST02@6"



Latitude: 40.003974
Longitude: -105.060145
Elevation: 1559.85±5 m
Accuracy: 13.7 m
Azimuth: 359° (N)
Pitch: -61.6° (-1.7°)
Time: 08-13-2021 14:18
Note: SEP03

Description:

SEP03@7'



Description:

PWVE02@4'



Description:

PWVN02@4'



Description:

PWVW02@4'



Description:

PWVS02@4'



Description:

PWVB02@7'



Description:

SEPW01@5'



Description:

SWPS01@5'



Description:

SEPE01@5'



Description:

SEPB01@6'



Description:

SEPB02@6'



Description:

SEPGW01



Latitude: 40.004068
Longitude: -105.060149
Elevation: 1551.55±6 m
Accuracy: 19.4 m
Azimuth: 247° (SW)
Pitch: 23.9° (-4.1°)
Time: 08-18-2021 16:19
Note: SEPN01

Description:

SEPN01@5'



Description:

PWVGW01



Description:

PWVB03@8'



Description:

PWVE03@5.5'



Description:

PWVN03@5.5'



Description:

PWVS03@5.5'



Description:

PWWW03@5.5'



Description:

SEPB03@8'



Description:

SEPE02@5'



Description:

SEPN02@5'



Description:

SEPS02@5'



Description:

SEPW02@5'



Description:

PWVW04@5'



Latitude: 40.00376
Longitude: -105.059822
Elevation: 1558.4±6 m
Accuracy: 13.5 m
Azimuth: 334° (NW)
Pitch: -18.0° (0.8°)
Time: 10-28-2021 10:46
Note: PWVN04@5'

Description:

PWVN04@5'



Latitude: 40.003763
Longitude: -105.059918
Elevation: 1557.72±7 m
Accuracy: 12.9 m
Azimuth: 355° (N)
Pitch: -32.8° (-1.0°)
Time: 10-28-2021 10:46
Note: PWVB04@9.5'

Description:

PWVB04@9.5'



Latitude: 40.003841
Longitude: -105.0601
Elevation: 1553.3±4 m
Accuracy: 5.9 m
Azimuth: 134° (SE)
Pitch: -23.1° (-1.1°)
Time: 10-28-2021 10:47
Note: PWVS04@5'

Description:

PWVS04@5'



Latitude: 40.003951
Longitude: -105.060164
Elevation: 1552.97±7 m
Accuracy: 14.1 m
Azimuth: 359° (N)
Pitch: -13.5° (-0.6°)
Time: 10-28-2021 10:47
Note: SEPN03@5'

Description:

SEPN03@5'





Description:

SEPW03@5'



Description:

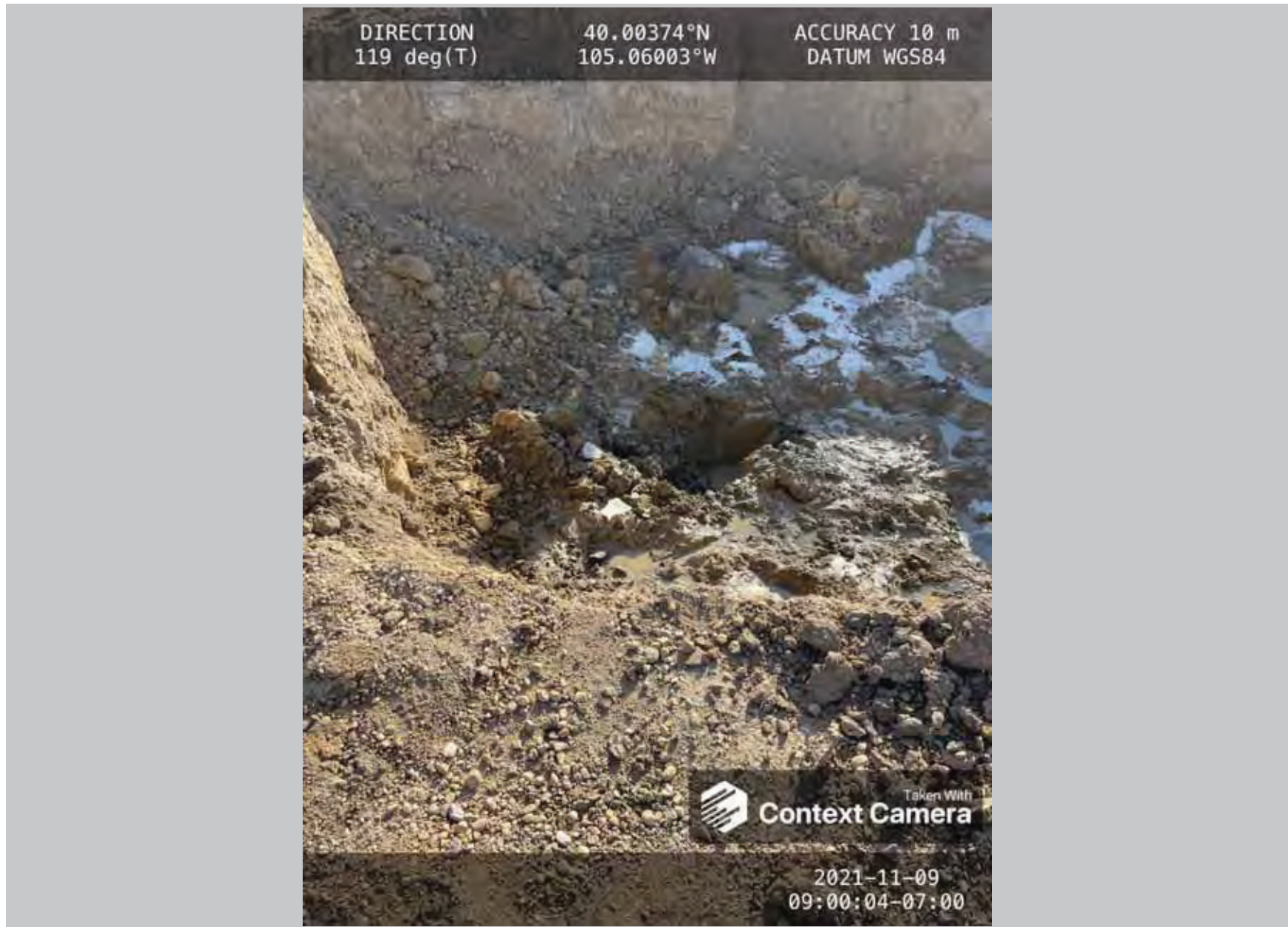
SEPS03@5'



Latitude: 40.003964
Longitude: -105.060031
Elevation: 1553.76±4 m
Accuracy: 8.9 m
Azimuth: 273° (W)
Pitch: -32.1°
Time: 10-28-2021 10:48
Note: SEPB04@9.5'

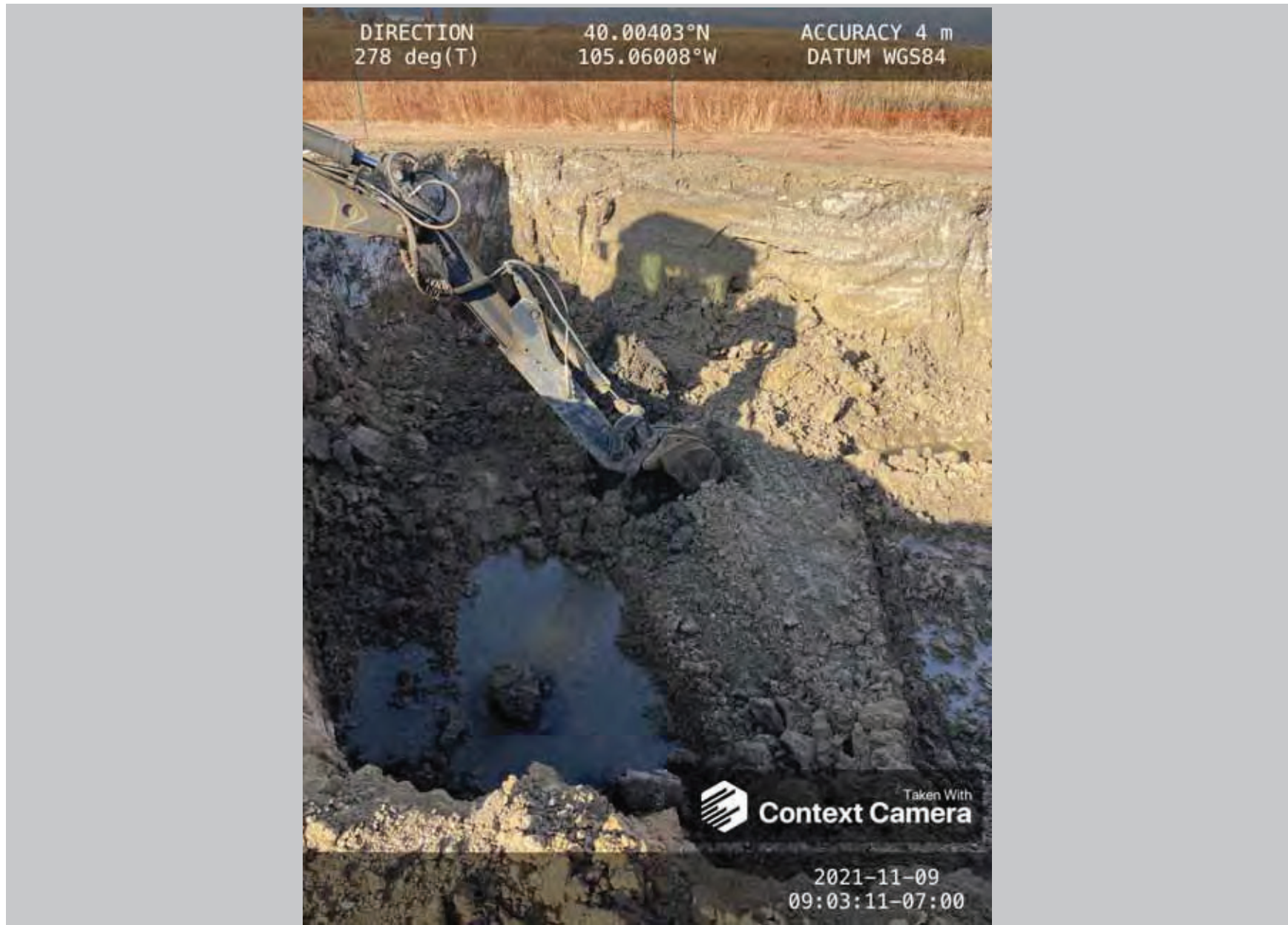
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SEPB04@9.5'



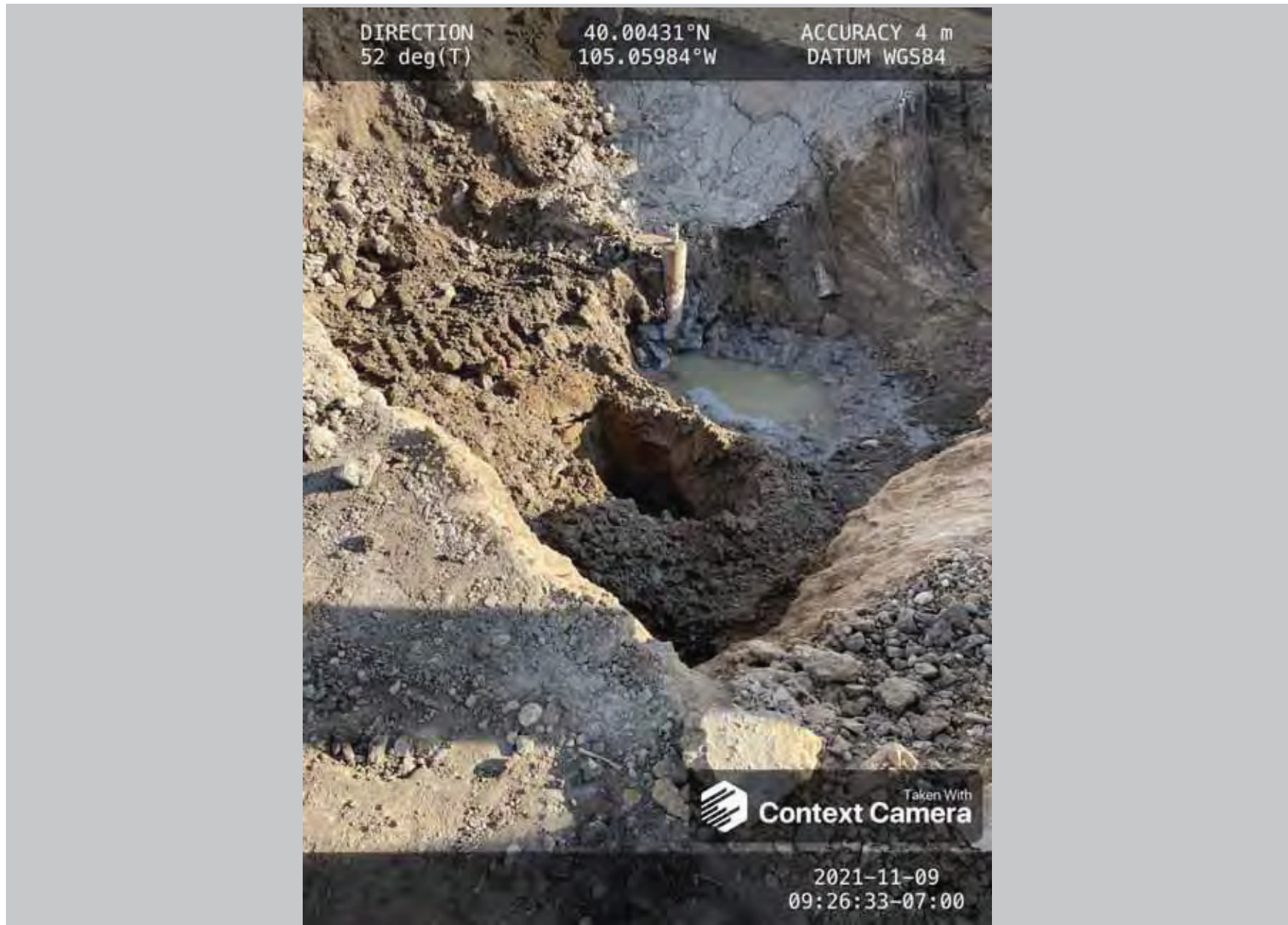
Description:

PWVBPH01@12'



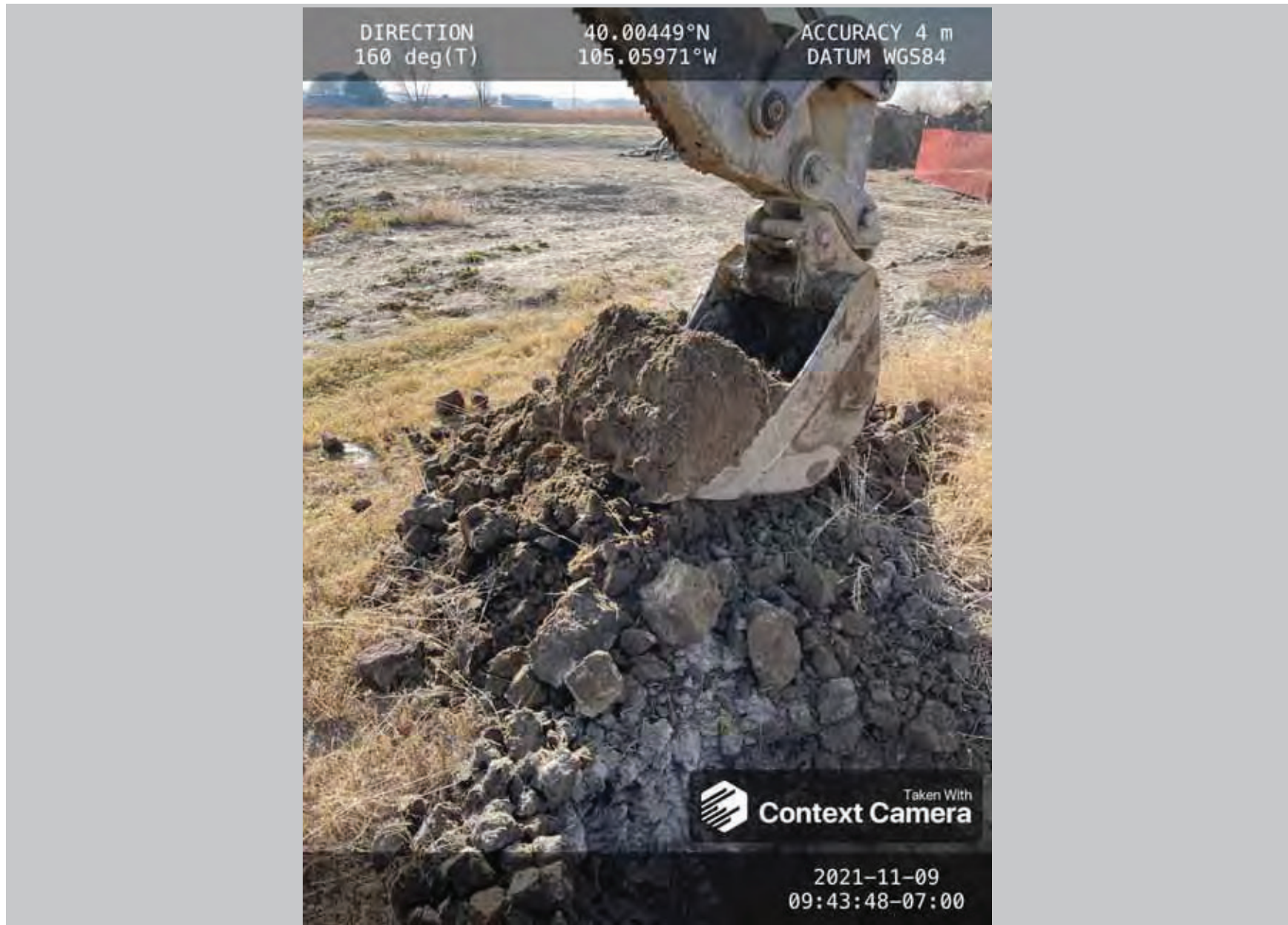
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SEPBPH01@12'



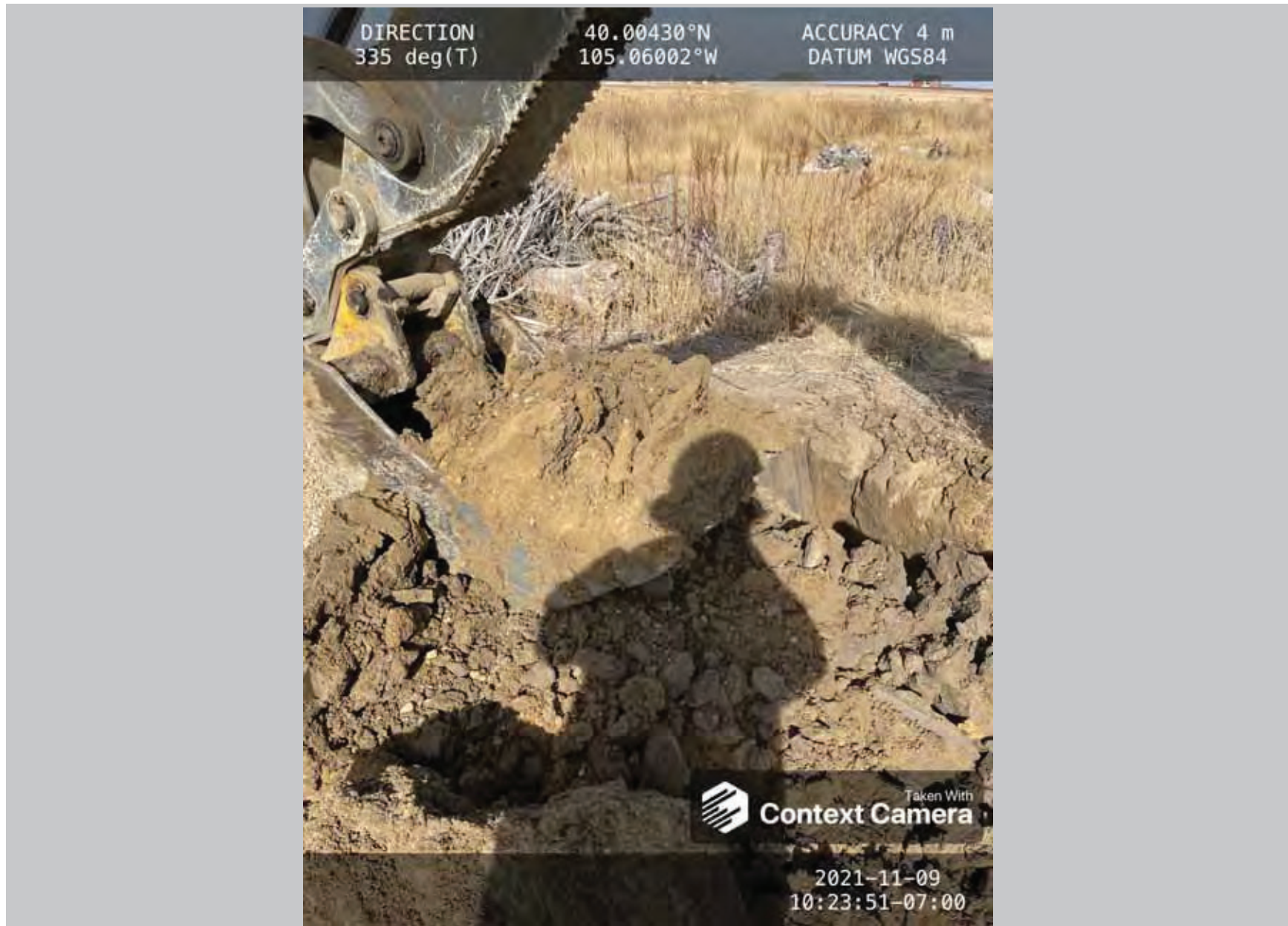
Description:

WellBPH01@11'



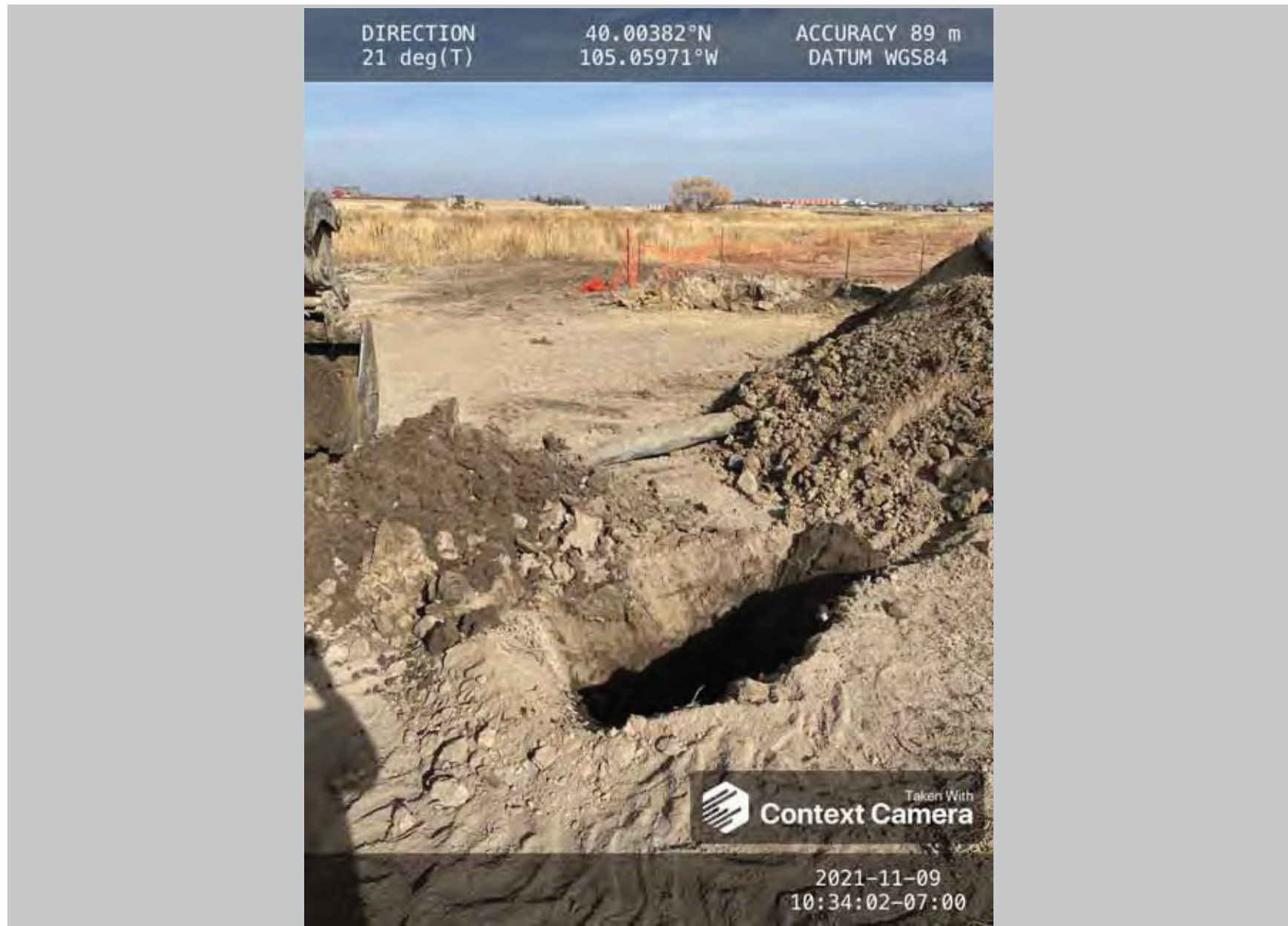
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Background Soil Sampling



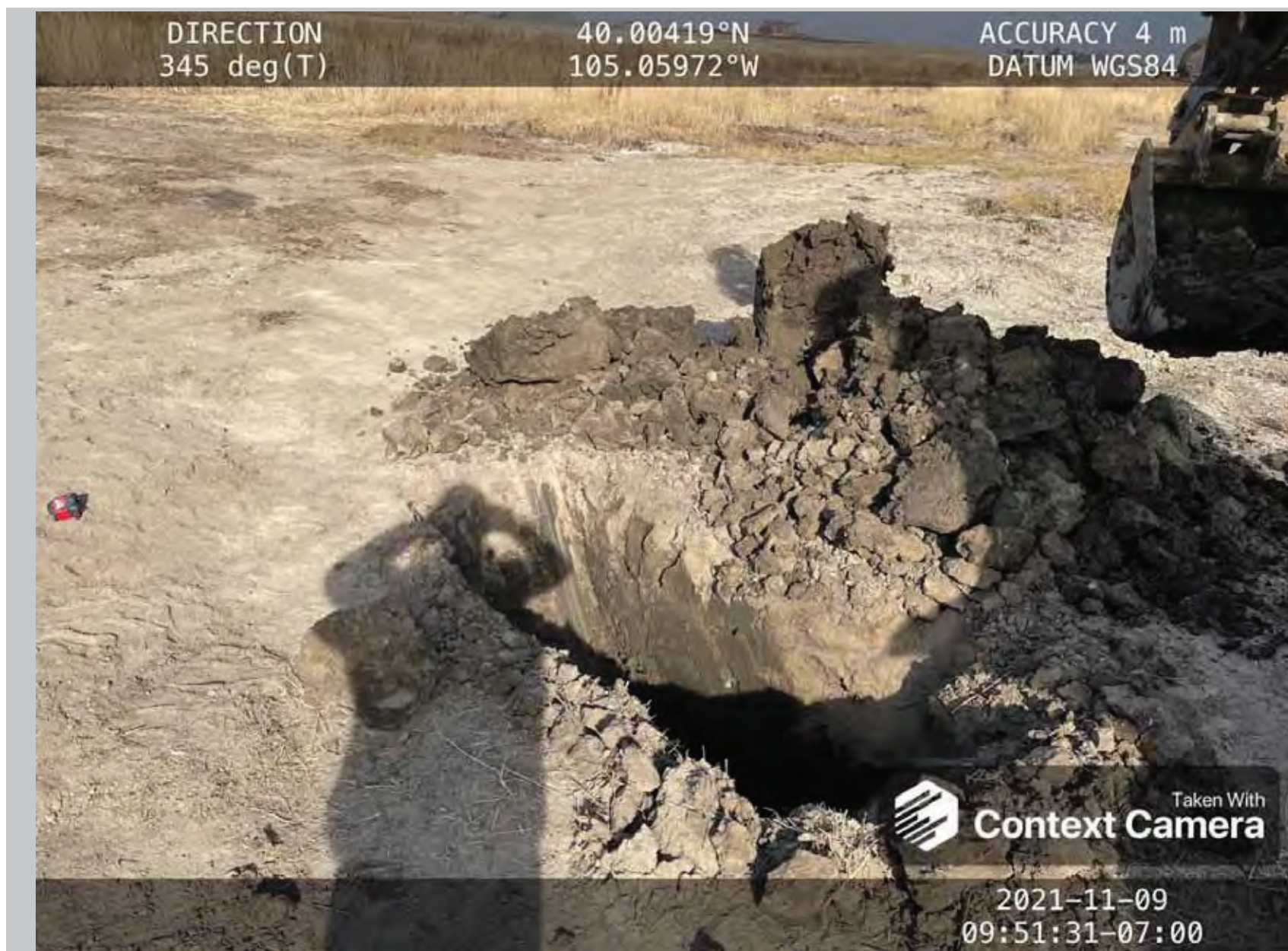
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Background Soil Sampling



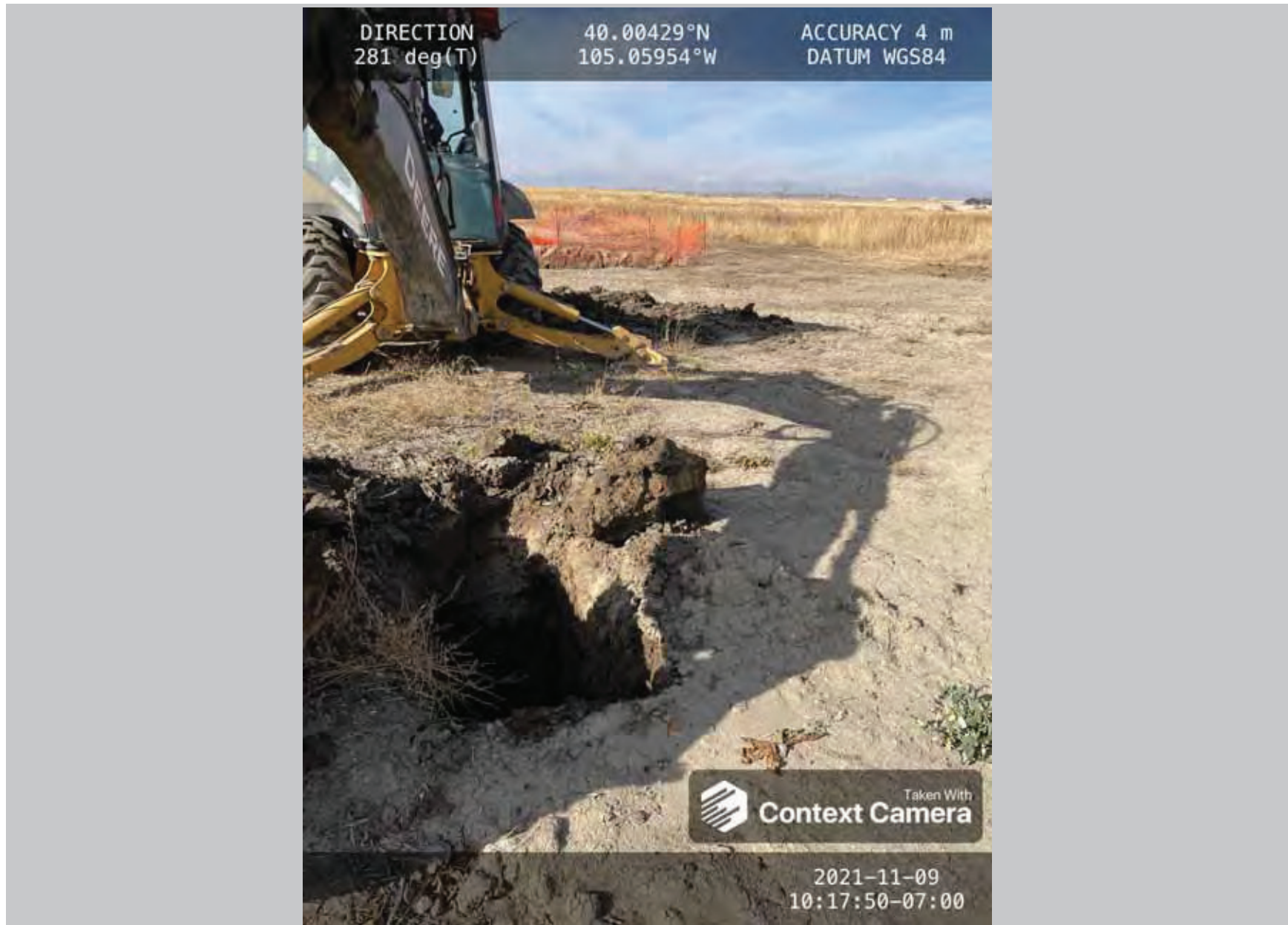
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Background Soil Sampling



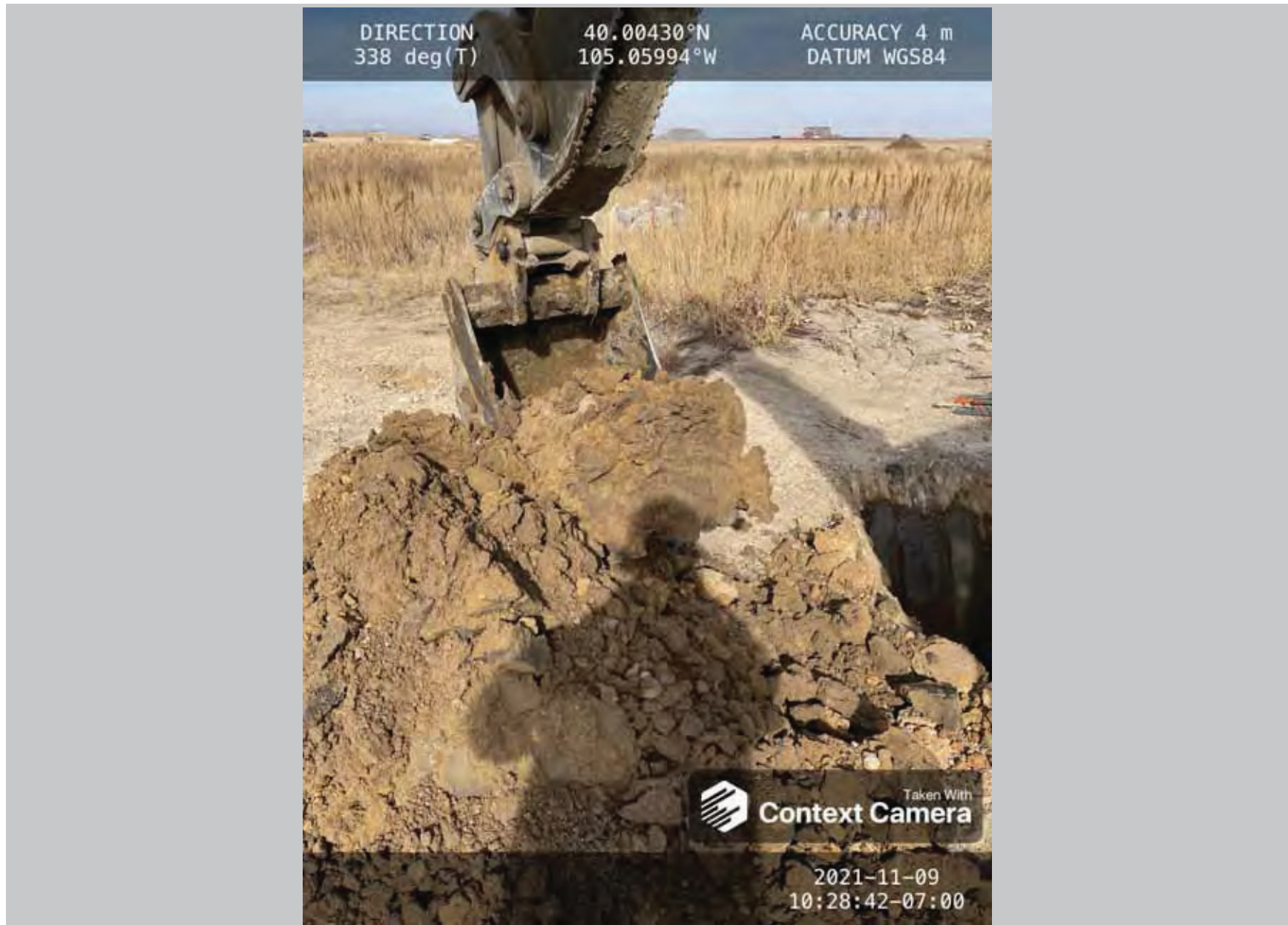
Description:

Background Soil Sampling



Description:

Background Soil Sampling



Description:

Background Soil Sampling



August 02, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. July 28, 2021. This project is associated with Origins project number Y107570-01.

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



Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWVB01@5'	Y107570-01	Soil	July 28, 2021 8:21	07/28/2021 13:40
PWVS01@4'	Y107570-02	Soil	July 28, 2021 8:25	07/28/2021 13:40
SEP02@3'	Y107570-03	Soil	July 28, 2021 8:40	07/28/2021 13:40
AST01@6"	Y107570-04	Soil	July 28, 2021 8:33	07/28/2021 13:40

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, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

www.originslaboratory.com

4107570

page 1 of 1

ORIGINS

LABORATORY, INC

Client: Extraction Oil and Gas

Address: 370 17th Street, Ste. 5300, Denver, CO 80202

Telephone Number: 907-538-7699

Email Address: Apex Companies,

DenverRemediation@ApexCos.onmicrosoft.com

Project Manager: Nathan Bennett (XOG), Maggie Graham (Apex)

Project Name: Donley 2-36

Project Number: 744.2101.01- 321345

Samples Collected By: Apex Companies, Alex Ahmadian

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Sampling Canister #	Other		
PWV801 @ 5'	7/28/21	8:21	2						X			Full 915 / Modified 915 (Circle one)	"Modified 915"=
PWV501 @ 4'		8:25	2						X			Modified 915 (1-5)	G/BTEX, DRO/ORO
SEP02 @ 3'		8:40	2						X			Modified 915 (1-5)	Naphthalene
AST01 @ 6"		8:33	2						X			Modified 915 (1-5)	1,2,4 + 1,3,5 Trimethylnaphthalene
													EC, SAR, pH, Boron
													Full 915=
													All above + 915 Metals+ 915 PAHs
Relinquished By: <i>seal</i>	Date: 7/28/21	Time: 13:40	Received By: <i>jmen</i>	Date: 7-28-21	Time: 1340	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"/>							
Relinquished By:	Date:	Time:	Received By:	Date:	Time:								

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y107570

Client: Apex

Client Project ID: Donley

Checklist Completed by: SEdm

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

Airbill #: N/A

Date/Time completed: 7-28-21

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid

Cooler Number/Temperature: 1, 44 °C

Water: 1 °C Other: 1 °C (Describe)

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out	<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 type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the instrument used for confirmation instrument used in comments? (If so, document sample integrity)/pH < 2 for samples preserved with HNO ₃ , NaAsO ₂ /NaO ₄ , pH > 10 for samples preserved with NaAsO ₂ /NaO ₄ .	<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) DM

7-28-21
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

PWV/B01@5
7/28/2021 8:21:00AM

Origins Laboratory, Inc.
Y107570-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Boron (DTPA Sorbitol)									
Boron	3.20	0.201	mg/L	1	B1G2921	JMA	07/29/2021	07/29/2021	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G2822	DJL	07/28/2021	07/28/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U
Surrogate: o-Terphenyl									
	91.0 %		50-150		"	"		"	
GBTEX+TMS									
1,2,4-Trimethylbenzene	0.0215	0.00200	mg/kg	1	B1G2821	KDK	"	07/28/2021	
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	0.00280	0.00200	"	"	"	KDK	"	"	
Benzene	0.00296	0.00200	"	"	"	KDK	"	"	
Ethylbenzene	0.0167	0.00200	"	"	"	KDK	"	"	
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	1.14	0.200	"	"	"	KDK	"	"	
Xylenes, total	0.00894	0.00200	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

99.0 % 70-130 " "
99.8 % 70-130 " "
106 % 70-130 " "

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWV/B01@5'

7/28/2021 8:21:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107570-01 (Soil)

Metals by Saturated Paste

Calcium	0.366	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	1.37	0.0823	"	"	"	JMA	"	"	
Sodium	37.9	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	9.12		pH Units	1	B1G2907	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	40.7		SAR	1	B1G2914	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	3.46	0.00500	mmhos/cm	1	B1G2911	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS01@4'

7/28/2021 8:25:00AM

Origins Laboratory, Inc.
Y107570-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Boron (DTPA Sorbitol)

Boron	1.44	0.200	mg/L	1	B1G2921	JMA	07/29/2021	07/29/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	50.4	25.0	mg/kg	1	B1G2822	DJL	07/28/2021	07/28/2021	
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	86.4 %	50-150	"	"	"	"	"	"	
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GBTEx+TMBS

1,2,4-Trimethylbenzene	0.00212	0.00200	mg/kg	1	B1G2821	KDK	"	07/28/2021	
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	1.30	0.200	"	"	"	KDK	"	"	
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	96.4 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS01@4'

7/28/2021 8:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y107570-02 (Soil)

Metals by Saturated Paste

Calcium	0.411	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	0.672	0.0823	"	"	"	JMA	"	"	
Sodium	11.3	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	8.78		pH Units	1	B1G2907	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	15.4		SAR	1	B1G2914	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.534	0.00500	mmhos/cm	1	B1G2911	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEP02@3'

7/28/2021 8:40:00AM

Origins Laboratory, Inc.
Y107570-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Boron (DTPA Sorbitol)									
Boron	0.980	0.200	mg/L	1	B1G2921	JMA	07/29/2021	07/29/2021	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	32.7	25.0	mg/kg	1	B1G2822	DJL	07/28/2021	07/28/2021	
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U
Surrogate: o-Terphenyl	80.8 %	50-150	"	"	"	"	"	"	
GBTEX+TMBS									
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G2821	KDK	"	07/28/2021	U
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	6.42	0.200	"	"	"	KDK	"	"	
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

98.7 % 70-130 " "
98.2 % 70-130 " "
110 % 70-130 " "

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

SEP02@3'

7/28/2021 8:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107570-03 (Soil)

Metals by Saturated Paste

Calcium	8.06	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	11.1	0.0823	"	"	"	JMA	"	"	
Sodium	37.2	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	7.96		pH Units	1	B1G2907	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	12.0		SAR	1	B1G2914	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	4.63	0.00500	mmhos/cm	1	B1G2911	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

AST01@6"
7/28/2021 8:33:00AM

Origins Laboratory, Inc.
Y107570-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Boron (DTPA Sorbitol)									
Boron	0.180	0.200	mg/L	1	B1G2921	JMA	07/29/2021	07/29/2021	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	40.5	25.0	mg/kg	1	B1G2822	DJL	07/28/2021	07/28/2021	
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U
Surrogate: o-Terphenyl	90.9 %	50-150	"	"	"	"	"	"	
GBTEX+TMBs									
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G2821	KDK	"	07/28/2021	U
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

93.3 %
76.9 %
105 %

70-130
70-130
70-130

"

"

"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

AST01@6"

7/28/2021 8:33:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107570-04 (Soil)

Metals by Saturated Paste

Calcium	1.82	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	1.19	0.0823	"	"	"	JMA	"	"	
Sodium	4.16	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	8.15		pH Units	1	B1G2907	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	3.39		SAR	1	B1G2914	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.706	0.00500	mmhos/cm	1	B1G2911	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

Blank (B1G2821-BLK1)

Prepared: 07/28/2021 Analyzed: 07/28/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.1	70-130			
Surrogate: Toluene-d8	0.15		"	0.125		116	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		112	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

LCS (B1G2821-BS1)

Prepared: 07/28/2021 Analyzed: 07/28/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.0524	0.00200	mg/kg	0.0500		105	70-130			
Naphthalene	0.0496	0.0100	"	0.0500		99.1	70-130			
1,3,5-Trimethylbenzene	0.0512	0.00200	"	0.0500		102	70-130			
Benzene	0.0493	0.00200	"	0.0500		98.6	70-130			
Ethylbenzene	0.0475	0.00200	"	0.0500		95.0	70-130			
m,p-Xylene	0.101	0.00400	"	0.100		101	70-130			
o-Xylene	0.0481	0.00200	"	0.0500		96.1	70-130			
Toluene	0.0487	0.00200	"	0.0500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.2	70-130			

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, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2821-MS1) Source: Y107570-01 Prepared: 07/28/2021 Analyzed: 07/28/2021										
1,2,4-Trimethylbenzene	0.0530	0.00200	mg/kg	0.0500	0.0215	63.1	70-130			QM-07
Naphthalene	0.0545	0.0100	"	0.0500	0.00172	106	70-130			
1,3,5-Trimethylbenzene	0.0504	0.00200	"	0.0500	0.00280	95.3	70-130			
Benzene	0.0494	0.00200	"	0.0500	0.00296	92.8	70-130			
Ethylbenzene	0.0401	0.00200	"	0.0500	0.0167	46.7	70-130			QM-07
m,p-Xylene	0.0840	0.00400	"	0.100	0.00894	75.0	70-130			
o-Xylene	0.0432	0.00200	"	0.0500	ND	86.4	70-130			
Toluene	0.0593	0.00200	"	0.0500	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.5	70-130			
Surrogate: Toluene-d8	0.15		"	0.125		118	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1G2821-MSD1) Source: Y107570-01 Prepared: 07/28/2021 Analyzed: 07/28/2021										
1,2,4-Trimethylbenzene	0.0533	0.00200	mg/kg	0.0500	0.0215	63.6	70-130	0.527	20	QM-07
Naphthalene	0.0562	0.0100	"	0.0500	0.00172	109	70-130	3.07	20	
1,3,5-Trimethylbenzene	0.0534	0.00200	"	0.0500	0.00280	101	70-130	5.70	20	
Benzene	0.0513	0.00200	"	0.0500	0.00296	96.6	70-130	3.82	20	
Ethylbenzene	0.0414	0.00200	"	0.0500	0.0167	49.4	70-130	3.29	20	QM-07
m,p-Xylene	0.0876	0.00400	"	0.100	0.00894	78.7	70-130	4.27	20	
o-Xylene	0.0540	0.00200	"	0.0500	ND	108	70-130	22.2	20	QR-03
Toluene	0.0644	0.00200	"	0.0500	ND	129	70-130	8.15	20	

Surrogate: 1,2-Dichloroethane-d4	0.12	"	0.125	94.9	70-130
Surrogate: Toluene-d8	0.15	"	0.125	119	70-130
Surrogate: 4-Bromofluorobenzene	0.13	"	0.125	101	70-130

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

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
Batch B1G2822 - EPA 3550B										

Blank (B1G2822-BLK1)					Prepared: 07/28/2021 Analyzed: 07/28/2021					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	46		"	50.0		92.5	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1G2822 - EPA 3550B

LCS (B1G2822-BS1)

Prepared: 07/28/2021 Analyzed: 07/28/2021

Diesel (C10-C28)	961	50.0	mg/kg	1000		96.1	70-130			
Residual Range Organics (C28-C40)	971	200	"	1000		97.1	70-130			

Surrogate: o-Terphenyl 52 " 50.0 103 50-150

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Batch B1G2822 - EPA 3550B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2822-MS1)		Source: Y107570-01			Prepared: 07/28/2021 Analyzed: 07/28/2021					
Diesel (C10-C28)	985	50.0	mg/kg	1000	ND	98.5	70-130			
Residual Range Organics (C28-C40)	966	200	"	1000	ND	96.6	70-130			
Surrogate: o-Terphenyl	51		"	50.0		103	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Batch B1G2822 - EPA 3550B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1G2822-MSD1) Source: Y107570-01 Prepared: 07/28/2021 Analyzed: 07/28/2021										
Diesel (C10-C28)	916	50.0	mg/kg	1000	ND	91.6	70-130	7.24	35	
Residual Range Organics (C28-C40)	852	200	"	1000	ND	85.2	70-130	12.5	35	
Surrogate: o-Terphenyl	46		"	50.0		91.9	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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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Classical Chemistry Parameters - 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 B1G2921 - Default Prep Metals

Blank (B1G2921-BLK1)	Prepared: 07/29/2021 Analyzed: 07/29/2021									
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Boron	ND	0.200	mg/L							
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Origins Laboratory, Inc.

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Jen Pellegrini, Project Manager



Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G2907 - NO PREP										
Duplicate (B1G2907-DUP1)		Source: Y107549-06			Prepared: 07/29/2021 Analyzed: 07/29/2021					
pH	8.16		pH Units		8.06			1.23	25	
Batch B1G2911 - NO PREP										
Blank (B1G2911-BLK1)										
Prepared: 07/29/2021 Analyzed: 07/29/2021										
Specific Conductance (EC)	0.00120	0.00500	mmhos/cm							
Duplicate (B1G2911-DUP1)		Source: Y107580-01			Prepared: 07/29/2021 Analyzed: 07/29/2021					
Specific Conductance (EC)	2.57	0.00500	mmhos/cm		2.55			0.661	25	

Origins Laboratory, Inc.

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Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.



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, Project Manager



August 04, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. July 27, 2021. This project is associated with Origins project number Y107519-01.

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



Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WellB01@5'	Y107519-01	Soil	July 26, 2021 14:19	07/27/2021 08:25
WellN01@4.5'	Y107519-02	Soil	July 26, 2021 14:21	07/27/2021 08:25
WellS01@4.5'	Y107519-03	Soil	July 26, 2021 14:22	07/27/2021 08:25
WellE01@4.5'	Y107519-04	Soil	July 26, 2021 14:23	07/27/2021 08:25
WellW01@4.5'	Y107519-05	Soil	July 26, 2021 14:24	07/27/2021 08:25
BKG01@6'	Y107519-06	Soil	July 26, 2021 15:02	07/27/2021 08:25
GW01@5'	Y107519-07	Water	July 26, 2021 12:00	07/27/2021 08:25

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

www.originslaboratory.com

4107519

page 1 of 1

ORIGINS

LABORATORY, INC

Client: Extraction Oil and Gas

Address: 370 17th Street, Ste. 5300, Denver, CO 80202

Project Manager: Nathan Bennett (XOG), Maggie Graham (Apex)

Project Name: Donley 2-36

Project Number: 744.2101.01- 321345

Samples Collected By: Apex Companies, Alex Ahmuden

Telephone Number: 907-538-7699

Email Address: Apex Companies,

DenverRemediation@ApexCos.onmicrosoft.com

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other		
Well B01 @ 5'	7/26/21	2:19							X			Full 915 / Modified 915 (Circle one) Modified 915	"Modified 915"= 1
Well N01 @ 4.5'		2:21							X			Hold	G/BTEX, DRO/ORO 2
Well S01 @ 4.5'		2:22							X			Hold	Naphthalene 3
Well E01 @ 4.5'		2:23							X			Hold	1,2,4 + 1,3, 5 Trimethylnaphthalene 4
Well W01 @ 4.5'		2:24							X			Modified 915	EC, SAR, pH, Boron 5
BK601 @ 6'		3:02							X			Metals 915 + Emorgensis ⁽⁵⁾	6
GW01 @ 5'								X				Table 915 Constituents	Full 915= 7
												NOI, SOL, FOL taken	All above + 915 Metals+ 915 PAHs 8
												OFF hold for modified	9
												915 per the email from Maggie on 7/28/21	10
Relinquished By: <i>all</i>	Date: 7/27/21	Time: 0825		Received By:				Date: 07-27-21				Time: 0825	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"/>
Relinquished By:	Date:	Time:		Received By:				Date:				Time:	

Origins Laboratory, Inc.

Jordan A. Merrill

Jordan A. Merrill For Jen Pellegrini, Project Manager

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.

Page 4 of 44

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellB01@5'

7/26/2021 2:19:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107519-01 (Soil)

Boron (DTPA Sorbitol)

Boron	2.70	0.202	mg/L	1	B1G2730	JMA	07/28/2021	07/28/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G2619	DJL	07/26/2021	07/27/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	79.9 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G2701	KDK	07/27/2021	07/27/2021	U
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	0.471	0.200	"	"	"	KDK	"	"	
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	97.9 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"	"	"	"	

Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellB01@5'

7/26/2021 2:19:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y107519-01 (Soil)

Metals by Saturated Paste

Calcium	0.675	0.0499	meq/L	1	[CALC]	CJM	07/28/2021	07/28/2021	
Magnesium	1.34	0.0823	"	"	"	CJM	"	"	
Sodium	17.6	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.69		pH Units	1	B1G2807	DJL	07/28/2021	07/28/2021	
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SAR by 20B Saturated Paste

SAR	17.6		SAR	1	B1G2812	CJM	07/28/2021	07/28/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.03	0.00500	mmhos/cm	1	B1G2809	DJL	07/28/2021	07/28/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellIN01@4.5'

7/26/2021 2:21:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y107519-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.22	0.199	mg/L	1	B1G2915	JMA	07/29/2021	07/29/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G2822	DJL	07/28/2021	07/28/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	86.2 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1G2821	KDK	"	07/28/2021	U
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8	95.7 %	70-130	"	"	"	"	"	"	
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Surrogate: 4-Bromofluorobenzene	116 %	70-130	"	"	"	"	"	"	
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	122 %	70-130	"	"	"	"	"	"	
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Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellN01@4.5'

7/26/2021 2:21:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y107519-02 (Soil)

Metals by Saturated Paste

Calcium	0.564	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	1.14	0.0823	"	"	"	JMA	"	"	
Sodium	13.3	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	8.50		pH Units	1	B1G2905	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	14.4		SAR	1	B1G2912	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.40	0.00500	mmhos/cm	1	B1G2909	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellS01@4.5'

7/26/2021 2:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107519-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.945	0.201	mg/L	1	B1G2915	JMA	07/29/2021	07/29/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	29.2	25.0	mg/kg	1	B1G2822	DJL	07/28/2021	07/28/2021	
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	98.0 %	50-150	"	"	"	"	"	"	
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GBTEx+TMBS

1,2,4-Trimethylbenzene	0.0183	0.00200	mg/kg	1	B1G2821	KDK	"	07/28/2021	
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	0.00228	0.00200	"	"	"	KDK	"	"	
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	70.8	5.00	"	25	"	KDK	"	"	
Xylenes, total	0.00852	0.00200	"	1	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	91.1 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	176 %	70-130	"	"	"	"	"	"	S-04

Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellS01@4.5'

7/26/2021 2:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y107519-03 (Soil)

Metals by Saturated Paste

Calcium	0.858	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	1.81	0.0823	"	"	"	JMA	"	"	
Sodium	13.7	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	8.05		pH Units	1	B1G2905	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	11.9		SAR	1	B1G2912	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.46	0.00500	mmhos/cm	1	B1G2909	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellE01@4.5'
7/26/2021 2:23:00PM

Origins Laboratory, Inc.
Y107519-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Boron (DTPA Sorbitol)

Boron 1.66 0.202 mg/L 1 B1G2915 JMA 07/29/2021 07/29/2021

DRO/ORO by EPA 8015D

Diesel (C10-C28) ND 25.0 mg/kg 1 B1G2822 DJL 07/28/2021 07/28/2021 U
Residual Range Organics (C28-C40) ND 100 " " DJL " " U

Surrogate: o-Terphenyl 87.3 % 50-150 " " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene ND 0.00200 mg/kg 1 B1G2821 KDK " 07/28/2021 U
Naphthalene ND 0.00380 " " KDK " " U
1,3,5-Trimethylbenzene ND 0.00200 " " KDK " " U
Benzene ND 0.00200 " " KDK " " U
Ethylbenzene ND 0.00200 " " KDK " " U
Toluene ND 0.00200 " " KDK " " U
Gasoline Range Hydrocarbons ND 0.200 " " KDK " " U
Xylenes, total ND 0.00200 " " KDK " " U

Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 " " " "
Surrogate: Toluene-d8 95.7 % 70-130 " " " "
Surrogate: 4-Bromofluorobenzene 118 % 70-130 " " " "

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellE01@4.5'

7/26/2021 2:23:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y107519-04 (Soil)

Metals by Saturated Paste

Calcium	1.15	0.0499	meq/L	1	[CALC]	JMA	07/29/2021	07/29/2021	
Magnesium	3.33	0.0823	"	"	"	JMA	"	"	
Sodium	27.4	0.0435	"	"	"	JMA	"	"	

pH in Soil by EPA 9045D

pH	8.34		pH Units	1	B1G2905	DJL	07/29/2021	07/29/2021	
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SAR by 20B Saturated Paste

SAR	18.3		SAR	1	B1G2912	JMA	07/29/2021	07/29/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.93	0.00500	mmhos/cm	1	B1G2909	DJL	07/29/2021	07/29/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellW01@4.5'
7/26/2021 2:24:00PM

Origins Laboratory, Inc.
Y107519-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Boron (DTPA Sorbitol)									
Boron	0.637	0.199	mg/L	1	B1G2730	JMA	07/28/2021	07/28/2021	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	431	25.0	mg/kg	1	B1G2619	DJL	07/26/2021	07/27/2021	
Residual Range Organics (C28-C40)	218	100	"	"	"	DJL	"	"	

Surrogate: o-Terphenyl 81.6 % 50-150 " " "

GBTEX+TMBs

1,2,4-Trimethylbenzene	0.00318	0.00200	mg/kg	1	B1G2701	KDK	07/27/2021	07/27/2021	
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	100	5.00	"	25	"	KDK	"	"	
Xylenes, total	ND	0.00200	"	1	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 91.9 % 70-130 " " "
 Surrogate: Toluene-d8 97.0 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 126 % 70-130 " " "

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

WellW01@4.5'

7/26/2021 2:24:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y107519-05 (Soil)

Metals by Saturated Paste

Calcium	1.16	0.0499	meq/L	1	[CALC]	CJM	07/28/2021	07/28/2021	
Magnesium	1.37	0.0823	"	"	"	CJM	"	"	
Sodium	7.60	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.16		pH Units	1	B1G2807	DJL	07/28/2021	07/28/2021	
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SAR by 20B Saturated Paste

SAR	6.77		SAR	1	B1G2812	CJM	07/28/2021	07/28/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.03	0.00500	mmhos/cm	1	B1G2809	DJL	07/28/2021	07/28/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

BKG01@6'
7/26/2021 3:02:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107519-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.715	0.199	mg/L	1	B1G2730	JMA	07/28/2021	07/28/2021	
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Metals by Saturated Paste

Calcium	1.80	0.0499	meq/L	"	[CALC]	CJM	07/28/2021	07/28/2021	
Magnesium	2.69	0.0823	"	"	"	CJM	"	"	
Sodium	12.8	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	7.99		pH Units	1	B1G2807	DJL	07/28/2021	07/28/2021	
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SAR by 20B Saturated Paste

SAR	8.57		SAR	1	B1G2812	CJM	07/28/2021	07/28/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.66	0.00500	mmhos/cm	1	B1G2809	DJL	07/28/2021	07/28/2021	
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Total Metals by 6020B

Arsenic	2.9	0.25	mg/Kg	5	L566196		07/28/2021	07/29/2021	
Barium	71.9	0.25	"	"	"		"	"	
Cadmium	0.0882	0.25	"	"	"		"	"	J
Copper	9.36	0.25	"	"	"		"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

BKG01@6'
7/26/2021 3:02:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y107519-06 (Soil)

Total Metals by 6020B

Lead	61	0.25	mg/Kg	5	L566196		07/28/2021	07/29/2021	
Nickel	9.38	0.25	"	"	"		"	"	
Selenium	0.506	0.25	"	"	"		"	"	
Silver	0.0545	0.25	"	"	"		"	"	J
Zinc	63.7	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.502	mg/Kg	1	L566994		07/26/2021	08/03/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

GW01@5'

7/26/2021 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107519-07 (Water)

Anions by IC 300.0

Chloride	150	31.2	mg/L	125	B1G2731	JMA	07/27/2021	07/28/2021	
Sulfate	439	31.2	"	"	"	JMA	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	19.6	4.00	ug/L	4	B1G2213	DJL	07/26/2021	07/27/2021	
1,3,5-Trimethylbenzene	4.76	4.00	"	"	"	DJL	"	"	
Benzene	5.64	4.00	"	"	"	DJL	"	"	
Ethylbenzene	8.48	4.00	"	"	"	DJL	"	"	
Naphthalene	ND	16.0	"	"	"	DJL	"	"	U
Toluene	32.9	4.00	"	"	"	DJL	"	"	
Xylenes, total	59.2	4.00	"	"	"	DJL	"	"	

Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	98.1 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"	"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2120	5.00	mg/L	1	B1G2723	SCL	07/27/2021	07/28/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2213 - EPA 5030B (Water)

Blank (B1G2213-BLK1)

Prepared: 07/23/2021 Analyzed: 07/27/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.8	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2213 - EPA 5030B (Water)

LCS (B1G2213-BS1)

Prepared: 07/23/2021 Analyzed: 07/27/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	45.4	1.00	ug/L	50.0		90.8	70-130			
1,3,5-Trimethylbenzene	44.7	1.00	"	50.0		89.3	70-130			
Benzene	49.7	1.00	"	50.0		99.5	70-130			
Ethylbenzene	44.7	1.00	"	50.0		89.4	70-130			
m,p-Xylene	91.7	2.00	"	100		91.7	70-130			
Naphtthalene	55.2	4.00	"	50.0		110	70-130			
o-Xylene	48.6	1.00	"	50.0		97.3	70-130			
Toluene	47.6	1.00	"	50.0		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.5	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2213 - EPA 5030B (Water)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2213-MS1)		Source: Y107463-01			Prepared: 07/23/2021 Analyzed: 07/27/2021					
1,2,4-Trimethylbenzene	19.0	1.00	ug/L	50.0	ND	38.0	70-130			QM-07
1,3,5-Trimethylbenzene	33.3	1.00	"	50.0	ND	66.5	70-130			QM-07
Benzene	46.8	1.00	"	50.0	ND	93.6	70-130			
Ethylbenzene	41.8	1.00	"	50.0	ND	83.6	70-130			
m,p-Xylene	79.2	2.00	"	100	0.190	79.0	70-130			
Naphthalene	47.8	4.00	"	50.0	0.490	94.7	70-130			
o-Xylene	44.3	1.00	"	50.0	ND	88.6	70-130			
Toluene	45.0	1.00	"	50.0	ND	89.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2213 - EPA 5030B (Water)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1G2213-MSD1)		Source: Y107463-01			Prepared: 07/23/2021 Analyzed: 07/27/2021					
1,2,4-Trimethylbenzene	21.0	1.00	ug/L	50.0	ND	42.1	70-130	10.0	20	QM-07
1,3,5-Trimethylbenzene	35.8	1.00	"	50.0	ND	71.7	70-130	7.41	20	
Benzene	48.6	1.00	"	50.0	ND	97.1	70-130	3.67	20	
Ethylbenzene	44.0	1.00	"	50.0	ND	87.9	70-130	4.99	20	
m,p-Xylene	82.9	2.00	"	100	0.190	82.7	70-130	4.57	20	
Naphthalene	50.1	4.00	"	50.0	0.490	99.2	70-130	4.62	20	
o-Xylene	46.9	1.00	"	50.0	ND	93.7	70-130	5.68	20	
Toluene	48.9	1.00	"	50.0	ND	97.7	70-130	8.31	20	

Surrogate: 1,2-Dichloroethane-d4	62	"	62.5	99.7	70-130	
Surrogate: Toluene-d8	65	"	62.5	105	70-130	
Surrogate: 4-Bromofluorobenzene	61	"	62.5	98.2	70-130	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

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
Batch B1G2619 - EPA 3550B										

Blank (B1G2619-BLK1)										
					Prepared: 07/26/2021 Analyzed: 07/26/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	25.0		90.0	50-150			

Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G2619 - EPA 3550B										

LCS (B1G2619-BS1)					Prepared: 07/26/2021 Analyzed: 07/26/2021					
Diesel (C10-C28)	859	50.0	mg/kg	1000		85.9	70-130			
Residual Range Organics (C28-C40)	909	200	"	1000		90.9	70-130			
Surrogate: o-Terphenyl	44		"	50.0		88.0	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Batch B1G2619 - EPA 3550B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2619-MS1) Source: Y107516-01 Prepared: 07/26/2021 Analyzed: 07/26/2021										
Diesel (C10-C28)	933	50.0	mg/kg	1000	ND	93.3	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130			
Surrogate: o-Terphenyl	49		"	50.0		98.4	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G2619 - EPA 3550B										

Matrix Spike Dup (B1G2619-MSD1)				Source: Y107516-01		Prepared: 07/26/2021 Analyzed: 07/26/2021				
Diesel (C10-C28)	895	50.0	mg/kg	1000	ND	89.5	70-130	4.19	35	
Residual Range Organics (C28-C40)	975	200	"	1000	ND	97.5	70-130	5.40	35	
Surrogate: o-Terphenyl	48		"	50.0		96.5	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Batch B1G2701 - EPA 5030 (soil)

Blank (B1G2701-BLK1)

Prepared: 07/27/2021 Analyzed: 07/27/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2701 - EPA 5030 (soil)

LCS (B1G2701-BS1)

Prepared: 07/27/2021 Analyzed: 07/27/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.0559	0.00200	mg/kg	0.0500		112	70-130			
Naphthalene	0.0496	0.0100	"	0.0500		99.2	70-130			
1,3,5-Trimethylbenzene	0.0550	0.00200	"	0.0500		110	70-130			
Benzene	0.0568	0.00200	"	0.0500		114	70-130			
Ethylbenzene	0.0547	0.00200	"	0.0500		109	70-130			
m,p-Xylene	0.111	0.00400	"	0.100		111	70-130			
o-Xylene	0.0538	0.00200	"	0.0500		108	70-130			
Toluene	0.0545	0.00200	"	0.0500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2701 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2701-MS1) Source: Y107518-01 Prepared: 07/27/2021 Analyzed: 07/27/2021										
1,2,4-Trimethylbenzene	0.0665	0.00200	mg/kg	0.0500	ND	133	70-130			QM-07
Naphthalene	0.0597	0.0100	"	0.0500	0.00288	114	70-130			
1,3,5-Trimethylbenzene	0.0874	0.00200	"	0.0500	ND	175	70-130			QM-07
Benzene	0.0507	0.00200	"	0.0500	ND	101	70-130			
Ethylbenzene	0.0745	0.00200	"	0.0500	ND	149	70-130			QM-07
m,p-Xylene	0.188	0.00400	"	0.100	ND	188	70-130			QM-07
o-Xylene	0.0938	0.00200	"	0.0500	ND	188	70-130			QM-07
Toluene	0.0574	0.00200	"	0.0500	ND	115	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.11	"	0.125	89.9	70-130
Surrogate: Toluene-d8	0.13	"	0.125	100	70-130
Surrogate: 4-Bromofluorobenzene	0.11	"	0.125	87.5	70-130

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2701 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1G2701-MSD1)		Source: Y107518-01		Prepared: 07/27/2021 Analyzed: 07/27/2021						
1,2,4-Trimethylbenzene	0.0668	0.00200	mg/kg	0.0500	ND	134	70-130	0.510	20	QM-07
Naphthalene	0.0522	0.0100	"	0.0500	0.00288	98.7	70-130	13.3	20	
1,3,5-Trimethylbenzene	0.0614	0.00200	"	0.0500	ND	123	70-130	34.9	20	QR-03
Benzene	0.0547	0.00200	"	0.0500	ND	109	70-130	7.63	20	
Ethylbenzene	0.0559	0.00200	"	0.0500	ND	112	70-130	28.5	20	QR-03
m,p-Xylene	0.118	0.00400	"	0.100	ND	118	70-130	46.3	20	QR-03
o-Xylene	0.0581	0.00200	"	0.0500	ND	116	70-130	47.0	20	QR-03
Toluene	0.0595	0.00200	"	0.0500	ND	119	70-130	3.69	20	

Surrogate: 1,2-Dichloroethane-d4	0.12	"	0.125	92.6	70-130
Surrogate: Toluene-d8	0.12	"	0.125	99.7	70-130
Surrogate: 4-Bromofluorobenzene	0.13	"	0.125	104	70-130

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

Blank (B1G2821-BLK1)

Prepared: 07/28/2021 Analyzed: 07/28/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.1	70-130			
Surrogate: Toluene-d8	0.15		"	0.125		116	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		112	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

LCS (B1G2821-BS1)

Prepared: 07/28/2021 Analyzed: 07/28/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.0524	0.00200	mg/kg	0.0500		105	70-130			
Naphthalene	0.0496	0.0100	"	0.0500		99.1	70-130			
1,3,5-Trimethylbenzene	0.0512	0.00200	"	0.0500		102	70-130			
Benzene	0.0493	0.00200	"	0.0500		98.6	70-130			
Ethylbenzene	0.0475	0.00200	"	0.0500		95.0	70-130			
m,p-Xylene	0.101	0.00400	"	0.100		101	70-130			
o-Xylene	0.0481	0.00200	"	0.0500		96.1	70-130			
Toluene	0.0487	0.00200	"	0.0500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.2	70-130			

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2821-MS1) Source: Y107570-01 Prepared: 07/28/2021 Analyzed: 07/28/2021										
1,2,4-Trimethylbenzene	0.0530	0.00200	mg/kg	0.0500	0.0215	63.1	70-130			QM-07
Naphthalene	0.0545	0.0100	"	0.0500	0.00172	106	70-130			
1,3,5-Trimethylbenzene	0.0504	0.00200	"	0.0500	0.00280	95.3	70-130			
Benzene	0.0494	0.00200	"	0.0500	0.00296	92.8	70-130			
Ethylbenzene	0.0401	0.00200	"	0.0500	0.0167	46.7	70-130			QM-07
m,p-Xylene	0.0840	0.00400	"	0.100	0.00894	75.0	70-130			
o-Xylene	0.0432	0.00200	"	0.0500	ND	86.4	70-130			
Toluene	0.0593	0.00200	"	0.0500	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.5	70-130			
Surrogate: Toluene-d8	0.15		"	0.125		118	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1G2821 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1G2821-MSD1) Source: Y107570-01 Prepared: 07/28/2021 Analyzed: 07/28/2021										
1,2,4-Trimethylbenzene	0.0533	0.00200	mg/kg	0.0500	0.0215	63.6	70-130	0.527	20	QM-07
Naphthalene	0.0562	0.0100	"	0.0500	0.00172	109	70-130	3.07	20	
1,3,5-Trimethylbenzene	0.0534	0.00200	"	0.0500	0.00280	101	70-130	5.70	20	
Benzene	0.0513	0.00200	"	0.0500	0.00296	96.6	70-130	3.82	20	
Ethylbenzene	0.0414	0.00200	"	0.0500	0.0167	49.4	70-130	3.29	20	QM-07
m,p-Xylene	0.0876	0.00400	"	0.100	0.00894	78.7	70-130	4.27	20	
o-Xylene	0.0540	0.00200	"	0.0500	ND	108	70-130	22.2	20	QR-03
Toluene	0.0644	0.00200	"	0.0500	ND	129	70-130	8.15	20	

Surrogate: 1,2-Dichloroethane-d4	0.12	"	0.125	94.9	70-130
Surrogate: Toluene-d8	0.15	"	0.125	119	70-130
Surrogate: 4-Bromofluorobenzene	0.13	"	0.125	101	70-130

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

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
Batch B1G2822 - EPA 3550B										

Blank (B1G2822-BLK1)										
					Prepared: 07/28/2021 Analyzed: 07/28/2021					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	46		"	50.0		92.5	50-150			

Origins Laboratory, Inc.



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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1G2822 - EPA 3550B

LCS (B1G2822-BS1)		Prepared: 07/28/2021 Analyzed: 07/28/2021								
Diesel (C10-C28)	961	50.0	mg/kg	1000		96.1	70-130			
Residual Range Organics (C28-C40)	971	200	"	1000		97.1	70-130			
Surrogate: o-Terphenyl	52		"	50.0		103	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

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

Batch B1G2822 - EPA 3550B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1G2822-MS1)		Source: Y107570-01			Prepared: 07/28/2021 Analyzed: 07/28/2021					
Diesel (C10-C28)	985	50.0	mg/kg	1000	ND	98.5	70-130			
Residual Range Organics (C28-C40)	966	200	"	1000	ND	96.6	70-130			
Surrogate: o-Terphenyl	51		"	50.0		103	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1G2822 - EPA 3550B

Matrix Spike Dup (B1G2822-MSD1)		Source: Y107570-01			Prepared: 07/28/2021 Analyzed: 07/28/2021					
Diesel (C10-C28)	916	50.0	mg/kg	1000	ND	91.6	70-130	7.24	35	
Residual Range Organics (C28-C40)	852	200	"	1000	ND	85.2	70-130	12.5	35	
Surrogate: o-Terphenyl	46		"	50.0		91.9	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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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Classical Chemistry Parameters - 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 B1G2723 - NO PREP

Blank (B1G2723-BLK1) Prepared: 07/27/2021 Analyzed: 07/28/2021

Total Dissolved Solids ND 5.00 mg/L

LCS (B1G2723-BS1) Prepared: 07/27/2021 Analyzed: 07/28/2021

Total Dissolved Solids 1010 5.00 mg/L 1000 101 85-115

Duplicate (B1G2723-DUP1) Source: Y107464-02 Prepared: 07/27/2021 Analyzed: 07/28/2021

Total Dissolved Solids 3540 5.00 mg/L 3460 2.09 20

Batch B1G2731 - Filter .45um non acidified

Blank (B1G2731-BLK1) Prepared: 07/27/2021 Analyzed: 07/27/2021

Chloride ND 0.250 mg/L

Fluoride ND 0.100 "

Bromide ND 0.100 "

Sulfate ND 0.250 "

Nitrate ND 0.100 "

Nitrite ND 0.250 "

Phosphate ND 0.100 "

LCS (B1G2731-BS1) Prepared: 07/27/2021 Analyzed: 07/27/2021

Chloride 3.98 0.250 mg/L 4.00 99.6 90-110

Fluoride ND 0.100 " 4.00 90-110

Bromide ND 0.100 " 4.00 90-110

Origins Laboratory, Inc.



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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Classical Chemistry Parameters - 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 B1G2731 - Filter .45um non acidified

LCS (B1G2731-BS1)										
				Prepared: 07/27/2021 Analyzed: 07/27/2021						
Sulfate	3.88	0.250	mg/L	4.00		97.1	90-110			
Nitrate	4.13	0.100	"	4.00		103	90-110			
Nitrite	ND	0.250	"	4.00			90-110			
Phosphate	ND	0.100	"	4.00			90-110			

Matrix Spike (B1G2731-MS1)

Source: Y107464-03 Prepared: 07/27/2021 Analyzed: 07/27/2021

Chloride	641	mg/L	500	157	96.6	80-120				
Fluoride	0.00	"	500	0.00		80-120				
Bromide	0.00	"	500	0.00		80-120				
Sulfate	3720	"	500	3250	94.3	80-120				
Nitrate	510	"	500	6.86	101	80-120				
Nitrite	0.00	"	500	0.00		80-120				
Phosphate	0.00	"	500	0.00		80-120				

Matrix Spike Dup (B1G2731-MSD1)

Source: Y107464-03 Prepared: 07/27/2021 Analyzed: 07/28/2021

Chloride	648	mg/L	500	157	98.1	80-120	1.11	20		
Fluoride	0.00	"	500	0.00		80-120		20		
Bromide	0.00	"	500	0.00		80-120		20		
Sulfate	3760	"	500	3250	101	80-120	0.911	20		
Nitrate	518	"	500	6.86	102	80-120	1.47	20		
Nitrite	0.00	"	500	0.00		80-120		20		
Phosphate	0.00	"	500	0.00		80-120		20		

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Saturated Paste - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G2807 - NO PREP										
Duplicate (B1G2807-DUP1)		Source: Y107518-01			Prepared: 07/28/2021	Analyzed: 07/28/2021				
pH	8.03		pH Units		8.04			0.124	25	
Batch B1G2809 - NO PREP										
Blank (B1G2809-BLK1)		Prepared: 07/28/2021 Analyzed: 07/28/2021								
Specific Conductance (EC)	0.00140	0.00500	mmhos/cm							
Duplicate (B1G2809-DUP1)		Source: Y107518-01			Prepared: 07/28/2021	Analyzed: 07/28/2021				
Specific Conductance (EC)	3.03	0.00500	mmhos/cm		2.99			1.38	25	
Batch B1G2905 - NO PREP										
Duplicate (B1G2905-DUP1)		Source: Y107541-01			Prepared: 07/29/2021	Analyzed: 07/29/2021				
pH	8.62		pH Units		8.55			0.815	25	
Batch B1G2909 - NO PREP										
Blank (B1G2909-BLK1)		Prepared: 07/29/2021 Analyzed: 07/29/2021								
Specific Conductance (EC)	0.00100	0.00500	mmhos/cm							
Duplicate (B1G2909-DUP1)		Source: Y107541-01			Prepared: 07/29/2021	Analyzed: 07/29/2021				
Specific Conductance (EC)	0.694	0.00500	mmhos/cm		0.758			8.95	25	

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L566196 - 3050B

MSD (L 88969-MSD-L566196)					Source: Y107519-06					Prepared: 07/28/2021 Analyzed: 07/29/2021	
Cadmium	0.535	0.0259	mg/Kg	0.482	0.0882	111	75-125	8.5	80		
Silver	0.472	0.0067	"	0.482	0.0545	98	75-125	8.1	80		
Selenium	4.36	0.103	"	4.82	0.506	80	75-125	3.7	80		
Nickel	10.8	0.0633	"	2.41	9.38	59	75-125	2.8	80	*	
Copper	11.3	0.0806	"	2.41	9.36	80	75-125	4.5	80		
Barium	67.5	0.042	"	4.82	71.9	NR	75-125	7.5	80	*	
Arsenic	4.96	0.0855	"	2.41	2.9	85	75-125	0.8	80		
Zinc	98.4	0.534	"	24.1	63.7	144	75-125	20	80	*	
Lead	40.9	0.031	"	2.41	61	NR	75-125	9.7	80	*	

MS (L 88969-MS-L566196)					Source: Y107519-06					Prepared: 07/28/2021 Analyzed: 07/29/2021	
Selenium	4.2	0.103	mg/Kg	4.95	0.506	75	75-125				
Zinc	80.5	0.534	"	24.7	63.7	68	75-125			*	
Silver	0.512	0.0067	"	0.495	0.0545	104	75-125				
Lead	37.1	0.031	"	2.47	61	NR	75-125			*	
Copper	10.8	0.0806	"	2.47	9.36	58	75-125			*	
Cadmium	0.583	0.0259	"	0.495	0.0882	118	75-125				
Arsenic	4.92	0.0855	"	2.47	2.9	82	75-125			*	
Barium	72.8	0.042	"	4.95	71.9	18	75-125			*	
Nickel	10.5	0.0633	"	2.47	9.38	45	75-125			*	

LCS (LCS-L566196) Prepared: 07/28/2021 Analyzed: 07/29/2021

Silver	0.477	0.0067	mg/Kg	0.5	95	80-120	
Zinc	22.8	0.534	"	25	91	80-120	
Selenium	4.42	0.103	"	5	88	80-120	
Nickel	2.31	0.0633	"	2.5	92	80-120	
Copper	2.21	0.0806	"	2.5	88	80-120	

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L566196 - 3050B										
LCS (LCS-L566196)										
Cadmium	0.45	0.0259	mg/Kg	0.5		90	80-120	-		
Barium	4.39	0.042	"	5		88	80-120	-		
Arsenic	2.18	0.0855	"	2.5		87	80-120	-		
Lead	2.38	0.031	"	2.5		95	80-120	-		
LRB (LRB-L566196)										
Prepared: 07/28/2021 Analyzed: 07/29/2021										
Cadmium	ND	0.25	mg/Kg					-		
Zinc	ND	2.5	"					-		
Silver	ND	0.25	"					-		
Selenium	ND	0.25	"					-		
Nickel	ND	0.25	"					-		
Copper	ND	0.25	"					-		
Barium	ND	0.25	"					-		
Arsenic	ND	0.25	"					-		
Lead	ND	0.25	"					-		

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L566994 -										
DUP (L 88969-DUP)	Source: Y107519-06				Prepared: Analyzed: 08/03/2021					
Chromium, Hexavalent	ND	0.245	mg/Kg		88969		-	0	20	
MS (L 88969-MS)	Source: Y107519-06				Prepared: Analyzed: 08/03/2021					
Chromium, Hexavalent	ND	0.244	mg/Kg	7.91	88969	0	75-125			*
LCS (LCS)					Prepared: Analyzed: 08/03/2021					
Chromium, Hexavalent	6.51	0.244	mg/Kg	8		81	75-125			
LRB (LRB)					Prepared: Analyzed: 08/03/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

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.

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



August 23, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. August 16, 2021. This project is associated with Origins project number Y108345-01.

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





Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWVB02@7'	Y108345-01	Soil	August 16, 2021 10:15	08/16/2021 15:57
PWVN02@4'	Y108345-02	Soil	August 16, 2021 10:45	08/16/2021 15:57
PWVE02@4'	Y108345-03	Soil	August 16, 2021 10:56	08/16/2021 15:57
PWVW02@4'	Y108345-04	Soil	August 16, 2021 11:16	08/16/2021 15:57
PWVS02@4'	Y108345-05	Soil	August 16, 2021 11:49	08/16/2021 15:57

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

ORIGINS

LABORATORY, INC

yp8345

www.originslaboratory.com

page 1 of 1

Client: Extraction Oil and Gas Project Manager: Maggie Graham
Address: 370 17th St. Ste. 5300 Project Name: Donley 2-36
Denver, Co, 80202 Project Number: 744.2101.01-321345
Telephone Number: 907-538-7699 Samples Collected By: Alex Amadion, Apex Companies LLC
Email Address: Denver.kendrick@apexco, on.micrsoft.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis						Sample Instructions
				Unpreserved	HCl	HNO ₃	Groundwater	Soil	Air Summa Container #	Other	Full 11915	DBTEX, DRO/ORO	Magnesium	915 PAHs	ph, EC, SAR, Baran	
PWV802@4'	8/16/21	10:15	2					X			X					1
PWV1602@4'		10:45	3					X				X	X	X	X	Hold for PAHs, 915 metals 2
PWV E02@4'		10:56	3					X				X	X	X	X	Hold for PAHs, 915 metals 3
PWVW02@4'		11:16	3					X				X	X	X	X	Hold for PAHs, 915 metals 4
PWV502@4'		11:49	3					X			X					5
																6
																7
																8
																9
																10
Relinquished By: <u>[Signature]</u>	Date: <u>8/16/21</u>	Time:		Received By: <u>[Signature]</u>	Date: <u>8/16/21</u>	Time: <u>1557</u>	Turnaround Time:									
Relinquished By:	Date:	Time:		Received By:	Date:	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"/>									

Temp Received: 5.1

Date Results Needed

Origins Laboratory, Inc.

[Signature]

Jordan A. Merrill For Jen Pellegrini, Project Manager

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWV/B02@7'

8/16/2021 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-01 (Soil)

Boron (DTPA Sorbitol)

Boron	2.53	0.201	mg/L	1	B1H1701	JMA	08/17/2021	08/17/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1621	DJL	08/16/2021	08/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	73.3 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1620	KDK	"	08/16/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVB02@7'

8/16/2021 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-01 (Soil)

Metals by Saturated Paste

Calcium	0.505	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Magnesium	0.983	0.0823	"	"	"	CJM	"	"	
Sodium	21.8	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L569618		08/18/2021	08/18/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVB02@7'

8/16/2021 10:15:00AM

Analyte	Reporting			Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units					

Waypoint Analytical, Inc.
Y108345-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	70.3 %	33-115	L5696 18	08/18/2021	08/18/2021
Surrogate: 4-Terphenyl-d14	73.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	67.3 %	29-110	"	"	"

pH in Soil by EPA 9045D

pH	8.37	pH Units	1	B1H1804	TSH	08/18/2021	08/18/2021
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SAR by 20B Saturated Paste

SAR	25.3	SAR	1	B1H1811	CJM	08/18/2021	08/19/2021
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.28	0.00500	mmhos/cm	1	B1H1807	TSH	08/18/2021	08/18/2021
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Total Metals by 6020B

Arsenic	2.68	0.25	mg/Kg	5	L569810		08/18/2021	08/22/2021
Barium	130	0.25	"	"	"	"	"	"
Cadmium	0.165	0.25	"	"	"	"	"	J
Copper	14.2	0.25	"	"	"	"	"	"
Lead	12.3	0.25	"	"	"	"	"	"
Nickel	15.9	0.25	"	"	"	"	"	"
Selenium	0.477	0.25	"	"	"	"	"	"

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWV/B02@7"

8/16/2021 10:15:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Waypoint Analytical, Inc.
Y108345-01 (Soil)

Total Metals by 6020B

Silver	0.0536	0.25	mg/Kg	5	L569810	08/18/2021	08/22/2021	J
Zinc	62.4	2.5	"	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	1	mg/Kg	2	L569627	08/16/2021	08/18/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWV\N02@4'

8/16/2021 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.199	mg/L	1	B1H1801	JMA	08/18/2021	08/18/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1621	DJL	08/16/2021	08/17/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	95.9 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBS

Naphthalene	ND	0.00380	mg/kg	1	B1H1620	KDK	"	08/17/2021	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

Calcium	0.121	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
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Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWV/N02@4'

8/16/2021 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-02 (Soil)

Metals by Saturated Paste

Magnesium	0.745	0.0823	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Sodium	24.8	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.68		pH Units	1	B1H1804	TSH	08/18/2021	08/18/2021	
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SAR by 20B Saturated Paste

SAR	37.6		SAR	1	B1H1811	CJM	08/18/2021	08/19/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.48	0.00500	mmhos/cm	1	B1H1807	TSH	08/18/2021	08/18/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

PWVE02@4'
8/16/2021 10:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y108345-03 (Soil)

Boron (DTPA Sorbitol)

Boron	3.97	0.198	mg/L	1	B1H1801	JMA	08/18/2021	08/18/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1621	DJL	08/16/2021	08/17/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	84.3 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

Naphthalene	ND	0.00380	mg/kg	1	B1H1620	KDK	"	08/17/2021	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

Calcium	0.0669	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVE02@4'

8/16/2021 10:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y108345-03 (Soil)

Metals by Saturated Paste

Magnesium	0.462	0.0823	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Sodium	23.1	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.86		pH Units	1	B1H1804	TSH	08/18/2021	08/18/2021	
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SAR by 20B Saturated Paste

SAR	44.9		SAR	1	B1H1811	CJM	08/18/2021	08/19/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.04	0.00500	mmhos/cm	1	B1H1807	TSH	08/18/2021	08/18/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVW02@4'

8/16/2021 11:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-04 (Soil)

Boron (DTPA Sorbitol)

Boron	3.61	0.198	mg/L	1	B1H1801	JMA	08/18/2021	08/18/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1621	DJL	08/16/2021	08/17/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	85.2 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

Naphthalene	ND	0.00380	mg/kg	1	B1H1620	KDK	"	08/17/2021	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	101 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

Calcium	0.437	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
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Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVW02@4'

8/16/2021 11:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-04 (Soil)

Metals by Saturated Paste

Magnesium	1.77	0.0823	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Sodium	25.2	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.31		pH Units	1	B1H1805	TSH	08/18/2021	08/18/2021	
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SAR by 20B Saturated Paste

SAR	24.0		SAR	1	B1H1811	CJM	08/18/2021	08/19/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.56	0.00500	mmhos/cm	1	B1H1808	TSH	08/18/2021	08/18/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS02@4'

8/16/2021 11:49:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-05 (Soil)

Boron (DTPA Sorbitol)

Boron	2.90	0.199	mg/L	1	B1H1801	JMA	08/18/2021	08/18/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1621	DJL	08/16/2021	08/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	80.9 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1620	KDK	"	08/16/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	104 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS02@4'

8/16/2021 11:49:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108345-05 (Soil)

Metals by Saturated Paste

Calcium	0.288	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Magnesium	1.18	0.0823	"	"	"	CJM	"	"	
Sodium	27.0	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L569618		08/18/2021	08/18/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PWVS02@4'

8/16/2021 11:49:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc. Y108345-05 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	66.1 %	33-115	L5696 18	08/18/2021	08/18/2021
Surrogate: 4-Terphenyl-d14	70.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	63.6 %	29-110	"	"	"

pH in Soil by EPA 9045D

pH	8.55	pH Units	1	B1H1804	TSH	08/18/2021	08/18/2021
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SAR by 20B Saturated Paste

SAR	31.6	SAR	1	B1H1811	CJM	08/18/2021	08/19/2021
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.70	0.00500	mmhos/cm	1	B1H1808	TSH	08/18/2021	08/18/2021
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Total Metals by 6020B

Arsenic	3.05	0.25	mg/Kg	5	L569810	08/18/2021	08/22/2021	
Barium	82.5	0.25	"	"	"	"	"	
Cadmium	0.114	0.25	"	"	"	"	"	J
Copper	9.58	0.25	"	"	"	"	"	
Lead	9.35	0.25	"	"	"	"	"	
Nickel	10.3	0.25	"	"	"	"	"	
Selenium	0.458	0.25	"	"	"	"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS02@4'

8/16/2021 11:49:00AM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Waypoint Analytical, Inc.

Y108345-05 (Soil)

Total Metals by 6020B

Silver	0.0446	0.25	mg/Kg	5	L569810		08/18/2021	08/22/2021	J
Zinc	43.6	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.52	mg/Kg	1	L569627		08/16/2021	08/18/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1620 - EPA 5030 (soil)

Blank (B1H1620-BLK1)

Prepared: 08/16/2021 Analyzed: 08/16/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1620 - EPA 5030 (soil)

LCS (B1H1620-BS1)

Prepared: 08/16/2021 Analyzed: 08/16/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.0571	0.00200	mg/kg	0.0500		114	70-130			
Naphthalene	0.0507	0.0100	"	0.0500		101	70-130			
1,3,5-Trimethylbenzene	0.0559	0.00200	"	0.0500		112	70-130			
Benzene	0.0458	0.00200	"	0.0500		91.6	70-130			
Ethylbenzene	0.0544	0.00200	"	0.0500		109	70-130			
m,p-Xylene	0.116	0.00400	"	0.100		116	70-130			
o-Xylene	0.0558	0.00200	"	0.0500		112	70-130			
Toluene	0.0563	0.00200	"	0.0500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1620 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1H1620-MS1)		Source: Y108342-01		Prepared: 08/16/2021 Analyzed: 08/16/2021						
1,2,4-Trimethylbenzene	0.0511	0.00200	mg/kg	0.0500	ND	102	70-130			
Naphthalene	0.0413	0.0100	"	0.0500	ND	82.6	70-130			
1,3,5-Trimethylbenzene	0.0496	0.00200	"	0.0500	ND	99.2	70-130			
Benzene	0.0409	0.00200	"	0.0500	ND	81.8	70-130			
Ethylbenzene	0.0493	0.00200	"	0.0500	ND	98.6	70-130			
m,p-Xylene	0.105	0.00400	"	0.100	ND	105	70-130			
o-Xylene	0.0506	0.00200	"	0.0500	ND	101	70-130			
Toluene	0.0509	0.00200	"	0.0500	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.5	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1620 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1H1620-MSD1)		Source: Y108342-01		Prepared: 08/16/2021 Analyzed: 08/16/2021						
1,2,4-Trimethylbenzene	0.0469	0.00200	mg/kg	0.0500	ND	93.9	70-130	8.56	20	
Naphthalene	0.0402	0.0100	"	0.0500	ND	80.3	70-130	2.85	20	
1,3,5-Trimethylbenzene	0.0458	0.00200	"	0.0500	ND	91.6	70-130	7.92	20	
Benzene	0.0378	0.00200	"	0.0500	ND	75.5	70-130	7.93	20	
Ethylbenzene	0.0457	0.00200	"	0.0500	ND	91.5	70-130	7.45	20	
m,p-Xylene	0.0978	0.00400	"	0.100	ND	97.8	70-130	7.24	20	
o-Xylene	0.0468	0.00200	"	0.0500	ND	93.6	70-130	7.80	20	
Toluene	0.0478	0.00200	"	0.0500	ND	95.6	70-130	6.40	20	

Surrogate: 1,2-Dichloroethane-d4	0.12	"	0.125	96.4	70-130
Surrogate: Toluene-d8	0.13	"	0.125	107	70-130
Surrogate: 4-Bromofluorobenzene	0.12	"	0.125	98.9	70-130

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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
Batch B1H1621 - EPA 3550B										

Blank (B1H1621-BLK1)										
					Prepared: 08/16/2021 Analyzed: 08/16/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	25.0		93.1	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1H1621 - EPA 3550B

LCS (B1H1621-BS1)		Prepared: 08/16/2021 Analyzed: 08/16/2021								
Diesel (C10-C28)	957	50.0	mg/kg	1000		95.7	70-130			
Residual Range Organics (C28-C40)	1240	200	"	1000		124	70-130			
Surrogate: o-Terphenyl	58		"	50.0		115	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1H1621 - EPA 3550B

Matrix Spike (B1H1621-MS1)		Source: Y108342-01			Prepared: 08/16/2021 Analyzed: 08/16/2021					
Diesel (C10-C28)	970	50.0	mg/kg	1000	ND	97.0	70-130			
Residual Range Organics (C28-C40)	1300	200	"	1000	ND	130	70-130			
Surrogate: o-Terphenyl	55		"	50.0		111	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1H1621 - EPA 3550B										

Matrix Spike Dup (B1H1621-MSD1)	Source: Y108342-01			Prepared: 08/16/2021 Analyzed: 08/16/2021						
Diesel (C10-C28)	984	50.0	mg/kg	1000	ND	98.4	70-130	1.42	35	
Residual Range Organics (C28-C40)	1300	200	"	1000	ND	130	70-130	0.253	35	
Surrogate: o-Terphenyl	58		"	50.0		115	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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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Saturated Paste - Quality Control Origins Laboratory, Inc.

Batch B1H1804 - NO PREP										
Duplicate (B1H1804-DUP1)		Source: Y108328-01			Prepared: 08/18/2021 Analyzed: 08/18/2021					
pH	8.10		pH Units		8.19			1.10	25	
Batch B1H1805 - NO PREP										
Duplicate (B1H1805-DUP1)		Source: Y108345-04			Prepared: 08/18/2021 Analyzed: 08/18/2021					
pH	8.28		pH Units		8.31			0.362	25	
Batch B1H1807 - NO PREP										
Blank (B1H1807-BLK1)										
Prepared: 08/18/2021 Analyzed: 08/18/2021										
Specific Conductance (EC)	0.00180	0.00500	mmhos/cm							
Duplicate (B1H1807-DUP1)		Source: Y108328-01			Prepared: 08/18/2021 Analyzed: 08/18/2021					
Specific Conductance (EC)	0.336	0.00500	mmhos/cm		0.355			5.47	25	
Batch B1H1808 - NO PREP										
Blank (B1H1808-BLK1)										
Prepared: 08/18/2021 Analyzed: 08/18/2021										
Specific Conductance (EC)	0.00260	0.00500	mmhos/cm							
Duplicate (B1H1808-DUP1)		Source: Y108345-04			Prepared: 08/18/2021 Analyzed: 08/18/2021					
Specific Conductance (EC)	2.24	0.00500	mmhos/cm		2.56			13.6	25	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569618 - 3550B

MSD (L 92184-MSD-L569618)

Source: 92184

Prepared: 08/18/2021 Analyzed: 08/18/2021

Dibenz(a,h)anthracene	0.137	0.000279	mg/Kg	0.165	<0.000279	83	30-130	7	30	
Fluoranthene	0.115	0.000529	"	0.165	<0.000529	69.6	30-130	0.8	30	
Fluorene	0.111	0.000501	"	0.165	0.00631	63.4	30-130	3.5	30	
Indeno(1,2,3-cd)pyrene	0.14	0.000344	"	0.165	<0.000344	84.8	30-130	6.2	30	
Pyrene	0.113	0.000387	"	0.165	0.000546	68.4	30-130	0	30	
Chrysene	0.124	0.000256	"	0.165	0.00128	74.3	30-130	0.8	30	
Naphthalene	0.103	0.000467	"	0.165	0.000481	62.4	30-130	1.9	30	
1-Methylnaphthalene	0.105	0.00048	"	0.165	0.00525	60.4	30-130	5.5	30	
Benzo(b)fluoranthene	0.0984	0.000138	"	0.165	<0.000138	59.6	30-130	4.5	30	
Benzo(a)pyrene	0.117	0.000133	"	0.165	<0.000133	70.9	30-130	3.3	30	
Benzo(a)anthracene	0.127	0.000441	"	0.165	<0.000441	76.9	30-130	8.3	30	
Anthracene	0.116	0.000426	"	0.165	<0.000426	70.3	30-130	2.5	30	
Acenaphthene	0.106	0.000431	"	0.165	<0.000431	64.2	30-130	0.9	30	
2-Methylnaphthalene	0.107	0.000542	"	0.165	0.0103	58.6	30-130	5.4	30	
Benzo(k)fluoranthene	0.0836	0.000486	"	0.165	<0.000486	50.6	30-130	6.1	30	

Surrogate: Nitrobenzene-d5	62.1	"	0.33	222	62.1	29-110	
Surrogate: 2-Fluorobiphenyl	60.9	"	0.33	210	60.9	33-115	
Surrogate: 4-Terphenyl-d14	68.4	"	0.33	239	68.4	33-122	

MS (L 92184-MS-L569618)

Source: 92184

Prepared: 08/18/2021 Analyzed: 08/18/2021

Benzo(a)pyrene	0.121	0.000133	mg/Kg	0.166	<0.000133	72.8	30-130	
Acenaphthene	0.107	0.000431	"	0.166	<0.000431	64.4	30-130	
2-Methylnaphthalene	0.113	0.000542	"	0.166	0.0103	61.8	30-130	
Benzo(a)anthracene	0.138	0.000441	"	0.166	<0.000441	83.1	30-130	
1-Methylnaphthalene	0.111	0.00048	"	0.166	0.00525	63.7	30-130	
Naphthalene	0.105	0.000467	"	0.166	0.000481	63.2	30-130	
Anthracene	0.119	0.000426	"	0.166	<0.000426	71.6	30-130	

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569618 - 3550B

MS (L 92184-MS-L569618)

Source: 92184

Prepared: 08/18/2021 Analyzed: 08/18/2021

Indeno(1,2,3-cd)pyrene	0.149	0.000344	mg/Kg	0.166	<0.000344	89.7	30-130			
Fluorene	0.115	0.000501	"	0.166	0.00631	65.4	30-130			
Fluoranthene	0.116	0.000529	"	0.166	<0.000529	69.8	30-130			
Dibenz(a,h)anthracene	0.147	0.000279	"	0.166	<0.000279	88.5	30-130			
Chrysene	0.123	0.000256	"	0.166	0.00128	73.3	30-130			
Benzo(k)fluoranthene	0.0889	0.000486	"	0.166	<0.000486	53.5	30-130			
Benzo(b)fluoranthene	0.103	0.000138	"	0.166	<0.000138	62	30-130			
Pyrene	0.113	0.000387	"	0.166	0.000546	68	30-130			

Surrogate: 4-Terphenyl-d14
Surrogate: 2-Fluorobiphenyl
Surrogate: Nitrobenzene-d5

	67.1		"	0.332	239	67.1	33-122			
	65.3		"	0.332	210	65.3	33-115			
	67.4		"	0.332	222	67.4	29-110			

LCS (LCS-L569618)

Prepared: 08/18/2021 Analyzed: 08/18/2021

Naphthalene	0.108	0.000467	mg/Kg	0.167		64.6	30-130			
Benzo(a)pyrene	0.122	0.000133	"	0.167		73	30-130			
2-Methylnaphthalene	0.109	0.000542	"	0.167		65.2	30-130			
Acenaphthene	0.11	0.000431	"	0.167		65.8	30-130			
Anthracene	0.119	0.000426	"	0.167		71.2	30-130			
Benzo(a)anthracene	0.131	0.000441	"	0.167		78.4	30-130			
Benzo(b)fluoranthene	0.0975	0.000138	"	0.167		58.3	30-130			
Benzo(k)fluoranthene	0.0862	0.000486	"	0.167		51.6	30-130			
Dibenz(a,h)anthracene	0.141	0.000279	"	0.167		84.4	30-130			
1-Methylnaphthalene	0.109	0.00048	"	0.167		65.2	30-130			
Indeno(1,2,3-cd)pyrene	0.134	0.000344	"	0.167		80.2	30-130			
Chrysene	0.123	0.000256	"	0.167		73.6	30-130			
Pyrene	0.113	0.000387	"	0.167		67.6	30-130			
Fluorene	0.113	0.000501	"	0.167		67.6	30-130			

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569618 - 3550B

LCS (LCS-L569618)

Prepared: 08/18/2021 Analyzed: 08/18/2021

Fluoranthene	0.117	0.000529	mg/Kg	0.167	70	30-130				
Surrogate: 2-Fluorobiphenyl	73.2		"	0.333	73.2	33-115				
Surrogate: 4-Terphenyl-d14	70.5		"	0.333	70.5	33-122				
Surrogate: Nitrobenzene-d5	69		"	0.333	69	29-110				
LRB (LRB-L569618)										Prepared: 08/18/2021 Analyzed: 08/18/2021

Fluorene	ND	0.00067	mg/Kg			-				
Fluoranthene	ND	0.00067	"			-				
Dibenz(a,h)anthracene	ND	0.00067	"			-				
Chrysene	ND	0.00067	"			-				
Indeno(1,2,3-cd)pyrene	ND	0.00067	"			-				
Benzo(k)fluoranthene	ND	0.00067	"			-				
Benzo(b)fluoranthene	ND	0.00067	"			-				
Anthracene	ND	0.00067	"			-				
Benzo(a)anthracene	ND	0.00067	"			-				
1-Methylnaphthalene	ND	0.00067	"			-				
Naphthalene	ND	0.00067	"			-				
2-Methylnaphthalene	ND	0.00067	"			-				
Acenaphthene	ND	0.00067	"			-				
Pyrene	ND	0.00067	"			-				
Benzo(a)pyrene	ND	0.00067	"			-				
Surrogate: 2-Fluorobiphenyl	72.3		"	0.333	72.3	33-115				
Surrogate: 4-Terphenyl-d14	69.9		"	0.333	69.9	33-122				
Surrogate: Nitrobenzene-d5	71.4		"	0.333	71.4	29-110				

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569810 - 3050B

MSD (L 92230-MSD-L569810)					Source: Y108345-05					Prepared: 08/18/2021 Analyzed: 08/22/2021	
Copper	10.9	0.0806	mg/Kg	2.36	9.58	56	75-125	12.8	80	*	
Arsenic	4.82	0.0855	"	2.36	3.05	75	75-125	0.2	80		
Lead	11	0.031	"	2.36	9.35	70	75-125	16.6	80	*	
Nickel	12.7	0.0633	"	2.36	10.3	102	75-125	8.3	80		
Selenium	3.73	0.103	"	4.73	0.458	69	75-125	0.8	80	*	
Silver	0.485	0.0067	"	0.473	0.0446	103	75-125	1.4	80		
Zinc	63.2	0.534	"	23.6	43.6	83	75-125	10.9	80		
Cadmium	0.574	0.0259	"	0.473	0.114	121	75-125	5.5	80		
Barium	75.8	0.042	"	4.73	82.5	NR	75-125	23.6	80	*	

MS (L 92230-MS-L569810)					Source: Y108345-05					Prepared: 08/18/2021 Analyzed: 08/22/2021	
Silver	0.478	0.0067	mg/Kg	0.459	0.0446	104	75-125				
Zinc	70.5	0.534	"	22.9	43.6	117	75-125				
Selenium	3.7	0.103	"	4.59	0.458	71	75-125			*	
Nickel	13.8	0.0633	"	2.29	10.3	153	75-125			*	
Lead	13	0.031	"	2.29	9.35	159	75-125			*	
Copper	12.4	0.0806	"	2.29	9.58	123	75-125				
Cadmium	0.607	0.0259	"	0.459	0.114	132	75-125			*	
Arsenic	4.81	0.0855	"	2.29	3.05	77	75-125				
Barium	96.1	0.042	"	4.59	82.5	296	75-125			*	

LCS (LCS-L569810) Prepared: 08/18/2021 Analyzed: 08/22/2021

Selenium	5	0.103	mg/Kg	5	100	80-120	
Silver	0.512	0.0067	"	0.5	102	80-120	
Nickel	2.59	0.0633	"	2.5	104	80-120	
Lead	2.51	0.031	"	2.5	100	80-120	
Copper	2.71	0.0806	"	2.5	108	80-120	

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569810 - 3050B

LCS (LCS-L569810)										Prepared: 08/18/2021 Analyzed: 08/22/2021
Cadmium	0.493	0.0259	mg/Kg	0.5		99	80-120			
Barium	5.21	0.042	"	5		104	80-120			
Arsenic	2.56	0.0855	"	2.5		102	80-120			
Zinc	24.3	0.534	"	25		97	80-120			
LRB (LRB-L569810)										Prepared: 08/18/2021 Analyzed: 08/22/2021

Zinc	ND	2.5	mg/Kg				-			
Lead	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	0.0898	0.25	"				-			J
Arsenic	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569627 -

DUP (L 92181-DUP)		Source: 92181			Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	ND	1.22	mg/Kg		<2.50	-	0	20		
MS (L 92181-MS)		Source: 92181			Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	5.08	1.26	mg/Kg	8.3	<1.26	61	75-125			*
LCS (LCS)					Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	6.97	0.244	mg/Kg	8		87	75-125			
LRB (LRB)					Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg			-				

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

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.

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



August 23, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. August 13, 2021. This project is associated with Origins project number Y108308-01.

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





Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP03@7'	Y108308-01	Soil	August 13, 2021 13:25	08/13/2021 16:05
BKG02@7'	Y108308-02	Soil	August 13, 2021 14:05	08/13/2021 16:05
Sepcomp01	Y108308-03	Soil	August 13, 2021 14:40	08/13/2021 16:05
Comp02	Y108308-04	Soil	August 13, 2021 14:45	08/13/2021 16:05

Origins Laboratory, Inc.

A handwritten signature in black ink, appearing to read "Jmerrill".

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

ORIGINS

LABORATORY, INC

www.originslaboratory.com

Y108308

page 1 of 1

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Client: Extraction Oil and Gas Project Manager: Maggie Graham
Address: 370 17th St, Ste. 5300, Project Name: Donley 2-36
Denver, CO, 80202 Project Number: _____
Telephone Number: 907-538-7699 Samples Collected By: Alex Annadian, Apex Companies
Email Address: denvermediation@apexcos.micromed.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis						Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	EC + SAR	GC/MS	DIC/ORB	Molybdenum		915 TMB	PH, EC, SAR	
SEPO3@7' AA	8/13/21	13:25	2						X										1
SEPO3@7'	8/13/21	13:25	2						X		X								2
BKG02@7'		14:05	2						X									Metals & Inorganics	3
Sepcomp01		14:40	2									X	X	X	X				4
Comp02	↓	14:45	2									X	X	X	X				5
																			6
																			7
																			8
																			9
																			10
Relinquished By: <i>ap</i>	Date: 8/13/21	Time: 16:05	Received By: <i>Jmeint</i>	Date: 8-13-21	Time: 1605	Turnaround Time:													
Relinquished By:	Date:	Time:	Received By:	Date:	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"/>													

Temp Received: 74

Date Results Needed

Origins Laboratory, Inc.

Jmeint

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEP03@7'

8/13/2021 1:25:00PM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Origins Laboratory, Inc.
Y108308-01 (Soil)

Metals by Saturated Paste

Calcium	1.19	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Magnesium	3.11	0.0823	"	"	"	CJM	"	"	
Sodium	25.1	0.0435	"	"	"	CJM	"	"	

SAR by 20B Saturated Paste

SAR	17.1		SAR	"	B1H1809	CJM	"	"	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	2.78	0.00500	mmhos/cm	1	B1H1806	TSH	08/18/2021	08/18/2021	
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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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

BKG02@7'
8/13/2021 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y108308-02 (Soil)

Boron (DTPA Sorbitol)

Boron	2.54	0.198	mg/L	1	B1H1605	JMA	08/16/2021	08/17/2021	
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Metals by Saturated Paste

Calcium	4.40	0.0499	meq/L	"	[CALC]	CJM	08/18/2021	08/19/2021	
Magnesium	7.58	0.0823	"	"	"	CJM	"	"	
Sodium	29.2	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.10		pH Units	1	B1H1803	TSH	08/18/2021	08/18/2021	
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SAR by 20B Saturated Paste

SAR	12.0		SAR	1	B1H1809	CJM	08/18/2021	08/19/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	3.73	0.00500	mmhos/cm	1	B1H1806	TSH	08/18/2021	08/18/2021	
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Total Metals by 6020B

Arsenic	2.36	0.25	mg/Kg	5	L569810		08/18/2021	08/22/2021	
Barium	96.6	0.25	"	"	"		"	"	
Cadmium	0.193	0.25	"	"	"		"	"	J
Copper	10.2	0.25	"	"	"		"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

BKG02@7'
8/13/2021 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y108308-02 (Soil)

Total Metals by 6020B

Lead	10.3	0.25	mg/Kg	5	L569810		08/18/2021	08/22/2021	
Nickel	10.5	0.25	"	"	"		"	"	
Selenium	0.508	0.25	"	"	"		"	"	
Silver	0.0456	0.25	"	"	"		"	"	J
Zinc	43.7	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1	mg/Kg	2	L569627		08/13/2021	08/18/2021	
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Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Seecom01
8/13/2021 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y108308-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.85	0.201	mg/L	1	B1H1605	JMA	08/16/2021	08/17/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	71.1	25.0	mg/kg	1	B1H1330	DJL	08/13/2021	08/14/2021	
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	103 %	50-150	"	"	"	"	"	"	
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GBTEx+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1307	KDK	08/13/2021	08/13/2021	U
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	5.83	0.200	"	"	"	KDK	"	"	
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	89.4 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	107 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	70-130	"	"	"	"	"	"	

Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Seedcomb01

8/13/2021 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y108308-03 (Soil)

Metals by Saturated Paste

Calcium	8.30	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Magnesium	14.3	0.0823	"	"	"	CJM	"	"	
Sodium	29.0	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	7.96		pH Units	1	B1H1803	TSH	08/18/2021	08/18/2021	
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SAR by 20B Saturated Paste

SAR	8.62		SAR	1	B1H1809	CJM	08/18/2021	08/19/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	4.07	0.00500	mmhos/cm	1	B1H1806	TSH	08/18/2021	08/18/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Comp02

8/13/2021 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108308-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.03	0.201	mg/L	1	B1H1605	JMA	08/16/2021	08/17/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1330	DJL	08/13/2021	08/14/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	93.1 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1307	KDK	08/13/2021	08/13/2021	U
Naphthalene	ND	0.00380	"	"	"	KDK	"	"	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Surrogate: 4-Bromofluorobenzene

	94.0 %	70-130	"	"	"	"	"	"	
	103 %	70-130	"	"	"	"	"	"	
	99.0 %	70-130	"	"	"	"	"	"	

Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Comp02

8/13/2021 2:45:00PM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Origins Laboratory, Inc.

Y108308-04 (Soil)

Metals by Saturated Paste

Calcium	1.06	0.0499	meq/L	1	[CALC]	CJM	08/18/2021	08/19/2021	
Magnesium	0.992	0.0823	"	"	"	CJM	"	"	
Sodium	12.4	0.0435	"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.32		pH Units	1	B1H1803	TSH	08/18/2021	08/18/2021	
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SAR by 20B Saturated Paste

SAR	12.2		SAR	1	B1H1809	CJM	08/18/2021	08/19/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.49	0.00500	mmhos/cm	1	B1H1806	TSH	08/18/2021	08/18/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1307 - EPA 5030 (soil)

Blank (B1H1307-BLK1)

Prepared: 08/13/2021 Analyzed: 08/13/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1307 - EPA 5030 (soil)

LCS (B1H1307-BS1)

Prepared: 08/13/2021 Analyzed: 08/13/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.0546	0.00200	mg/kg	0.0500		109	70-130			
Naphthalene	0.0498	0.0100	"	0.0500		99.5	70-130			
1,3,5-Trimethylbenzene	0.0531	0.00200	"	0.0500		106	70-130			
Benzene	0.0435	0.00200	"	0.0500		87.0	70-130			
Ethylbenzene	0.0513	0.00200	"	0.0500		103	70-130			
m,p-Xylene	0.109	0.00400	"	0.100		109	70-130			
o-Xylene	0.0532	0.00200	"	0.0500		106	70-130			
Toluene	0.0552	0.00200	"	0.0500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.5	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.3	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Batch B1H1307 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1H1307-MS1)		Source: Y108281-01		Prepared: 08/13/2021 Analyzed: 08/13/2021						
1,2,4-Trimethylbenzene	0.0548	0.00200	mg/kg	0.0500	0.000480	109	70-130			
Naphthalene	0.0482	0.0100	"	0.0500	0.00392	88.5	70-130			
1,3,5-Trimethylbenzene	0.0540	0.00200	"	0.0500	ND	108	70-130			
Benzene	0.0469	0.00200	"	0.0500	ND	93.8	70-130			
Ethylbenzene	0.0541	0.00200	"	0.0500	ND	108	70-130			
m,p-Xylene	0.114	0.00400	"	0.100	0.000500	113	70-130			
o-Xylene	0.0557	0.00200	"	0.0500	ND	111	70-130			
Toluene	0.0554	0.00200	"	0.0500	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.7	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1307 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1H1307-MSD1)		Source: Y108281-01		Prepared: 08/13/2021 Analyzed: 08/13/2021						
1,2,4-Trimethylbenzene	0.0570	0.00200	mg/kg	0.0500	0.000480	113	70-130	4.04	20	
Naphthalene	0.0555	0.0100	"	0.0500	0.00392	103	70-130	14.1	20	
1,3,5-Trimethylbenzene	0.0558	0.00200	"	0.0500	ND	112	70-130	3.24	20	
Benzene	0.0486	0.00200	"	0.0500	ND	97.1	70-130	3.52	20	
Ethylbenzene	0.0561	0.00200	"	0.0500	ND	112	70-130	3.66	20	
m,p-Xylene	0.117	0.00400	"	0.100	0.000500	117	70-130	3.15	20	
o-Xylene	0.0579	0.00200	"	0.0500	ND	116	70-130	4.01	20	
Toluene	0.0572	0.00200	"	0.0500	ND	114	70-130	3.16	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.3	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1330 - EPA 3550B

Blank (B1H1330-BLK1)

Prepared: 08/13/2021 Analyzed: 08/14/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	25.0		82.4	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1H1330 - EPA 3550B										

LCS (B1H1330-BS1)										
					Prepared: 08/13/2021 Analyzed: 08/14/2021					
Diesel (C10-C28)	821	50.0	mg/kg	1000		82.1	70-130			
Residual Range Organics (C28-C40)	1060	200	"	1000		106	70-130			
Surrogate: o-Terphenyl	51		"	50.0		102	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1H1330 - EPA 3550B

Matrix Spike (B1H1330-MS1)		Source: Y108306-01			Prepared: 08/13/2021 Analyzed: 08/14/2021					
Diesel (C10-C28)	906	50.0	mg/kg	1000	ND	90.6	70-130			
Residual Range Organics (C28-C40)	1230	200	"	1000	60.7	117	70-130			
Surrogate: o-Terphenyl	54		"	50.0		107	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1H1330 - EPA 3550B

Matrix Spike Dup (B1H1330-MSD1)				Source: Y108306-01		Prepared: 08/13/2021 Analyzed: 08/14/2021				
Diesel (C10-C28)	940	50.0	mg/kg	1000	ND	94.0	70-130	3.62	35	
Residual Range Organics (C28-C40)	1310	200	"	1000	60.7	125	70-130	6.54	35	
Surrogate: o-Terphenyl	52		"	50.0		105	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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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Saturated Paste - 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 B1H1803 - NO PREP

Duplicate (B1H1803-DUP1)	Source: Y108308-02			Prepared: 08/18/2021 Analyzed: 08/18/2021						
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pH 7.98 pH Units 8.10 1.49 25

Batch B1H1806 - NO PREP

Blank (B1H1806-BLK1)	Prepared: 08/18/2021 Analyzed: 08/18/2021									
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Specific Conductance (EC) 0.00140 0.00500 mmhos/cm

Duplicate (B1H1806-DUP1)	Source: Y108308-02			Prepared: 08/18/2021 Analyzed: 08/18/2021						
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Specific Conductance (EC) 3.30 0.00500 mmhos/cm 3.73 12.2 25

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.

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569810 - 3050B

MSD (L 92230-MSD-L569810)					Source: 92230					
					Prepared: 08/18/2021 Analyzed: 08/22/2021					
Arsenic	4.82	0.0855	mg/Kg	2.36	3.05	75	75-125	0.2	80	
Zinc	63.2	0.534	"	23.6	43.6	83	75-125	10.9	80	
Silver	0.485	0.0067	"	0.473	0.0446	103	75-125	1.4	80	
Selenium	3.73	0.103	"	4.73	0.458	69	75-125	0.8	80	*
Nickel	12.7	0.0633	"	2.36	10.3	102	75-125	8.3	80	
Lead	11	0.031	"	2.36	9.35	70	75-125	16.6	80	*
Copper	10.9	0.0806	"	2.36	9.58	56	75-125	12.8	80	*
Cadmium	0.574	0.0259	"	0.473	0.114	121	75-125	5.5	80	
Barium	75.8	0.042	"	4.73	82.5	NR	75-125	23.6	80	*

MS (L 92230-MS-L569810)					Source: 92230					
					Prepared: 08/18/2021 Analyzed: 08/22/2021					
Nickel	13.8	0.0633	mg/Kg	2.29	10.3	153	75-125			*
Silver	0.478	0.0067	"	0.459	0.0446	104	75-125			
Lead	13	0.031	"	2.29	9.35	159	75-125			*
Zinc	70.5	0.534	"	22.9	43.6	117	75-125			
Cadmium	0.607	0.0259	"	0.459	0.114	132	75-125			*
Barium	96.1	0.042	"	4.59	82.5	296	75-125			*
Arsenic	4.81	0.0855	"	2.29	3.05	77	75-125			
Selenium	3.7	0.103	"	4.59	0.458	71	75-125			*
Copper	12.4	0.0806	"	2.29	9.58	123	75-125			

LCS (LCS-L569810)

Prepared: 08/18/2021 Analyzed: 08/22/2021

Nickel	2.59	0.0633	mg/Kg	2.5	104	80-120	
Zinc	24.3	0.534	"	25	97	80-120	
Selenium	5	0.103	"	5	100	80-120	
Lead	2.51	0.031	"	2.5	100	80-120	
Copper	2.71	0.0806	"	2.5	108	80-120	

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L569810 - 3050B

LCS (LCS-L569810)

Prepared: 08/18/2021 Analyzed: 08/22/2021

Barium	5.21	0.042	mg/Kg	5		104	80-120			
Arsenic	2.56	0.0855	"	2.5		102	80-120			
Cadmium	0.493	0.0259	"	0.5		99	80-120			
Silver	0.512	0.0067	"	0.5		102	80-120			

LRB (LRB-L569810)

Prepared: 08/18/2021 Analyzed: 08/22/2021

Arsenic	ND	0.25	mg/Kg				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	0.0898	0.25	"				-			J
Zinc	ND	2.5	"				-			

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L569627 -										
DUP (L 92181-DUP)		Source: 92181			Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	ND	1.22	mg/Kg		<2.50	-		0	20	
MS (L 92181-MS)		Source: 92181			Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	5.08	1.26	mg/Kg	8.3	<1.26	61	75-125			*
LCS (LCS)					Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	6.97	0.244	mg/Kg	8		87	75-125			
LRB (LRB)					Prepared: Analyzed: 08/18/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg			-				

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.

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

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.

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



August 25, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. August 18, 2021. This project is associated with Origins project number Y108404-01.

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



Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SepB01@6'	Y108404-01	Soil	August 18, 2021 14:55	08/18/2021 17:00
SepB02@6'	Y108404-02	Soil	August 18, 2021 14:57	08/18/2021 17:00
SepN01@5'	Y108404-03	Soil	August 18, 2021 14:59	08/18/2021 17:00
SepS01@5'	Y108404-04	Soil	August 18, 2021 15:01	08/18/2021 17:00
SepE01@5'	Y108404-05	Soil	August 18, 2021 15:04	08/18/2021 17:00
SepW01@5'	Y108404-06	Soil	August 18, 2021 15:07	08/18/2021 17:00
PWVGW01@7'	Y108404-07	Water	August 18, 2021 15:50	08/18/2021 17:00
SEPGW01@6'	Y108404-08	Water	August 18, 2021 15:45	08/18/2021 17:00

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

ORIGINS

LABORATORY, INC

www.originslaboratory.com

Y108404

page 1 of 1

Client: Extraction Oil and Gas Project Manager: Maggie Graham
Address: 370 17th St., Ste. 5300 Project Name: Donley 2-36
Denver, CO, 80202 Project Number: 744.2101.01-321345
Telephone Number: 907-638-7699 Samples Collected By: Alex Ahmadian, Apex Companies, LLC
Email Address: denver Remediation@apexcos.onmicroPrt.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Fuel 915	EC, SAR	pH, Boron	
SEP B01 @ G'	8/18/21	14:55	2						X			X			1
SEP B02 @ G'		14:57	2						X			X			2
SEP N01 @ G'		14:59	2						X			X			3
SEP S01 @ G'		15:01	2						X				X	X	4
SEP E01 @ G'		15:04	2						X				X	X	5
SEP W01 @ G'		15:07	2						X				X	X	6
PWV GW01 @ 7'		15:50 PM	4 AA					X	AA			X			7
SEP GW01 @ 6'	✓	15:45 PM	4					X				X			8
		15:55 PM	4					X	AA						9
															10
Relinquished By: <u>red</u>	Date: <u>8/18/21</u>	Time: <u>17:00</u>		Received By: <u>[Signature]</u>	Date: <u>8/18/21</u>	Time: <u>1700</u>	Turnaround Time:								
Relinquished By:	Date:	Time:		Received By:	Date:	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"/>								

Temp Received-

16.3

Date Results Needed

Origins Laboratory, Inc.

[Signature]

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4108404

Client: Apex

Client Project ID: Donley 2-36

Checklist Completed by: SG

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

Date/time completed: 8/18/21

Airbill #:

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

Cooler Number/Temperature: 1 16.3 °C 1 °C 1 °C

Thermometer ID: 1603

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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 analyses or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input 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 volatile in vials, is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative	<input checked="" 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 subcontrasted analyses in order to insure sample integrity) / (pH > 10 for samples preserved with HCl, H2SO4) / (pH > 10 for samples preserved with NaAsO2, NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 8/18/21

Origins Laboratory, Inc.

[Signature]

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SeB01@6'

8/18/2021 2:55:00PM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Origins Laboratory, Inc.
Y108404-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.36	0.200	mg/L	1	B1H1903	JMA	08/19/2021	08/20/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	215	25.0	mg/kg	1	B1H1830	DJL	08/18/2021	08/18/2021	
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	94.2 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBS

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1816	KDK	"	08/18/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	109 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SeepB01@6'

8/18/2021 2:55:00PM

Analyte	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit							

Origins Laboratory, Inc.
Y108404-01 (Soil)

Metals by Saturated Paste

Calcium	22.6	0.0499	meq/L	1	[CALC]	CJM	08/20/2021	08/20/2021	
Magnesium	16.8	0.0823	"	"	"	CJM	"	"	
Sodium	24.3	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.000512	0.00067	mg/Kg	1	L570209		08/20/2021	08/23/2021	J
2-Methylnaphthalene	0.00102	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SepB01@6'

8/18/2021 2:55:00PM

Analyte	Reporting			Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units					

Waypoint Analytical, Inc.

Y108404-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	64.8 %	33-115	L5702 09	08/20/2021	08/23/2021
Surrogate: 4-Terphenyl-d14	73.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58.1 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.90	pH Units	1	B1H2002	DTP	08/20/2021	08/20/2021
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SAR by 20B Saturated Paste

SAR	5.48	SAR	1	B1H2006	CJM	08/20/2021	08/20/2021
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.49	0.00500	mmhos/cm	1	B1H2004	DTP	08/20/2021	08/20/2021
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Total Metals by 6020B

Arsenic	2.48	0.25	mg/Kg	5	L570238	08/20/2021	08/24/2021
Barium	113	0.25	"	"	"	"	"
Cadmium	0.203	0.25	"	"	"	"	" J
Copper	12.7	0.25	"	"	"	"	"
Lead	11.2	0.25	"	"	"	"	"
Nickel	11.9	0.25	"	"	"	"	"
Selenium	0.37	0.25	"	"	"	"	"

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.

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

SeepB01@6'

8/18/2021 2:55:00PM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Waypoint Analytical, Inc.

Y108404-01 (Soil)

Total Metals by 6020B

Silver	0.0686	0.25	mg/Kg	5	L570238	08/20/2021	08/24/2021	J
Zinc	46.8	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.04	mg/Kg	2	L570341	08/18/2021	08/23/2021	
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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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SeepB02@6'

8/18/2021 2:57:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108404-02 (Soil)

Boron (DTPA Sorbitol)

Boron	2.52	0.200	mg/L	1	B1H1903	JMA	08/19/2021	08/20/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1830	DJL	08/18/2021	08/18/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl	94.1 %	50-150	"	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1816	KDK	"	08/18/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	109 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %	70-130	"	"	"	"	"	"	

Metals by Saturated Paste

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SeepB02@6'

8/18/2021 2:57:00PM

Analyte	Reporting			Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units					

Origins Laboratory, Inc.
Y108404-02 (Soil)

Metals by Saturated Paste

Calcium	22.5	0.0499	meq/L	1	[CALC]	CJM	08/20/2021	08/20/2021	
Magnesium	31.1	0.0823	"	"	"	CJM	"	"	
Sodium	74.4	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.000535	0.00067	mg/Kg	1	L570209		08/20/2021	08/23/2021	J
2-Methylnaphthalene	0.00102	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.000303	0.00067	"	"	"		"	"	J
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.000317	0.00067	"	"	"		"	"	J
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

SepB02@6'

8/18/2021 2:57:00PM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Waypoint Analytical, Inc.

Y108404-02 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	69.8 %	33-115	L5702 09	08/20/2021	08/23/2021
Surrogate: 4-Terphenyl-d14	72.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	61 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.26	pH Units	1	B1H2002	DTP	08/20/2021	08/20/2021
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SAR by 20B Saturated Paste

SAR	14.4	SAR	1	B1H2006	CJM	08/20/2021	08/20/2021
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	8.98	0.00500	mmhos/cm	1	B1H2004	DTP	08/20/2021	08/20/2021
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Total Metals by 6020B

Arsenic	2.22	0.25	mg/Kg	5	L570241		08/20/2021	08/24/2021
Barium	94.3	0.25	"	"	"	"	"	"
Cadmium	0.274	0.25	"	"	"	"	"	"
Copper	9.63	0.25	"	"	"	"	"	"
Lead	9.42	0.25	"	"	"	"	"	"
Nickel	10.9	0.25	"	"	"	"	"	"
Selenium	0.406	0.25	"	"	"	"	"	"

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SeepB02@6'
8/18/2021 2:57:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y108404-02 (Soil)

Total Metals by 6020B

Silver	0.0383	0.25	mg/Kg	5	L570241		08/20/2021	08/24/2021	J
Zinc	42.6	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.01	mg/Kg	2	L570341		08/18/2021	08/23/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Sebn01@5'
8/18/2021 2:59:00PM

Origins Laboratory, Inc. Y108404-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Boron (DTPA Sorbitol)									
Boron	2.94	0.200	mg/L	1	B1H1903	JMA	08/19/2021	08/20/2021	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND	25.0	mg/kg	1	B1H1830	DJL	08/18/2021	08/18/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl

85.3 %

50-150

"

"

"

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1H1816	KDK	"	08/18/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Benzene	ND	0.00200	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	KDK	"	"	U
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4

99.3 %

70-130

"

"

"

Surrogate: Toluene-d8

108 %

70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

99.4 %

70-130

"

"

"

Metals by Saturated Paste

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SepN01@5'

8/18/2021 2:59:00PM

Analyte	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit							

Origins Laboratory, Inc.
Y108404-03 (Soil)

Metals by Saturated Paste

Calcium	22.1	0.0499	meq/L	1	[CALC]	CJM	08/20/2021	08/20/2021	
Magnesium	22.4	0.0823	"	"	"	CJM	"	"	
Sodium	45.9	0.0435	"	"	"	CJM	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.000806	0.00067	mg/Kg	1	L570209		08/20/2021	08/23/2021	
2-Methylnaphthalene	0.00165	0.00067	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	0.000749	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SepN01@5'

8/18/2021 2:59:00PM

Analyte	Reporting			Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units					

Waypoint Analytical, Inc. Y108404-03 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	63.7 %	33-115	L5702 09	08/20/2021	08/23/2021	
Surrogate: 4-Terphenyl-d14	74.5 %	33-122	"	"	"	
Surrogate: Nitrobenzene-d5	56.9 %	29-110	"	"	"	

pH in Soil by 9045D

pH	8.00	pH Units	1	B1H2002	DTP	08/20/2021	08/20/2021	
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SAR by 20B Saturated Paste

SAR	9.73	SAR	1	B1H2006	CJM	08/20/2021	08/20/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.56	0.00500	mmhos/cm	1	B1H2004	DTP	08/20/2021	08/20/2021	
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Total Metals by 6020B

Arsenic	2.13	0.25	mg/Kg	5	L570241		08/20/2021	08/24/2021	
Barium	102	0.25	"	"	"	"	"	"	
Cadmium	0.145	0.25	"	"	"	"	"	"	J
Copper	10.2	0.25	"	"	"	"	"	"	
Lead	9.79	0.25	"	"	"	"	"	"	
Nickel	10.3	0.25	"	"	"	"	"	"	
Selenium	0.399	0.25	"	"	"	"	"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SepN01@5'

8/18/2021 2:59:00PM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Waypoint Analytical, Inc.
Y108404-03 (Soil)

Total Metals by 6020B

Silver	0.0417	0.25	mg/Kg	5	L570241		08/20/2021	08/24/2021	J
Zinc	42.7	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.01	mg/Kg	2	L570341		08/18/2021	08/23/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SepS01@5'

8/18/2021 3:01:00PM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y108404-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.00	0.200	mg/L	1	B1H1903	JMA	08/19/2021	08/20/2021	
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Metals by Saturated Paste

Calcium	2.55	0.0499	meq/L	"	[CALC]	CJM	08/20/2021	08/20/2021	
Magnesium	1.93	0.0823	"	"	"	CJM	"	"	
Sodium	5.42	0.0435	"	"	"	CJM	"	"	

pH in Soil by 9045D

pH	8.27		pH Units	1	B1H2002	DTP	08/20/2021	08/20/2021	
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SAR by 20B Saturated Paste

SAR	3.62		SAR	1	B1H2006	CJM	08/20/2021	08/20/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.982	0.00500	mmhos/cm	1	B1H2004	DTP	08/20/2021	08/20/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SepE01@5'
8/18/2021 3:04:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y108404-05 (Soil)

Boron (DTPA Sorbitol)

Boron	1.78	0.200	mg/L	1	B1H1903	JMA	08/19/2021	08/20/2021	
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Metals by Saturated Paste

Calcium	18.1	0.0499	meq/L	"	[CALC]	CJM	08/20/2021	08/20/2021	
Magnesium	20.0	0.0823	"	"	"	CJM	"	"	
Sodium	29.4	0.0435	"	"	"	CJM	"	"	

pH in Soil by 9045D

pH	8.04		pH Units	1	B1H2002	DTP	08/20/2021	08/20/2021	
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SAR by 20B Saturated Paste

SAR	6.74		SAR	1	B1H2006	CJM	08/20/2021	08/20/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.06	0.00500	mmhos/cm	1	B1H2004	DTP	08/20/2021	08/20/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SeedW01@5'

8/18/2021 3:07:00PM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc. Y108404-06 (Soil)

Boron (DTPA Sorbitol)

Boron	2.18	0.200	mg/L	1	B1H1903	JMA	08/19/2021	08/20/2021	
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Metals by Saturated Paste

Calcium	21.0	0.0499	meq/L	"	[CALC]	CJM	08/20/2021	08/20/2021	
Magnesium	30.0	0.0823	"	"	"	CJM	"	"	
Sodium	52.8	0.0435	"	"	"	CJM	"	"	

pH in Soil by 9045D

pH	8.02		pH Units	1	B1H2002	DTP	08/20/2021	08/20/2021	
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SAR by 20B Saturated Paste

SAR	10.5		SAR	1	B1H2006	CJM	08/20/2021	08/20/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.51	0.00500	mmhos/cm	1	B1H2004	DTP	08/20/2021	08/20/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVGW01@7'

8/18/2021 3:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y108404-07 (Water)

Anions by IC 300.0

Chloride	180	31.2	mg/L	125	B1H1921	JMA	08/19/2021	08/19/2021	
Sulfate	1760	31.2	"	"	"	JMA	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1H1609	KDK	08/18/2021	08/18/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Naphthalene	ND	4.00	"	"	"	KDK	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8 102 % 70-130

Surrogate: 4-Bromofluorobenzene 99.0 % 70-130

Total Dissolved Solids by 2540C

Total Dissolved Solids	4220	5.00	mg/L	1	B1H1919	SCL	08/19/2021	08/20/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEPGW01@6'

8/18/2021 3:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y108404-08 (Water)

Anions by IC 300.0

Chloride	116	31.2	mg/L	125	B1H1921	JMA	08/19/2021	08/19/2021	
Sulfate	2110	31.2	"	"	"	JMA	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	4.06	1.00	ug/L	1	B1H1609	KDK	08/18/2021	08/18/2021	
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	1.21	1.00	"	"	"	KDK	"	"	
Naphthalene	ND	4.00	"	"	"	KDK	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	99.3 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.3 %	70-130	"	"	"	"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	4390	5.00	mg/L	1	B1H1919	SCL	08/19/2021	08/20/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1609 - EPA 5030B (Water)

Blank (B1H1609-BLK1)

Prepared: 08/16/2021 Analyzed: 08/17/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		88.9	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1609 - EPA 5030B (Water)

LCS (B1H1609-BS1)

Prepared: 08/16/2021 Analyzed: 08/17/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	52.2	1.00	ug/L	50.0		104	70-130			
1,3,5-Trimethylbenzene	50.6	1.00	"	50.0		101	70-130			
Benzene	48.8	1.00	"	50.0		97.5	70-130			
Ethylbenzene	47.1	1.00	"	50.0		94.2	70-130			
m,p-Xylene	94.7	2.00	"	100		94.7	70-130			
Naphthalene	57.6	4.00	"	50.0		115	70-130			
o-Xylene	48.2	1.00	"	50.0		96.5	70-130			
Toluene	45.6	1.00	"	50.0		91.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.1	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		90.8	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1609 - EPA 5030B (Water)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1H1609-MS1)		Source: Y108323-01			Prepared: 08/16/2021 Analyzed: 08/17/2021					
1,2,4-Trimethylbenzene	ND	1.00	ug/L	50.0	232	NR	70-130			QM-07, U
1,3,5-Trimethylbenzene	555	1.00	"	50.0	513	83.9	70-130			
Benzene	626	1.00	"	50.0	668	NR	70-130			QM-07
Ethylbenzene	41.6	1.00	"	50.0	ND	83.1	70-130			
m,p-Xylene	399	2.00	"	100	1170	NR	70-130			QM-07
Naphthalene	58.8	4.00	"	50.0	33.4	50.8	70-130			QM-07
o-Xylene	58.6	1.00	"	50.0	2.75	112	70-130			
Toluene	48.1	1.00	"	50.0	ND	96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.1	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.3	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1609 - EPA 5030B (Water)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1H1609-MSD1)		Source: Y108323-01			Prepared: 08/16/2021 Analyzed: 08/17/2021					
1,2,4-Trimethylbenzene	ND	1.00	ug/L	50.0	232	NR	70-130		20	QM-07, U
1,3,5-Trimethylbenzene	540	1.00	"	50.0	513	54.6	70-130	2.67	20	QM-07
Benzene	649	1.00	"	50.0	668	NR	70-130	3.56	20	QM-07
Ethylbenzene	42.1	1.00	"	50.0	ND	84.2	70-130	1.36	20	
m,p-Xylene	107	2.00	"	100	1170	NR	70-130	115	20	QM-07, QR-03
Naphthalene	45.2	4.00	"	50.0	33.4	23.7	70-130	26.1	20	QM-07, QR-03
o-Xylene	54.0	1.00	"	50.0	2.75	103	70-130	8.03	20	
Toluene	43.5	1.00	"	50.0	ND	86.9	70-130	10.1	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.4	70-130			
Surrogate: Toluene-d8	65		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		89.8	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1816 - EPA 5030 (soil)

Blank (B1H1816-BLK1)

Prepared: 08/18/2021 Analyzed: 08/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.9	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1816 - EPA 5030 (soil)

LCS (B1H1816-BS1)

Prepared: 08/18/2021 Analyzed: 08/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.0574	0.00200	mg/kg	0.0500		115	70-130			
Naphthalene	0.0553	0.0100	"	0.0500		111	70-130			
1,3,5-Trimethylbenzene	0.0564	0.00200	"	0.0500		113	70-130			
Benzene	0.0430	0.00200	"	0.0500		86.0	70-130			
Ethylbenzene	0.0543	0.00200	"	0.0500		109	70-130			
m,p-Xylene	0.114	0.00400	"	0.100		114	70-130			
o-Xylene	0.0552	0.00200	"	0.0500		110	70-130			
Toluene	0.0543	0.00200	"	0.0500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.3	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		112	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1816 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1H1816-MS1)		Source: Y108399-03		Prepared: 08/18/2021 Analyzed: 08/19/2021						
1,2,4-Trimethylbenzene	0.0619	0.00200	mg/kg	0.0500	0.00152	121	70-130			
Naphthalene	0.0661	0.0100	"	0.0500	0.00262	127	70-130			
1,3,5-Trimethylbenzene	0.0586	0.00200	"	0.0500	0.000720	116	70-130			
Benzene	0.0492	0.00200	"	0.0500	0.00270	93.0	70-130			
Ethylbenzene	0.0571	0.00200	"	0.0500	ND	114	70-130			
m,p-Xylene	0.122	0.00400	"	0.100	0.00368	118	70-130			
o-Xylene	0.0597	0.00200	"	0.0500	0.000920	118	70-130			
Toluene	0.0616	0.00200	"	0.0500	0.00618	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1816 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1H1816-MSD1)		Source: Y108399-03		Prepared: 08/18/2021 Analyzed: 08/19/2021						
1,2,4-Trimethylbenzene	0.0568	0.00200	mg/kg	0.0500	0.00152	110	70-130	8.60	20	
Naphthalene	0.0621	0.0100	"	0.0500	0.00262	119	70-130	6.18	20	
1,3,5-Trimethylbenzene	0.0549	0.00200	"	0.0500	0.000720	108	70-130	6.45	20	
Benzene	0.0468	0.00200	"	0.0500	0.00270	88.1	70-130	5.13	20	
Ethylbenzene	0.0536	0.00200	"	0.0500	ND	107	70-130	6.43	20	
m,p-Xylene	0.115	0.00400	"	0.100	0.00368	111	70-130	6.06	20	
o-Xylene	0.0562	0.00200	"	0.0500	0.000920	111	70-130	5.94	20	
Toluene	0.0580	0.00200	"	0.0500	0.00618	104	70-130	6.02	20	

Surrogate: 1,2-Dichloroethane-d4	0.12	"	0.125	96.3	70-130
Surrogate: Toluene-d8	0.14	"	0.125	108	70-130
Surrogate: 4-Bromofluorobenzene	0.12	"	0.125	99.6	70-130

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1H1830 - EPA 3550B

Blank (B1H1830-BLK1)

Prepared: 08/18/2021 Analyzed: 08/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	25.0		92.5	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Batch B1H1830 - EPA 3550B

LCS (B1H1830-BS1)

Prepared: 08/18/2021 Analyzed: 08/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel (C10-C28)	804	50.0	mg/kg	1000		80.4	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000		100	70-130			
Surrogate: o-Terphenyl	45		"	50.0		89.9	50-150			

Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Batch B1H1830 - EPA 3550B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1H1830-MS1)		Source: Y108399-03			Prepared: 08/18/2021 Analyzed: 08/18/2021					
Diesel (C10-C28)	940	50.0	mg/kg	1000	ND	94.0	70-130			
Residual Range Organics (C28-C40)	1390	200	"	1000	46.7	134	70-130			QM-07
Surrogate: o-Terphenyl	53		"	50.0		106	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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 B1H1830 - EPA 3550B

Matrix Spike Dup (B1H1830-MSD1)		Source: Y108399-03			Prepared: 08/18/2021 Analyzed: 08/18/2021					
Diesel (C10-C28)	899	50.0	mg/kg	1000	ND	89.9	70-130	4.54	35	
Residual Range Organics (C28-C40)	1180	200	"	1000	46.7	114	70-130	16.0	35	
Surrogate: o-Terphenyl	50		"	50.0		101	50-150			

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Extractable Petroleum Hydrocarbons by 8015D - 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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Classical Chemistry Parameters - 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 B1H1919 - NO PREP

Blank (B1H1919-BLK1)

Prepared: 08/19/2021 Analyzed: 08/20/2021

Total Dissolved Solids ND 5.00 mg/L

LCS (B1H1919-BS1) Prepared: 08/19/2021 Analyzed: 08/20/2021

Total Dissolved Solids 979 5.00 mg/L 1000 97.9 85-115

Duplicate (B1H1919-DUP1) Source: Y108401-05 Prepared: 08/19/2021 Analyzed: 08/20/2021

Total Dissolved Solids 2040 5.00 mg/L 2100 2.80 20

Batch B1H1921 - Filter .45um non acidified

Blank (B1H1921-BLK1)

Prepared: 08/19/2021 Analyzed: 08/19/2021

Chloride ND 0.250 mg/L

Fluoride ND 0.100 "

Bromide ND 0.100 "

Sulfate ND 0.250 "

Nitrate ND 0.100 "

Nitrite ND 0.250 "

Phosphate ND 0.100 "

LCS (B1H1921-BS1) Prepared: 08/19/2021 Analyzed: 08/19/2021

Chloride 3.87 0.250 mg/L 4.00 96.8 90-110

Fluoride ND 0.100 " 4.00 90-110

Bromide ND 0.100 " 4.00 90-110

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Batch B1H1921 - Filter .45um non acidified

LCS (B1H1921-BS1)

Prepared: 08/19/2021 Analyzed: 08/19/2021

Sulfate	3.72	0.250	mg/L	4.00	93.1	90-110			
Nitrate	3.94	0.100	"	4.00	98.5	90-110			
Nitrite	ND	0.250	"	4.00		90-110			
Phosphate	ND	0.100	"	4.00		90-110			

Matrix Spike (B1H1921-MS1)

Source: Y108401-05

Prepared: 08/19/2021 Analyzed: 08/19/2021

Chloride	616		mg/L	500	126	97.9	80-120		
Fluoride	0.00		"	500	0.00		80-120		
Bromide	0.00		"	500	0.00		80-120		
Sulfate	1420		"	500	950	94.3	80-120		
Nitrate	495		"	500	0.00	99.0	80-120		
Nitrite	0.00		"	500	0.00		80-120		
Phosphate	0.00		"	500	0.00		80-120		

Matrix Spike Dup (B1H1921-MSD1)

Source: Y108401-05

Prepared: 08/19/2021 Analyzed: 08/19/2021

Chloride	609		mg/L	500	126	96.7	80-120	1.02	20
Fluoride	0.00		"	500	0.00		80-120		20
Bromide	0.00		"	500	0.00		80-120		20
Sulfate	1420		"	500	950	93.6	80-120	0.251	20
Nitrate	489		"	500	0.00	97.8	80-120	1.26	20
Nitrite	0.00		"	500	0.00		80-120		20
Phosphate	0.00		"	500	0.00		80-120		20

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1H2002 - NO PREP										
Duplicate (B1H2002-DUP1)		Source: Y108402-01			Prepared: 08/20/2021 Analyzed: 08/20/2021					
pH	8.58		pH Units		8.58			0.00	25	
Batch B1H2004 - NO PREP										
Blank (B1H2004-BLK1)										
Prepared: 08/20/2021 Analyzed: 08/20/2021										
Specific Conductance (EC)	0.00180	0.00500	mmhos/cm							
Duplicate (B1H2004-DUP1)		Source: Y108402-01			Prepared: 08/20/2021 Analyzed: 08/20/2021					
Specific Conductance (EC)	2.48	0.00500	mmhos/cm		2.48			0.101	25	

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570209 - 3550B

MSD (L 92114-MSD-L570209)

Source: 92114

Prepared: 08/20/2021 Analyzed: 08/23/2021

Benzo(k)fluoranthene	0.123	0.000486	mg/Kg dry	0.163	<0.000486	75.4	30-130	0.8	30	
1-Methylnaphthalene	0.103	0.00048	"	0.163	0.000919	62.6	30-130	9.2	30	
2-Methylnaphthalene	0.102	0.000542	"	0.163	0.00277	60.8	30-130	9.3	30	
Acenaphthene	0.11	0.000431	"	0.163	<0.000431	67.4	30-130	6.1	30	
Anthracene	0.124	0.000426	"	0.163	<0.000426	76	30-130	4.7	30	
Benzo(a)anthracene	0.137	0.000441	"	0.163	<0.000441	84	30-130	1.4	30	
Pyrene	0.126	0.000387	"	0.163	<0.000387	77.3	30-130	0	30	
Naphthalene	0.0975	0.000467	"	0.163	0.00135	58.9	30-130	9.2	30	
Indeno(1,2,3-cd)pyrene	0.0867	0.000344	"	0.163	<0.000344	53.1	30-130	1.5	30	
Fluorene	0.112	0.000501	"	0.163	<0.000501	68.7	30-130	7.7	30	
Fluoranthene	0.127	0.000529	"	0.163	<0.000529	77.9	30-130	1.5	30	
Dibenz(a,h)anthracene	0.0885	0.000279	"	0.163	<0.000279	54.2	30-130	4.3	30	
Chrysene	0.129	0.000256	"	0.163	<0.000256	79.1	30-130	3	30	
Benzo(b)fluoranthene	0.105	0.000138	"	0.163	<0.000138	64.4	30-130	0	30	
Benzo(a)pyrene	0.12	0.000133	"	0.163	<0.000133	73.6	30-130	1.6	30	

Surrogate: 2-Fluorobiphenyl 68.4 " 0.326 211 68.4 33-115
 Surrogate: 4-Terphenyl-d14 78.2 " 0.326 233 78.2 33-122
 Surrogate: Nitrobenzene-d5 59.5 " 0.326 182 59.5 29-110

MS (L 92114-MS-L570209)

Source: 92114

Prepared: 08/20/2021 Analyzed: 08/23/2021

Dibenz(a,h)anthracene	0.0924	0.000279	mg/Kg dry	0.164	<0.000279	56.3	30-130			
Benzo(k)fluoranthene	0.124	0.000486	"	0.164	<0.000486	75.6	30-130			
Pyrene	0.126	0.000387	"	0.164	<0.000387	76.8	30-130			
Naphthalene	0.107	0.000467	"	0.164	0.00135	64.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0854	0.000344	"	0.164	<0.000344	52	30-130			
Fluoranthene	0.125	0.000529	"	0.164	<0.000529	76.2	30-130			
Chrysene	0.133	0.000256	"	0.164	<0.000256	81	30-130			

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570209 - 3550B

MS (L 92114-MS-L570209)		Source: 92114		Prepared: 08/20/2021 Analyzed: 08/23/2021						
2-Methylnaphthalene	0.112	0.000542	mg/Kg dry	0.164	0.00277	66.6	30-130			
Fluorene	0.121	0.000501	"	0.164	<0.000501	73.7	30-130			
Benzo(b)fluoranthene	0.105	0.000138	"	0.164	<0.000138	64	30-130			
1-Methylnaphthalene	0.113	0.00048	"	0.164	0.000919	68.3	30-130			
Acenaphthene	0.117	0.000431	"	0.164	<0.000431	71.3	30-130			
Anthracene	0.13	0.000426	"	0.164	<0.000426	79.2	30-130			
Benzo(a)anthracene	0.139	0.000441	"	0.164	<0.000441	84.7	30-130			
Benzo(a)pyrene	0.122	0.000133	"	0.164	<0.000133	74.3	30-130			
Surrogate: Nitrobenzene-d5	59.4		"	0.328	182	59.4	29-110			
Surrogate: 2-Fluorobiphenyl	68.5		"	0.328	217	68.5	33-115			
Surrogate: 4-Terphenyl-d14	76.5		"	0.328	233	76.5	33-122			
LCS (LCS-L570209)										
Prepared: 08/20/2021 Analyzed: 08/23/2021										
Pyrene	0.121	0.000387	mg/Kg	0.167		72.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0843	0.000344	"	0.167		50.4	30-130			
Benzo(b)fluoranthene	0.105	0.000138	"	0.167		62.8	30-130			
Anthracene	0.126	0.000426	"	0.167		75.4	30-130			
Benzo(a)anthracene	0.134	0.000441	"	0.167		80.2	30-130			
Benzo(a)pyrene	0.118	0.000133	"	0.167		70.6	30-130			
Benzo(k)fluoranthene	0.117	0.000486	"	0.167		70	30-130			
Chrysene	0.129	0.000256	"	0.167		77.2	30-130			
Dibenz(a,h)anthracene	0.0891	0.000279	"	0.167		53.3	30-130			
Fluorene	0.118	0.000501	"	0.167		70.6	30-130			
Naphthalene	0.105	0.000467	"	0.167		62.8	30-130			
1-Methylnaphthalene	0.111	0.00048	"	0.167		66.4	30-130			
2-Methylnaphthalene	0.111	0.000542	"	0.167		66.4	30-130			
Fluoranthene	0.124	0.000529	"	0.167		74.2	30-130			

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.

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570209 - 3550B

LCS (LCS-L570209)

Prepared: 08/20/2021 Analyzed: 08/23/2021

Acenaphthene	0.114	0.000431	mg/Kg	0.167	68.2	30-130				
Surrogate: 2-Fluorobiphenyl	80.7		"	0.333	80.7	33-115				
Surrogate: 4-Terphenyl-d14	81.9		"	0.333	81.9	33-122				
Surrogate: Nitrobenzene-d5	64.2		"	0.333	64.2	29-110				
LRB (LRB-L570209)										Prepared: 08/20/2021 Analyzed: 08/23/2021

2-Methylnaphthalene	ND	0.00067	mg/Kg			-				
Benzo(k)fluoranthene	ND	0.00067	"			-				
Benzo(a)pyrene	ND	0.00067	"			-				
Benzo(a)anthracene	ND	0.00067	"			-				
Anthracene	ND	0.00067	"			-				
Dibenz(a,h)anthracene	ND	0.00067	"			-				
Chrysene	ND	0.00067	"			-				
1-Methylnaphthalene	ND	0.00067	"			-				
Naphthalene	ND	0.00067	"			-				
Indeno(1,2,3-cd)pyrene	ND	0.00067	"			-				
Pyrene	ND	0.00067	"			-				
Acenaphthene	ND	0.00067	"			-				
Fluorene	ND	0.00067	"			-				
Fluoranthene	ND	0.00067	"			-				
Benzo(b)fluoranthene	ND	0.00067	"			-				
Surrogate: Nitrobenzene-d5	62.1		"	0.333	62.1	29-110				
Surrogate: 4-Terphenyl-d14	74.4		"	0.333	74.4	33-122				
Surrogate: 2-Fluorobiphenyl	71.4		"	0.333	71.4	33-115				

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570241 - 3050B

MSD (L 93499-MSD-L570241)					Source: 93499					Prepared: 08/20/2021 Analyzed: 08/24/2021				
Lead	12.7	0.031	mg/Kg	2.42	10	112	75-125	1.5	80					
Arsenic	5.21	0.0855	"	2.42	3.43	74	75-125	2.7	80	*				
Barium	574	0.042	"	4.83	159	NR	75-125	107	80	*				
Copper	14.4	0.0806	"	2.42	11.9	104	75-125	1.3	80					
Nickel	16	0.0633	"	2.42	13.1	120	75-125	1.8	80					
Selenium	3.58	0.103	"	4.83	0.36	67	75-125	3.1	80	*				
Silver	0.514	0.0067	"	0.483	0.0224	106	75-125	4.5	80					
Zinc	69.6	0.534	"	24.2	45.8	99	75-125	0.1	80					
Cadmium	0.697	0.0259	"	0.483	0.19	144	75-125	4.8	80	*				

MS (L 93499-MS-L570241)					Source: 93499					Prepared: 08/20/2021 Analyzed: 08/24/2021				
Arsenic	5.07	0.0855	mg/Kg	2.38	3.43	69	75-125			*				
Barium	174	0.042	"	4.77	159	315	75-125			*				
Cadmium	0.664	0.0259	"	0.477	0.19	139	75-125			*				
Lead	12.5	0.031	"	2.38	10	105	75-125							
Nickel	16.3	0.0633	"	2.38	13.1	134	75-125			*				
Copper	14.6	0.0806	"	2.38	11.9	113	75-125							
Zinc	69.7	0.534	"	23.8	45.8	100	75-125							
Selenium	3.47	0.103	"	4.77	0.36	65	75-125			*				
Silver	0.491	0.0067	"	0.477	0.0224	103	75-125							

LCS (LCS-L570241) Prepared: 08/20/2021 Analyzed: 08/24/2021

Silver	0.498	0.0067	mg/Kg	0.5	100	80-120								
Arsenic	2.19	0.0855	"	2.5	88	80-120								
Barium	5.29	0.042	"	5	106	80-120								
Cadmium	0.457	0.0259	"	0.5	91	80-120								
Copper	2.4	0.0806	"	2.5	96	80-120								

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570241 - 3050B

LCS (LCS-L570241)

Prepared: 08/20/2021 Analyzed: 08/24/2021

Lead	2.44	0.031	mg/Kg	2.5	98	80-120			
Selenium	4.42	0.103	"	5	88	80-120			
Zinc	23	0.534	"	25	92	80-120			
Nickel	2.4	0.0633	"	2.5	96	80-120			

LRB (LRB-L570241)

Prepared: 08/20/2021 Analyzed: 08/24/2021

Selenium	ND	0.25	mg/Kg	-					
Arsenic	ND	0.25	"	-					
Barium	0.117	0.25	"	-					J
Cadmium	ND	0.25	"	-					
Copper	ND	0.25	"	-					
Lead	ND	0.25	"	-					
Zinc	ND	2.5	"	-					
Nickel	ND	0.25	"	-					
Silver	ND	0.25	"	-					

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570238 - 3050B

MSD (L 93479-MSD-L570238)					Source: Y108404-01					Prepared: 08/20/2021 Analyzed: 08/24/2021	
Lead	13.8	0.031	mg/Kg	2.35	11.2	111	75-125	16.4	80		
Zinc	78.4	0.534	"	23.5	46.8	134	75-125	17.6	80	*	
Silver	0.538	0.0067	"	0.47	0.0686	114	75-125	12.8	80		
Arsenic	4.21	0.0855	"	2.35	2.48	74	75-125	9.7	80	*	
Nickel	16.9	0.0633	"	2.35	11.9	213	75-125	18.7	80	*	
Copper	16	0.0806	"	2.35	12.7	140	75-125	17.6	80	*	
Cadmium	0.722	0.0259	"	0.47	0.203	153	75-125	2.5	80	*	
Barium	121	0.042	"	4.7	113	170	75-125	14.1	80	*	
Selenium	3.73	0.103	"	4.7	0.37	71	75-125	12.8	80	*	

MS (L 93479-MS-L570238)					Source: Y108404-01					Prepared: 08/20/2021 Analyzed: 08/24/2021	
Selenium	3.28	0.103	mg/Kg	4.93	0.37	59	75-125			*	
Arsenic	3.82	0.0855	"	2.46	2.48	54	75-125			*	
Barium	105	0.042	"	4.93	113	NR	75-125			*	
Cadmium	0.741	0.0259	"	0.493	0.203	150	75-125			*	
Copper	13.4	0.0806	"	2.46	12.7	28	75-125			*	
Lead	11.7	0.031	"	2.46	11.2	20	75-125			*	
Nickel	14	0.0633	"	2.46	11.9	85	75-125			*	
Zinc	65.7	0.534	"	24.6	46.8	77	75-125			*	
Silver	0.473	0.0067	"	0.493	0.0686	96	75-125			*	

LCS (LCS-L570238) Prepared: 08/20/2021 Analyzed: 08/24/2021

Selenium	4.59	0.103	mg/Kg	5	92	80-120	
Silver	0.495	0.0067	"	0.5	99	80-120	
Nickel	2.47	0.0633	"	2.5	99	80-120	
Arsenic	2.25	0.0855	"	2.5	90	80-120	
Barium	5.17	0.042	"	5	103	80-120	

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570238 - 3050B

LCS (LCS-L570238)

Prepared: 08/20/2021 Analyzed: 08/24/2021

Cadmium	0.521	0.0259	mg/Kg	0.5		104	80-120			
Copper	2.33	0.0806	"	2.5		93	80-120			
Lead	2.43	0.031	"	2.5		97	80-120			
Zinc	23.5	0.534	"	25		94	80-120			

LRB (LRB-L570238)

Prepared: 08/20/2021 Analyzed: 08/24/2021

Selenium	ND	0.25	mg/Kg				-			
Silver	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	0.0808	0.25	"				-			J
Arsenic	ND	0.25	"				-			
Zinc	ND	2.5	"				-			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L570341 -

DUP (L 93469-DUP)		Source: 93469			Prepared: Analyzed: 08/23/2021					
Chromium, Hexavalent	ND	0.492	mg/Kg		<1.01		-	0	20	
MS (L 93469-MS)		Source: 93469			Prepared: Analyzed: 08/23/2021					
Chromium, Hexavalent	5	0.248	mg/Kg	8.17	<0.488	61	75-125			*
LCS (LCS)					Prepared: Analyzed: 08/23/2021					
Chromium, Hexavalent	6.64	0.244	mg/Kg	8		83	75-125			
LRB (LRB)					Prepared: Analyzed: 08/23/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

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.

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



October 11, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley-61N69W 36NESE

Project Number - -

Attached are your analytical results for Donley-61N69W 36NESE received by Origins Laboratory, Inc. September 29, 2021.
This project is associated with Origins project number Y109650-01.

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

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: -

Project: Donley-61N69W 36NESE

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWVVB03@8.5'	Y109650-01	Soil	September 29, 2021 11:51	09/29/2021 15:06
PWVVN03@5.5'	Y109650-02	Soil	September 29, 2021 12:00	09/29/2021 15:06
PWVVS03@5.5'	Y109650-03	Soil	September 29, 2021 11:54	09/29/2021 15:06
PWVE03@5.5'	Y109650-04	Soil	September 29, 2021 11:57	09/29/2021 15:06
PWVW03@5.5'	Y109650-05	Soil	September 29, 2021 12:00	09/29/2021 15:06
SEPB03@8.0'	Y109650-06	Soil	September 29, 2021 13:30	09/29/2021 15:06
SEPN02@5.0'	Y109650-07	Soil	September 29, 2021 13:34	09/29/2021 15:06
SEPS02@5.0'	Y109650-08	Soil	September 29, 2021 13:57	09/29/2021 15:06
SEPE02@5.0'	Y109650-09	Soil	September 29, 2021 13:46	09/29/2021 15:06
SEPW02@5.0'	Y109650-10	Soil	September 29, 2021 13:30	09/29/2021 15:06

Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

ORIGINS

LABORATORY, INC

www.originslaboratory.com

4109650

page of

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Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Client: Apex Companies LLC
Address: 1746 Cole Blvd
Lakewood CO, 80401
Telephone Number: (720) 501-5065
Email Address: Maggie.Graham@apexcos.com

Project Manager: Maggie Graham
Project Name: Donley-61N69W 36NESE
Project Number: _____
Samples Collected By: Jeff Griggs
Client - XOG

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Sampling Container #	Other	EC: SAR	DOC: SAR	EC: SAR	PH	
PWVB03E6.5'	09/29/21	1151	1	X					X			X	X			1
PWVN03E5.5'		1200										X	X			2
PWVS03E5.5'		1154										X	X			3
PWVE03E5.5'		1157										X	X			4
PWVW03E5.5'		1202										X	X			5
SEPB03E8.0'		1332										X				6
SEPN02E5.0'		1334										X				7
SEPS02E5.0'		1357										X				8
SEPE02E5.0'		1346										X				9
SEPWE5.0'		1330										X				10
Relinquished By: <u>[Signature]</u>	Date: <u>09/29/21</u>	Time: <u>15:06</u>	Received By: <u>[Signature]</u>	Date: <u>9-29-21</u>	Time: <u>15:06</u>	Turnaround Time:										
Relinquished By:	Date:	Time:	Received By:	Date:	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"/>										

Temp Received- 2.4

Date Results Needed

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: -

Project: Donley-61N69W 36NESE

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 110001000

Client: Apex

Client Project ID: Donley-61N69W 36NESE

Shipped Via: 410
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: NA

Checklist Completed by: EH

Date/Time completed: 9/29/12

Matrix(s) Received: (Check all that apply):

☒ Soil/Solid

☐ Water

☐ Other:

Cooler Number/Temperature: 1

124 °C

1

°C

1

°C

(Describe)

Thermometer ID: TC03

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For samples 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 analytes in order to insure proper preservation of analytes) (H ⁺ > 10 for samples preserved with HCl, H ₂ SO ₄) / (H ⁺ > 10 for samples preserved with Na ₂ O ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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: Maggie Graham

Date/Time Reviewed: 9/29/12

Project Manager

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PWVB03@8.5'
9/29/2021 11:51:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y109650-01 (Soil)

Metals by Saturated Paste

Calcium	0.888	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	1.65	0.823	"	"	"	"	"	
Sodium	22.3	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.31	pH Units	1	B112925	09/29/2021	09/30/2021	
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SAR by 20B Saturated Paste

SAR	19.8	SAR	1	B112922	09/29/2021	09/30/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.58	0.00500	mmhos/cm	1	B1J0117	10/01/2021	10/03/2021	
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Total Metals by 6020B

Arsenic	3.1	0.0855	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	
Barium	96.4	0.042	0.25	"	"	"	"	"	
Cadmium	0.112	0.0259	0.25	"	"	"	"	"	J
Copper	12	0.0806	0.25	"	"	"	"	"	
Lead	11.6	0.031	0.25	"	"	"	"	"	
Nickel	14	0.0633	0.25	"	"	"	"	"	
Selenium	0.396	0.103	0.25	"	"	"	"	"	B

Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: -

Project: Donley-61N69W 36NESE

PWV/B03@8.5'

9/29/2021 11:51:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Waypoint Analytical, LLC.

Y109650-01 (Soil)

Total Metals by 6020B

Silver	0.0466	0.0067	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	J
Zinc	48.5	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577995	09/29/2021	10/07/2021	
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Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PWVN03@5.5'
9/29/2021 12:00:00PM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y109650-02 (Soil)

Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	1.12	0.823	"	"	"	"	"	
Sodium	17.0	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.60	pH Units	1	B112925	09/29/2021	09/30/2021	
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SAR by 20B Saturated Paste

SAR	19.4	SAR	1	B112922	09/29/2021	09/30/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.51	0.00500	mmhos/cm	1	B1J0117	10/01/2021	10/03/2021	
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Total Metals by 6020B

Arsenic	3.48	0.0855	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	
Barium	109	0.042	0.25	"	"	"	"	"	
Cadmium	0.0952	0.0259	0.25	"	"	"	"	"	J
Copper	9.55	0.0806	0.25	"	"	"	"	"	
Lead	10.2	0.031	0.25	"	"	"	"	"	
Nickel	11.7	0.0633	0.25	"	"	"	"	"	
Selenium	0.38	0.103	0.25	"	"	"	"	"	B

Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: -

Project: Donley-61N69W 36NESE

PWV/N03@5.5'

9/29/2021 12:00:00PM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Waypoint Analytical, LLC.

Y109650-02 (Soil)

Total Metals by 6020B

Silver	0.0367	0.0067	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	J
Zinc	40.8	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L577995	09/29/2021	10/07/2021	
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Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PWWS03@5.5'
9/29/2021 11:54:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y109650-03 (Soil)

Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	ND	0.823	"	"	"	"	"	"
Sodium	12.0	0.435	"	"	"	"	"	"

pH in Soil by 9045D

pH	8.77	pH Units	1	B112925	09/29/2021	09/30/2021	
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SAR by 20B Saturated Paste

SAR	20.0	SAR	1	B112922	09/29/2021	09/30/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.16	0.00500	mmhos/cm	1	B110117	10/01/2021	10/03/2021	
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Total Metals by 6020B

Arsenic	2.83	0.0855	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	
Barium	97.1	0.042	0.25	"	"	"	"	"	
Cadmium	0.0859	0.0259	0.25	"	"	"	"	"	J
Copper	12.2	0.0806	0.25	"	"	"	"	"	
Lead	11.1	0.031	0.25	"	"	"	"	"	
Nickel	12.8	0.0633	0.25	"	"	"	"	"	
Selenium	0.368	0.103	0.25	"	"	"	"	"	B

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: -
 Project: Donley-61N69W 36NESE

PWWS03@5.5'
 9/29/2021 11:54:00AM

Waypoint Analytical, LLC.
 Y109650-03 (Soil)

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Total Metals by 6020B

Silver	0.0542	0.0067	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	J
Zinc	52.7	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577995	09/29/2021	10/07/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PW/E03@5.5'
9/29/2021 11:57:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y109650-04 (Soil)

Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	18.9	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.95	pH Units	1	B112925	09/29/2021	09/30/2021	
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SAR by 20B Saturated Paste

SAR	33.5	SAR	1	B112922	09/29/2021	09/30/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.47	0.00500	mmhos/cm	1	B110117	10/01/2021	10/03/2021	
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Total Metals by 6020B

Arsenic	3.41	0.0855	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	
Barium	136	0.042	0.25	"	"	"	"	"	
Cadmium	0.11	0.0259	0.25	"	"	"	"	"	J
Copper	10.6	0.0806	0.25	"	"	"	"	"	
Lead	11.3	0.031	0.25	"	"	"	"	"	
Nickel	13.4	0.0633	0.25	"	"	"	"	"	
Selenium	0.318	0.103	0.25	"	"	"	"	"	B

Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PWWE03@5.5'
9/29/2021 11:57:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Waypoint Analytical, LLC.
Y109650-04 (Soil)

Total Metals by 6020B

Silver	0.043	0.0067	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	J
Zinc	45.3	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L577995	09/29/2021	10/07/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PWVW03@5.5'
9/29/2021 12:02:00PM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y109650-05 (Soil)

Metals by Saturated Paste

Calcium	0.748	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	4.02	0.823	"	"	"	"	"	
Sodium	53.9	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.52	pH Units	1	B112925	09/29/2021	09/30/2021	
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SAR by 20B Saturated Paste

SAR	34.9	SAR	1	B112922	09/29/2021	09/30/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.23	0.00500	mmhos/cm	1	B1J0117	10/01/2021	10/03/2021	
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Total Metals by 6020B

Arsenic	2.71	0.0855	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	
Barium	105	0.042	0.25	"	"	"	"	"	
Cadmium	0.0968	0.0259	0.25	"	"	"	"	"	J
Copper	10.4	0.0806	0.25	"	"	"	"	"	
Lead	10	0.031	0.25	"	"	"	"	"	
Nickel	11.9	0.0633	0.25	"	"	"	"	"	
Selenium	0.379	0.103	0.25	"	"	"	"	"	B

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

PWVW03@5.5'
9/29/2021 12:02:00PM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Waypoint Analytical, LLC.
Y109650-05 (Soil)

Total Metals by 6020B

Silver	0.0439	0.0067	0.25	mg/Kg	5	L577806	10/06/2021	10/07/2021	J
Zinc	46	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.253	0.52	mg/Kg	1	L577995	09/29/2021	10/07/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

SEPB03@8.0'
9/29/2021 1:32:00PM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y109650-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.37	0.198	mg/L	1	B112920	09/29/2021	09/30/2021	
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Metals by Saturated Paste

Calcium	2.00	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	3.60	0.823	"	"	"	"	"	
Sodium	29.6	0.435	"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	17.7	SAR	1	B112922	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.24	0.00500	mmhos/cm	1	B112930	09/29/2021	09/30/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

SEPNO2@5.0'
9/29/2021 1:34:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y109650-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.90	0.200	mg/L	1	B1J2920	09/29/2021	09/30/2021	
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Metals by Saturated Paste

Calcium	2.16	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	3.90	0.823	"	"	"	"	"	
Sodium	29.2	0.435	"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	16.8	SAR	1	B1J2922	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.66	0.00500	mmhos/cm	1	B1J0117	10/01/2021	10/03/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

SEPS02@5.0'
9/29/2021 1:57:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y109650-08 (Soil)

Boron (DTPA Sorbitol)

Boron	3.16	0.197	mg/L	1	B1J2920	09/29/2021	09/30/2021	
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Metals by Saturated Paste

Calcium	1.80	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	4.68	0.823	"	"	"	"	"	
Sodium	36.6	0.435	"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	20.3	SAR	1	B1J2922	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.81	0.00500	mmhos/cm	1	B1J0117	10/01/2021	10/03/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

SEPE02@5.0'
9/29/2021 1:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y109650-09 (Soil)

Boron (DTPA Sorbitol)

Boron	3.18	0.196	mg/L	1	B112920	09/29/2021	09/30/2021	
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Metals by Saturated Paste

Calcium	1.96	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	5.39	0.823	"	"	"	"	"	
Sodium	38.3	0.435	"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	20.0	SAR	1	B112922	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.21	0.00500	mmhos/cm	1	B112930	09/29/2021	09/30/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

SEPW02@5.0'
9/29/2021 1:30:00PM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y109650-10 (Soil)

Boron (DTPA Sorbitol)

Boron	4.16	0.201	mg/L	1	B1J2920	09/29/2021	09/30/2021	
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Metals by Saturated Paste

Calcium	2.14	0.499	meq/L	10	[CALC]	09/29/2021	09/30/2021	
Magnesium	7.38	0.823	"	"	"	"	"	
Sodium	45.3	0.435	"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	20.8	SAR	1	B1J2922	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.14	0.00500	mmhos/cm	1	B1J0117	10/01/2021	10/03/2021	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

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 B112920 - Default Prep Metals										
Blank (B112920-BLK1)										
					Prepared: 09/29/2021 Analyzed: 09/30/2021					
Boron	ND	0.200	mg/L							U
Batch B112922 - Default Prep Metals										
Blank (B112922-BLK1)										
					Prepared: 09/29/2021 Analyzed: 09/30/2021					
Calcium PPM	ND	10.0	mg/L							U
SAR	0.00		SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B112925 - NO PREP										
Duplicate (B112925-DUP1)		Source: Y109609-02			Prepared: 09/29/2021	Analyzed: 09/30/2021				
pH	7.93		pH Units		8.07			1.75	25	
Batch B112930 - NO PREP										
Blank (B112930-BLK1)										
Specific Conductance (EC)	ND	0.00500	mmhos/cm							Prepared: 09/29/2021 Analyzed: 09/30/2021
Duplicate (B112930-DUP1)		Source: Y109653-04			Prepared: 09/29/2021	Analyzed: 09/30/2021				
Specific Conductance (EC)	1.15	0.00500	mmhos/cm		1.14			0.955	25	
Batch B1J0117 - NO PREP										
Blank (B1J0117-BLK1)										
Specific Conductance (EC)	ND	0.00500	mmhos/cm							Prepared: 10/01/2021 Analyzed: 10/03/2021
Duplicate (B1J0117-DUP1)		Source: Y109650-01			Prepared: 10/01/2021	Analyzed: 10/03/2021				
Specific Conductance (EC)	2.13	0.00500	mmhos/cm		2.58			19.3	25	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L577806 - 3050B

MSD (L 97303-MSD-L577806)					Source: 97303					Prepared: 10/06/2021 Analyzed: 10/07/2021				
Arsenic	7.34	0.0855	mg/kg	2.48	9.34	NR	75-125	44.1	80	*				
Zinc	84.7	0.534	"	24.8	77.1	31	75-125	20.4	80	*				
Silver	0.482	0.0067	"	0.497	0.0418	97	75-125	0	80					
Selenium	3.6	0.103	"	4.97	0.771	57	75-125	2.2	80	*				
Nickel	20.6	0.0633	"	2.48	19.5	44	75-125	18.9	80	*				
Lead	16.3	0.031	"	2.48	16.2	4	75-125	24.2	80	*				
Copper	17.3	0.0806	"	2.48	19.5	NR	75-125	37.5	80	*				
Barium	297	0.042	"	4.97	417	NR	75-125	15.6	80	*				
Cadmium	0.637	0.0259	"	0.497	0.255	77	75-125	16.2	80					

MS (L 97303-MS-L577806)					Source: 97303					Prepared: 10/06/2021 Analyzed: 10/07/2021				
Copper	25.3	0.0806	mg/kg	2.5	19.5	232	75-125			*				
Arsenic	11.5	0.0855	"	2.5	9.34	86	75-125							
Barium	254	0.042	"	5	417	NR	75-125			*				
Lead	20.8	0.031	"	2.5	16.2	184	75-125			*				
Cadmium	0.75	0.0259	"	0.5	0.255	99	75-125							
Selenium	3.52	0.103	"	5	0.771	55	75-125			*				
Silver	0.482	0.0067	"	0.5	0.0418	96	75-125							
Zinc	104	0.534	"	25	77.1	108	75-125							
Nickel	24.9	0.0633	"	2.5	19.5	216	75-125			*				

LCS (LCS-L577806)					Prepared: 10/06/2021 Analyzed: 10/07/2021				
Selenium	4.95	0.103	mg/kg	5		99	80-120		
Silver	0.488	0.0067	"	0.5		98	80-120		
Nickel	2.33	0.0633	"	2.5		93	80-120		
Lead	2.42	0.031	"	2.5		97	80-120		
Cadmium	0.476	0.0259	"	0.5		95	80-120		

Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Donley-61N69W 36NESE

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L577806 - 3050B

LCS (LCS-L577806)

Prepared: 10/06/2021 Analyzed: 10/07/2021

Barium	5.02	0.042	mg/Kg	5		100	80-120			
Arsenic	2.35	0.0855	"	2.5		94	80-120			
Copper	2.42	0.0806	"	2.5		97	80-120			
Zinc	24.1	0.534	"	25		96	80-120			

LRB (LRB-L577806)

Prepared: 10/06/2021 Analyzed: 10/07/2021

Arsenic	ND	0.25	mg/Kg				-			
Silver	ND	0.25	"				-			
Selenium	0.104	0.25	"				-			J
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Zinc	ND	2.5	"				-			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: -
 Project: Donley-61N69W 36NESE

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L577995 -

DUP (L 95059-DUP)		Source: 95059		Prepared: Analyzed: 10/07/2021						
Chromium, Hexavalent	ND	0.244	mg/Kg		95059	-		0	20	
MS (L 95059-MS)		Source: 95059		Prepared: Analyzed: 10/07/2021						
Chromium, Hexavalent	0.817	0.244	mg/Kg	7.93	95059	10	75-125			*
LCS (LCS)				Prepared: Analyzed: 10/07/2021						
Chromium, Hexavalent	6.73	0.244	mg/Kg	8		84	75-125			
LRB (LRB)				Prepared: Analyzed: 10/07/2021						
Chromium, Hexavalent	ND	0.5	mg/Kg							

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: -

Project: Donley-61N69W 36NESE

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

B Analyte detected in associated method blank.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.



November 03, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. October 28, 2021. This project is associated with Origins project number Y110598-01.

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



Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWVB04@9.5'	Y110598-01	Soil	October 28, 2021 9:25	10/28/2021 14:45
PWVN04@5'	Y110598-02	Soil	October 28, 2021 9:29	10/28/2021 14:45
PWVS04@5'	Y110598-03	Soil	October 28, 2021 9:31	10/28/2021 14:45
PWVE04@5'	Y110598-04	Soil	October 28, 2021 9:34	10/28/2021 14:45
PWVW04@5'	Y110598-05	Soil	October 28, 2021 9:38	10/28/2021 14:45
SEP B04@9.5'	Y110598-06	Soil	October 28, 2021 9:43	10/28/2021 14:45
SEP N03@5'	Y110598-07	Soil	October 28, 2021 9:46	10/28/2021 14:45
SEP S03@5'	Y110598-08	Soil	October 28, 2021 9:49	10/28/2021 14:45
SEP E03@5'	Y110598-09	Soil	October 28, 2021 9:54	10/28/2021 14:45
SEP W03@5'	Y110598-10	Soil	October 28, 2021 9:58	10/28/2021 14:45

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

www.originslaboratory.com

page 1 of 1

Y110898

Client: Extraction Oil and Gas
Address: 370 17th Street, Ste. 5300, Denver, CO 80202

Project Manager: Nathan Bennett (XOG), Maggie Graham (Apex)

Project Name: Donley 2-36

Project Number: 744.2101.01-321345

Samples Collected By: Apex Companies, Axx A

Telephone Number: 907-538-7699

Email Address: Apex Companies,

DenverRemediation@ApexCos.onmicrosoft.com

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	All Surrogate Concentrator #	Other		
PWV B04 @ 9.5'	10/28/21	9:25	2	X					X			Full 915 / Modified 915 (Circle one) EC, SAR, pH, Metals	"Modified 915"= 1
PWV N04 @ 5'		9:29											G/BTEX, DRO/ORO 2
PWV S04 @ 5'		9:31											Naphthalene 3
PWV E04 @ 5'		9:34											1,2,4 + 1,3,5 Trimethylnaphthalene 4
PWV W04 @ 5'		9:38											EC, SAR, pH, Boron 5
SEP B04 @ 9.5'		9:43										EC, SAR, Boron	6
SEP N03 @ 5'		9:46											Full 915= 7
SEP S03 @ 5'		9:49											All above + 915 Metals+ 915 PAHs 8
SEP E03 @ 5'		9:54											9
SEP W03 @ 5'		9:58											10
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:							
<i>[Signature]</i>	10/28/21	14:45	<i>[Signature]</i>	10-28-21	1445	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/>							
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>							
						Standard <input type="checkbox"/>							

117

Date Results Needed

Origins Laboratory, Inc.

[Signature]

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y110598 Client: Apex
 Checklist Completed by: DM Client Project ID: Donley 2-36
 Date/time completed: 10-28-21 Shipped Via: FD
 Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: ☐ (Describe)
 Cooler Number/Temperature: 1 ALFC 1 °C 1 °C
 Thermometer ID: P003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples were analyzed, was the temperature between 0°C to ≤ 8°C ¹¹²				
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		same day
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<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"/>		
Were all samples received intact ¹¹²	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ¹¹²	<input checked="" type="checkbox"/>			
Are short holding time analyses or samples with HTs due within 48 hours present ¹¹²		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ¹¹²	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ¹¹²	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ¹¹²	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ¹¹²	<input checked="" type="checkbox"/>			
Are volatiles in water – is there headspace (~ ½ inch headspace) present? If yes, contact client and note in narrative				
Are samples preserved that require preservation and was it checked ¹¹² (note: ICP-AES preservation instrument used in comments) / (preservation instrument used for subcooled analyses in order to insure sample integrity) / (if so, samples preserved with HCL, H2SO4) / (pH > 10 for samples preserved with HNO3, MeAsO2-Ni(OH), ZnAc+Ni(OH))			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

¹¹² 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) DM

Date/Time Reviewed 10-29-21

Origins Laboratory, Inc.

Jordan A. Merrill

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVB04@9.5'

10/28/2021 9:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y110598-01 (Soil)

Metals by Saturated Paste

Calcium	0.644	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	1.38	0.823	"	"	"	KAP	"	"	
Sodium	27.0	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.50		pH Units	1	B1J2817	ACC	10/28/2021	10/29/2021	
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SAR by 20B Saturated Paste

SAR	26.8		SAR	1	B1J2810	KAP	10/28/2021	10/29/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.59	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Total Metals by 6020B

Arsenic	2.38	0.25	mg/kg	5	L582040		10/29/2021	11/01/2021	
Barium	94.4	0.25	"	"	"		"	"	
Cadmium	0.171	0.25	"	"	"		"	"	J
Copper	10.1	0.25	"	"	"		"	"	
Lead	9.75	0.25	"	"	"		"	"	
Nickel	10.9	0.25	"	"	"		"	"	
Selenium	0.358	0.25	"	"	"		"	"	

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.

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PWV/B04@9.5'

10/28/2021 9:25:00AM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Waypoint Analytical, LLC.

Y110598-01 (Soil)

Total Metals by 6020B

Silver	0.0418	0.25	mg/Kg	5	L582040	10/29/2021	11/01/2021	J
Zinc	41.7	2.5	"	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.503	mg/Kg	1	L582236	10/28/2021	11/01/2021	
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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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWV\N04@5'

10/28/2021 9:29:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y110598-02 (Soil)

Metals by Saturated Paste

Calcium	0.644	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	1.48	0.823	"	"	"	KAP	"	"	
Sodium	12.1	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.34		pH Units	1	B1J2817	ACC	10/28/2021	10/29/2021	
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SAR by 20B Saturated Paste

SAR	11.8		SAR	1	B1J2810	KAP	10/28/2021	10/29/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.29	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L582239		10/28/2021	11/01/2021	
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Total Metals by 6020B

Arsenic	2.37	0.25	mg/Kg	5	L582040		10/29/2021	11/01/2021	
Barium	87.9	0.25	"	"	"		"	"	
Cadmium	0.186	0.25	"	"	"		"	"	J
Copper	6.05	0.25	"	"	"		"	"	

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.

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PWV/N04@5'

10/28/2021 9:29:00AM

Analyte	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit							

Waypoint Analytical, LLC.
Y110598-02 (Soil)

Total Metals by 6020B

Lead	7.84	0.25	mg/Kg	5	L582040		10/29/2021	11/01/2021	
Nickel	8.67	0.25	"	"	"		"	"	
Selenium	0.412	0.25	"	"	"		"	"	
Silver	0.0448	0.25	"	"	"		"	"	J
Zinc	29.7	2.5	"	"	"		"	"	

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS04@5'

10/28/2021 9:31:00AM

Analyte	Reporting			Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units					

Origins Laboratory, Inc. Y110598-03 (Soil)

Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021
Magnesium	1.97	0.823	"	"	"	KAP	"	"
Sodium	33.4	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.77		pH Units	1	B1J2817	ACC	10/28/2021	10/29/2021
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SAR by 20B Saturated Paste

SAR	30.6		SAR	1	B1J2810	KAP	10/28/2021	10/29/2021
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.18	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021
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Total Metals by 7196A

Chromium, Hexavalent	ND	1.01	mg/Kg	2	L582239		10/28/2021	11/01/2021
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Total Metals by 6020B

Arsenic	2.5	0.25	mg/Kg	5	L582040		10/29/2021	11/01/2021
Barium	109	0.25	"	"	"		"	"
Cadmium	0.172	0.25	"	"	"		"	J
Copper	9.85	0.25	"	"	"		"	"

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVS04@5'

10/28/2021 9:31:00AM

Analyte	Reporting			Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units					

Waypoint Analytical, LLC.

Y110598-03 (Soil)

Total Metals by 6020B

Lead	10.2	0.25	mg/Kg	5	L582040	10/29/2021	11/01/2021	
Nickel	11	0.25	"	"	"	"	"	
Selenium	0.323	0.25	"	"	"	"	"	
Silver	0.0428	0.25	"	"	"	"	"	J
Zinc	47.2	2.5	"	"	"	"	"	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVE04@5'

10/28/2021 9:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y110598-04 (Soil)

Metals by Saturated Paste

Calcium	26.0	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	9.55	0.823	"	"	"	KAP	"	"	
Sodium	10.2	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	7.52		pH Units	1	B1J2817	ACC	10/28/2021	10/29/2021	
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SAR by 20B Saturated Paste

SAR	2.42		SAR	1	B1J2810	KAP	10/28/2021	10/29/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.12	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Total Metals by 6020B

Arsenic	2.42	0.25	mg/kg	5	L582041		10/29/2021	11/01/2021	
Barium	106	0.25	"	"	"		"	"	
Cadmium	0.154	0.25	"	"	"		"	"	J
Copper	11	0.25	"	"	"		"	"	
Lead	9.84	0.25	"	"	"		"	"	
Nickel	11.8	0.25	"	"	"		"	"	
Selenium	0.339	0.25	"	"	"		"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

PWVE04@5'

10/28/2021 9:34:00AM

Analyte	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit							

Waypoint Analytical, LLC.

Y110598-04 (Soil)

Total Metals by 6020B

Silver	0.0415	0.25	mg/Kg	5	L582041		10/29/2021	11/01/2021	J
Zinc	47	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	2.51	mg/Kg	5	L582239		10/28/2021	11/01/2021	
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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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVW04@5'

10/28/2021 9:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y110598-05 (Soil)

Metals by Saturated Paste

Calcium	0.714	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	2.07	0.823	"	"	"	KAP	"	"	
Sodium	25.9	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.31		pH Units	1	B1J2817	ACC	10/28/2021	10/29/2021	
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SAR by 20B Saturated Paste

SAR	21.9		SAR	1	B1J2810	KAP	10/28/2021	10/29/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.50	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Total Metals by 6020B

Arsenic	2.77	0.25	mg/kg	5	L582041		10/29/2021	11/01/2021	
Barium	125	0.25	"	"	"		"	"	
Cadmium	0.209	0.25	"	"	"		"	"	J
Copper	11.5	0.25	"	"	"		"	"	
Lead	10.5	0.25	"	"	"		"	"	
Nickel	13.2	0.25	"	"	"		"	"	
Selenium	0.318	0.25	"	"	"		"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVW04@5'

10/28/2021 9:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y110598-05 (Soil)

Total Metals by 6020B

Silver	0.048	0.25	mg/Kg	5	L582041		10/29/2021	11/01/2021	J
Zinc	46.7	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1	mg/Kg	2	L582239		10/28/2021	11/01/2021	
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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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEP B04@9.5'

10/28/2021 9:43:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y110598-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.89	0.197	mg/L	1	B1J2814	KAP	10/28/2021	10/29/2021	
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Metals by Saturated Paste

Calcium	1.48	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	2.53	0.823	"	"	"	KAP	"	"	
Sodium	21.5	0.435	"	"	"	KAP	"	"	

SAR by 20B Saturated Paste

SAR	15.2		SAR	1	B1J2810	KAP	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.23	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

SEP N03@5'

10/28/2021 9:46:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y110598-07 (Soil)

Boron (DTPA Sorbitol)

Boron	3.20	0.198	mg/L	1	B1J2814	KAP	10/28/2021	10/29/2021	
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Metals by Saturated Paste

Calcium	21.0	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	27.0	0.823	"	"	"	KAP	"	"	
Sodium	83.7	0.435	"	"	"	KAP	"	"	

SAR by 20B Saturated Paste

SAR	17.1		SAR	1	B1J2810	KAP	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	9.28	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

SEP S03@5'

10/28/2021 9:49:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y110598-08 (Soil)

Boron (DTPA Sorbitol)

Boron	3.33	0.198	mg/L	1	B1J2814	KAP	10/28/2021	10/29/2021	
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Metals by Saturated Paste

Calcium	1.22	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	3.52	0.823	"	"	"	KAP	"	"	
Sodium	41.4	0.435	"	"	"	KAP	"	"	

SAR by 20B Saturated Paste

SAR	26.9		SAR	1	B1J2810	KAP	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.03	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

SEP E03@5'

10/28/2021 9:54:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y110598-09 (Soil)

Boron (DTPA Sorbitol)

Boron	3.77	0.198	mg/L	1	B1J2814	KAP	10/28/2021	10/29/2021	
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Metals by Saturated Paste

Calcium	23.0	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	19.6	0.823	"	"	"	KAP	"	"	
Sodium	35.6	0.435	"	"	"	KAP	"	"	

SAR by 20B Saturated Paste

SAR	7.72		SAR	1	B1J2810	KAP	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.40	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEP W03@5'

10/28/2021 9:58:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y110598-10 (Soil)

Boron (DTPA Sorbitol)

Boron	4.17	0.200	mg/L	1	B1J2814	KAP	10/28/2021	10/29/2021	
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Metals by Saturated Paste

Calcium	1.15	0.499	meq/L	10	[CALC]	KAP	10/28/2021	10/29/2021	
Magnesium	3.32	0.823	"	"	"	KAP	"	"	
Sodium	30.8	0.435	"	"	"	KAP	"	"	

SAR by 20B Saturated Paste

SAR	20.6		SAR	1	B1J2810	KAP	"	"	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.05	0.00500	mmhos/cm	1	B1J2820	ACC	10/28/2021	10/29/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Saturated Paste - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1J2817 - NO PREP										
Duplicate (B1J2817-DUP1)		Source: Y110577-02			Prepared: 10/28/2021 Analyzed: 10/29/2021					
pH	7.59		pH Units		7.75			2.09	25	
Batch B1J2820 - NO PREP										
Blank (B1J2820-BLK1)										
Prepared: 10/28/2021 Analyzed: 10/29/2021										
Specific Conductance (EC)	0.00120	0.00500	mmhos/cm							
Duplicate (B1J2820-DUP1)		Source: Y110577-02			Prepared: 10/28/2021 Analyzed: 10/29/2021					
Specific Conductance (EC)	3.90	0.00500	mmhos/cm		4.18			6.93	25	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L582041 - 3050B

MSD (L 90411-MSD-L582041)					Source: 90411					Prepared: 10/29/2021 Analyzed: 11/01/2021				
Selenium	4.25	0.103	mg/Kg	4.79	0.253	83	75-125	6.5	80					
Silver	0.478	0.0067	"	0.479	0.0101	100	75-125	9.6	80					
Nickel	4.98	0.0633	"	2.4	2.5	103	75-125	4.1	80					
Lead	7.01	0.031	"	2.4	3.36	152	75-125	11.6	80				*	
Copper	5.37	0.0806	"	2.4	2.92	102	75-125	7	80					
Cadmium	0.566	0.0259	"	0.479	0.0665	118	75-125	6.1	80					
Barium	98.6	0.042	"	4.79	96.7	40	75-125	8.1	80				*	
Arsenic	3.37	0.0855	"	2.4	1.18	91	75-125	3.3	80					
Zinc	50.5	0.534	"	24	22.4	117	75-125	12.6	80					

MS (L 90411-MS-L582041)					Source: 90411					Prepared: 10/29/2021 Analyzed: 11/01/2021				
Silver	0.434	0.0067	mg/Kg	0.468	0.0101	93	75-125							
Zinc	44.5	0.534	"	23.4	22.4	94	75-125							
Arsenic	3.26	0.0855	"	2.34	1.18	89	75-125						*	
Barium	107	0.042	"	4.68	96.7	220	75-125							
Cadmium	0.532	0.0259	"	0.468	0.0665	114	75-125							
Copper	5.76	0.0806	"	2.34	2.92	121	75-125							
Lead	7.88	0.031	"	2.34	3.36	193	75-125						*	
Selenium	3.98	0.103	"	4.68	0.253	80	75-125							
Nickel	5.19	0.0633	"	2.34	2.5	115	75-125							

LCS (LCS-L582041)					Prepared: 10/29/2021 Analyzed: 11/01/2021				
Selenium	5	0.103	mg/Kg	5	100	80-120			
Nickel	2.28	0.0633	"	2.5	91	80-120			
Lead	2.48	0.031	"	2.5	99	80-120			
Copper	2.51	0.0806	"	2.5	100	80-120			
Cadmium	0.515	0.0259	"	0.5	103	80-120			

Origins Laboratory, Inc.

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Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L582041 - 3050B

LCS (LCS-L582041)

Prepared: 10/29/2021 Analyzed: 11/01/2021

Barium	5.02	0.042	mg/Kg	5		100	80-120			
Arsenic	2.35	0.0855	"	2.5		94	80-120			
Silver	0.505	0.0067	"	0.5		101	80-120			
Zinc	23.6	0.534	"	25		94	80-120			

LRB (LRB-L582041)

Prepared: 10/29/2021 Analyzed: 11/01/2021

Silver	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Nickel	ND	0.25	"				-			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L582239 -										
DUP (L 90405-DUP)	Source: Y110598-02			Prepared: Analyzed: 11/01/2021						
Chromium, Hexavalent	ND	0.247	mg/Kg		90405		-	0	20	
MS (L 90405-MS)	Source: Y110598-02			Prepared: Analyzed: 11/01/2021						
Chromium, Hexavalent	5.78	0.248	mg/Kg	8.15	90405	71	75-125			*
LCS (LCS)				Prepared: Analyzed: 11/01/2021						
Chromium, Hexavalent	6.62	0.244	mg/Kg	8		83	75-125			
LRB (LRB)				Prepared: Analyzed: 11/01/2021						
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L582040 - 3050B

MSD (L 90406-MSD-L582040)		Source: Y110598-03		Prepared: 10/29/2021 Analyzed: 11/01/2021						
Lead	13.3	0.031	mg/Kg	2.35	10.2	132	75-125	1.5	80	*
Zinc	73.2	0.534	"	23.5	47.2	110	75-125	1.7	80	
Silver	0.482	0.0067	"	0.471	0.0428	102	75-125	2	80	
Nickel	14.5	0.0633	"	2.35	11	149	75-125	1.3	80	*
Copper	12.9	0.0806	"	2.35	9.85	130	75-125	0	80	*
Cadmium	0.687	0.0259	"	0.471	0.172	146	75-125	15.8	80	*
Barium	123	0.042	"	4.71	109	297	75-125	12	80	*
Arsenic	4.41	0.0855	"	2.35	2.5	81	75-125	9	80	
Selenium	3.66	0.103	"	4.71	0.323	71	75-125	0.5	80	*

MS (L 90406-MS-L582040)		Source: Y110598-03		Prepared: 10/29/2021 Analyzed: 11/01/2021						
Nickel	14.3	0.0633	mg/Kg	2.42	11	136	75-125			*
Selenium	3.68	0.103	"	4.85	0.323	69	75-125			*
Arsenic	4.03	0.0855	"	2.42	2.5	63	75-125			*
Barium	109	0.042	"	4.85	109	0	75-125			*
Cadmium	0.805	0.0259	"	0.485	0.172	166	75-125			*
Lead	13.1	0.031	"	2.42	10.2	120	75-125			
Zinc	71.9	0.534	"	24.2	47.2	102	75-125			
Silver	0.492	0.0067	"	0.485	0.0428	101	75-125			
Copper	12.9	0.0806	"	2.42	9.85	126	75-125			*

LCS (LCS-L582040)		Prepared: 10/29/2021 Analyzed: 11/01/2021								
Selenium	4.96	0.103	mg/Kg	5		99	80-120			
Nickel	2.37	0.0633	"	2.5		95	80-120			
Lead	2.47	0.031	"	2.5		99	80-120			
Copper	2.35	0.0806	"	2.5		94	80-120			
Cadmium	0.487	0.0259	"	0.5		97	80-120			

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L582040 - 3050B										
LCS (LCS-L582040)										
Barium	5	0.042	mg/Kg	5		100	80-120			
Arsenic	2.3	0.0855	"	2.5		92	80-120			
Zinc	24.3	0.534	"	25		97	80-120			
Silver	0.491	0.0067	"	0.5		98	80-120			
LRB (LRB-L582040)										
					Prepared: 10/29/2021 Analyzed: 11/01/2021					
Silver	ND	0.25	mg/Kg				-			
Arsenic	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Zinc	ND	2.5	"				-			
Nickel	ND	0.25	"				-			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L582236 -

DUP (L 90385-DUP)	Source: 90385			Prepared: Analyzed: 11/01/2021						
Chromium, Hexavalent	ND	2.44	mg/Kg		90385		-	0	20	
MS (L 90385-MS)	Source: 90385			Prepared: Analyzed: 11/01/2021						
Chromium, Hexavalent	ND	2.44	mg/Kg	7.82	90385	0	75-125			*

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

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.

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



November 12, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. November 08, 2021. This project is associated with Origins project number Y111150-01.

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





Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EPH01@4	Y1111150-01	Soil	November 8, 2021 9:50	11/08/2021 13:30
EPH02@4	Y1111150-02	Soil	November 8, 2021 9:55	11/08/2021 13:30
EPH03@4	Y1111150-03	Soil	November 8, 2021 10:00	11/08/2021 13:30
EPH04@4	Y1111150-04	Soil	November 8, 2021 10:05	11/08/2021 13:30
NPH01@4	Y1111150-05	Soil	November 8, 2021 10:10	11/08/2021 13:30
NPH02@4	Y1111150-06	Soil	November 8, 2021 10:15	11/08/2021 13:30
WPH01@4	Y1111150-07	Soil	November 8, 2021 10:20	11/08/2021 13:30
WPH02@4	Y1111150-08	Soil	November 8, 2021 10:25	11/08/2021 13:30
SPH01@4	Y1111150-09	Soil	November 8, 2021 10:30	11/08/2021 13:30
SPH02@4	Y1111150-10	Soil	November 8, 2021 10:35	11/08/2021 13:30

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

ORIGINS

LABORATORY, INC

www.originslaboratory.com

Y111150

page 1 of 1

Client: Apex Companies
Address: 1746 Cole Blvd, Lakewood, CO 80401

Project Manager: Maggie Graham
Project Name: Donley 2-36
Project Number: WO# TBD
Samples Collected By: R. Finley

Telephone Number: 720-501-5065
Email Address: maggie.graham@apexcos.com, caitlin.thomas@apexcos.com
DenverRemediation@ApexCos.onmicrosoft.com

Bill to: Clear Springs Holdings - XOG P7

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	EC	SPR	PH	
EPH0104	11/8/21	0950	1	X					X			X	X	X	1
EPH0204		0955													2
EPH0304		1000													3
EPH0404		1005													4
NPH0104		1010													5
NPH0204		1015													6
WPH0104		1020													7
WPH0204		1025													8
SPH0104		1030													9
SPH0204		1035													10
Relinquished By:	Date: 11/8/21	Time: 1330													
Relinquished By:	Date:	Time:													
Received By:	Date: 11/8/21	Time: 1330													
Received By:	Date:	Time:													
Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>															

11.4

Date Results Needed

Origins Laboratory, Inc.

Jordan A. Merrill For Jen Pellegrini, Project Manager

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Origins Laboratory		Sample Receipt Checklist		F-012207-01-R1 Effective Date: 01/09/12	
Origins Work Order: <u>Y111150</u>		Client: <u>Apex</u>		Client Project ID: <u>Donley 2-36</u>	
Checklist Completed by: <u>SG</u>		Shipped Via: <u>HD</u>		(UPS, FedEx, Hand Delivered, Pick-up, etc.)	
Date/time completed: <u>11/8/21</u>		Airbill #: <u>N/A</u>			
Matrix(s) Received: (Check all that apply): <u>K</u> Soil/Solid		Water: <u> </u>		Other: <u> </u>	
Cooler Number/Temperature: <u>1,114</u> °C		°C		(Describe) °C	
Thermometer ID: <u>1003</u>					
Requirement Description	Yes	No	N/A	Comments (if any)	
If samples require cooling, was the temperature between 0°C to ≤ 6°C?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Same Day</u>	
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Were all samples received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Was adequate sample volume provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is the COC properly relinquished by the client with date and signature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are samples preserved that require preservation and was it checked? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for submittal, instrument used 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 Na ₂ SO ₃ -NaOH, ZnAc+NaOH.					
Additional Comments (if any):					

**** 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 manager.*

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 11/8/21

Origins Laboratory, Inc.

[Signature]

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

EPH01@4

11/8/2021 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111150-01 (Soil)

Boron (DTPA Sorbitol)

Boron	3.56	0.200	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	3.02	0.823	"	"	"	KAP	"	"	
Sodium	47.3	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.53		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	35.7		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.17	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

EPH02@4

11/8/2021 9:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y1111150-02 (Soil)

Boron (DTPA Sorbitol)

Boron	4.40	0.198	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	1.84	0.823	"	"	"	KAP	"	"	
Sodium	37.8	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.62		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	37.1		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.23	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

EPH03@4

11/8/2021 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111150-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.658	0.199	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.549	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	1.05	0.823	"	"	"	KAP	"	"	
Sodium	23.7	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.51		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	26.6		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.69	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

EPH04@4

11/8/2021 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111150-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.73	0.197	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.793	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	1.42	0.823	"	"	"	KAP	"	"	
Sodium	16.6	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.40		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	15.7		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.42	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.



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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

NPH01@4

11/8/2021 10:10:00AM

Analyte	Reporting			Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units						

Origins Laboratory, Inc.
Y111150-05 (Soil)

Boron (DTPA Sorbitol)

Boron	6.31	0.198	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	21.2	4.99	meq/L	100	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	46.8	8.23	"	"	"	KAP	"	"	
Sodium	225	4.35	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.03		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	38.5		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	19.5	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

NPH02@4

11/8/2021 10:15:00AM

Analyte	Reporting			Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit								

Origins Laboratory, Inc.
Y111150-06 (Soil)

Boron (DTPA Sorbitol)

Boron	4.52	0.199	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	1.01	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	5.56	0.823	"	"	"	KAP	"	"	
Sodium	45.7	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.36		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	25.2		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.12	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WPH01@4
11/8/2021 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111150-07 (Soil)

Boron (DTPA Sorbitol)

Boron	6.37	0.197	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.509	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	2.74	0.823	"	"	"	KAP	"	"	
Sodium	45.9	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.61		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	36.0		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.94	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WPH02@4

11/8/2021 10:25:00AM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Origins Laboratory, Inc.
Y111150-08 (Soil)

Boron (DTPA Sorbitol)

Boron	2.79	0.199	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.704	0.499	meq/L	10	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	2.25	0.823	"	"	"	KAP	"	"	
Sodium	20.8	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.37		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	17.1		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.84	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SPH01@4

11/8/2021 10:30:00AM

Analyte	Reporting				Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units	Dilution					

Origins Laboratory, Inc.
Y111150-09 (Soil)

Boron (DTPA Sorbitol)

Boron	3.46	0.199	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	21.5	4.99	meq/L	100	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	39.2	8.23	"	"	"	KAP	"	"	
Sodium	119	4.35	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	7.84		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	21.7		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	11.6	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SPH02@4

11/8/2021 10:35:00AM

Analyte	Reporting			Dilution	Batch	Analyst	Prepared	Analyzed	Notes
	Result	Limit	Units						

Origins Laboratory, Inc.
Y111150-10 (Soil)

Boron (DTPA Sorbitol)

Boron	6.10	0.200	mg/L	1	B1K0915	KAP	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	ND	4.99	meq/L	100	[CALC]	KAP	11/09/2021	11/10/2021	
Magnesium	ND	8.23	"	"	"	KAP	"	"	
Sodium	106	4.35	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.32		pH Units	1	B1K0908	ACC	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	52.5		SAR	1	B1K0906	KAP	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	8.80	0.00500	mmhos/cm	1	B1K0909	ACC	11/09/2021	11/10/2021	
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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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K0908 - NO PREP										
Duplicate (B1K0908-DUP1)		Source: Y111150-01			Prepared: 11/09/2021 Analyzed: 11/10/2021					
pH	8.47		pH Units		8.53			0.706	25	
Batch B1K0909 - NO PREP										
Blank (B1K0909-BLK1)										
Prepared: 11/09/2021 Analyzed: 11/10/2021										
Specific Conductance (EC)	0.00120	0.00500	mmhos/cm							
Duplicate (B1K0909-DUP1)		Source: Y111150-01			Prepared: 11/09/2021 Analyzed: 11/10/2021					
Specific Conductance (EC)	4.76	0.00500	mmhos/cm		4.17			13.1	25	

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Project Number: 744.2101.01-321345

Boulder CO 80305

Project: Donley 2-36

Notes and Definitions

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.



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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



November 15, 2021

Apex Companies, LLC

Maggie Graham

4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Donley 2-36

Project Number - 744.2101.01-321345

Attached are your analytical results for Donley 2-36 received by Origins Laboratory, Inc. November 09, 2021. This project is associated with Origins project number Y111169-01.

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

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWVBPH01@12'	Y1111169-01	Soil	November 9, 2021 9:00	11/09/2021 13:15
SEPBPH01@12'	Y1111169-02	Soil	November 9, 2021 9:05	11/09/2021 13:15
WHBPH01@11'	Y1111169-03	Soil	November 9, 2021 9:25	11/09/2021 13:15
WellS02@4.5'	Y1111169-04	Soil	November 9, 2021 9:30	11/09/2021 13:15
WellW02@4.5'	Y1111169-05	Soil	November 9, 2021 9:35	11/09/2021 13:15
WHPPHN01@5'	Y1111169-06	Soil	November 9, 2021 9:40	11/09/2021 13:15
WHPPHN02@5'	Y1111169-07	Soil	November 9, 2021 9:45	11/09/2021 13:15
WHPPHE01@5'	Y1111169-08	Soil	November 9, 2021 9:50	11/09/2021 13:15
WHPPHE02@5'	Y1111169-09	Soil	November 9, 2021 10:20	11/09/2021 13:15
WHPPHS01@5'	Y1111169-10	Soil	November 9, 2021 10:35	11/09/2021 13:15
WHPPHS02@5'	Y1111169-11	Soil	November 9, 2021 10:40	11/09/2021 13:15
WHPPHW01@5'	Y1111169-12	Soil	November 9, 2021 10:30	11/09/2021 13:15
WHPPHW02@5'	Y1111169-13	Soil	November 9, 2021 10:25	11/09/2021 13:15
PWVGW02	Y1111169-14	Water	November 9, 2021 11:40	11/09/2021 13:15

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager



Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEPGW02	Y1111169-15	Water	November 9, 2021 11:50	11/09/2021 13:15
WellGW02	Y1111169-16	Water	November 9, 2021 12:00	11/09/2021 13:15

Origins Laboratory, Inc.

A handwritten signature in black ink, appearing to read "Jmerrill".

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

www.originslaboratory.com

page 1 of 2

Y111169


ORIGINS

LABORATORY, INC

Client: Civitas (X06)
Apex Companies 4
Address: 1746 Cole Blvd, Lakewood, CO 80401
on file
Telephone Number: (720) 501-5065
Email Address: Maggie.Graham@apexcos.com

Project Manager: Maggie Graham
Project Name: Donley 2-36
Project Number:
Samples Collected By: Maggie.Graham@apexcos.com Chris Lutter
Bill To:

Rochelle C. Carlisle @ apexcos.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Sampling Containers #		
PWBPHQ1@12'	11/9/21	9:00	2	X					X		SAR, pH, Boron	1
SEBPHQ1@12'		9:05									EC, SAR	2
WHBPHQ1@11'		9:25									SAR, pH, Boron	3
Well 502@4.5'		9:30									Full 915 Suite	4
Well 1W02@4.5'		9:35									Full 915 Suite	5
WHPHND1@5'		9:40									EC, pH, SAR, Boron	6
WHPHND2@5'		9:45										7
WHPHEQ1@5'	✓	9:50	✓	✓					✓			8
WHPHEQ2@5'	11/9/21	10:20	2	X					X			9
												10
Relinquished By: Chris Lutter	Date: 11/9/21	Time: 13:15	Received By: 			Date: 11/9/21	Time: 13:15	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"/>				
Relinquished By:	Date:	Time:	Received By:			Date:	Time:					

Date Results Needed

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Origins Laboratory, Inc.

[Signature]

Jordan A. Merrill For Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

ORIGINS

LABORATORY, INC

www.originslaboratory.com

page 2 of 2

Y1111169

Client: Civitas (XOG)
Extraction Oil and Gas CL

Address: 370 17th Street, Ste. 5300, Denver, CO 80202
on file

Telephone Number: 907-538-7699

Email Address: Apex Companies,
DenverRemediation@ApexCos.onmicrosoft.com

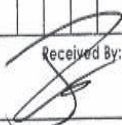
Project Manager: Nathan Bennett (XOG), Maggie Graham (Apex)

Project Name: Donley 2-36

Project Number: 744.2101.01

Samples Collected By: Apex Companies, Chris LaHue

Rachel C Carlisle@apexcar.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canisters #	Other	Full 915 / Modified 915 (Circle one) <u>CL</u>		
WHPH S01 @ 5'	11/9/21	10:35	2	X					X			EC pH, SAR, Boron	Modified 915	1
WHPH S02 @ 5'		10:40	1						X				G/BTEX, DRO/ORO	2
WHPH W01 @ 5'		10:30	1	✓	✓				X				Naphthalene <u>CL</u>	3
WHPH W02 @ 5'		10:25	2	X					X				1,2,4 + 1,3,5 Trimethylnaphthalene	4
PWUGW01		11:40	3		X			X				BTEX, TMB, Naph.	EC, SAR, pH, Boron	5
SEP GW02	✓	11:50	3		X			X						6
Well GW02	11/9/21	12:00	3		X			X					Full 915 <u>CL</u>	7
													All above + 915 Metals + 915 PAHs	8
														9
														10
Relinquished By:	Date:	Time:	Received By:				Date:	Time:	Turnaround Time:					
Chris LaHue	11/9/21	13:15					11/9/21	13:15	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/>					
Relinquished By:	Date:	Time:	Received By:				Date:	Time:	48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>					
									Standard <input type="checkbox"/>					

64

Date Results Needed



Origins Laboratory, Inc.

Handwritten signature

Jordan A. Merrill For Jen Pellegrini, Project Manager

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.

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Origins Laboratory		Sample Receipt Checklist		F-012207-01-R1 Effective Date: 01/09/12	
Origins Work Order: <u>Y111169</u>		Client: <u>Apex</u>			
Checklist Completed by: <u>SG</u>		Client Project ID: <u>Donley 2-36</u>			
Date/time completed: <u>11/9/21</u>		Shipped Via: <u>HD</u> (UPS, FedEx, Hand Delivered, Pick-up, etc.)			
Matrix(s) Received: (Check all that apply): <input checked="" type="checkbox"/> Soil/Solid		Airbill #: <u>N/A</u>			
Cooler Number/Temperature: <u>1/64</u> °C		Water: <u> </u> °C		Other: <u> </u> °C	
Thermometer ID: <u>1003</u>		(Describe)			
Requirement Description	Yes	No	N/A	Comments (if any)	
If samples require cooling, was the temperature between 0°C to ≤ 6°C?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Same Day</u>	
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Were all samples received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Was adequate sample volume provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Do sample IDs on the bottle labels match the COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is the COC properly relinquished by the client with date and time recorded?	<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 in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are samples preserved that require preservation and was it checked? (note ID of confirmation and how it was checked) (note ID of confirmation 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 NaOH, NaOH+NaOH, ZnAc+NaOH)					
Additional Comments (if any):					

3 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 Date/Time Reviewed: 11/9/21

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

PWVBPH01@12'
11/9/2021 9:00:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y111169-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.73	0.199	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.539	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	0.963	0.823	"	"	"	"	"	
Sodium	13.3	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.24		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	15.4		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEPBPH01@12'

11/9/2021 9:05:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.

Y111169-02 (Soil)

Metals by Saturated Paste

Calcium	0.978	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021
Magnesium	1.34	0.823	"	"	"	"	"
Sodium	15.3	0.435	"	"	"	"	"

SAR by 20B Saturated Paste

SAR	14.2	SAR	1	B1K0917	"	"
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.51	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021
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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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHBPH01@11'
11/9/2021 9:25:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y111169-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.854	0.199	mg/L	1	B1K0916	11/09/2021	11/10/2021	
-------	-------	-------	------	---	---------	------------	------------	--

Metals by Saturated Paste

Calcium	1.14	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	1.73	0.823	"	"	"	"	"	
Sodium	9.44	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.94		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	7.89		SAR	1	B1K0917	11/09/2021	11/10/2021	
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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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellS02@4.5'
11/9/2021 9:30:00AM

Origins Laboratory, Inc.
Y1111169-04 (Soil)

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Boron (DTPA Sorbitol)

Boron	1.02		0.201	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B1K0914	11/09/2021	11/09/2021	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.4 %		50-150		"	"	"	"	
------------------------	--------	--	--------	--	---	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1K0913	11/09/2021	11/09/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130		"	"	"	"	
----------------------------------	-------	--	--------	--	---	---	---	---	--

Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellS02@4.5'
11/9/2021 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y111169-04 (Soil)

GBTEX+TMBS

Surrogate: Toluene-d8	96.2 %	70-130	B1K09 13	11/09/2021	11/09/2021	
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"	

Metals by Saturated Paste

Calcium	0.998	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	2.00	0.823	"	"	"	"	"	
Sodium	14.2	0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L584137	11/11/2021	11/11/2021	
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00041	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.000284	0.00021	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	ND	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellS02@4.5'
11/9/2021 9:30:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Min Detection Limit	Limit						
Waypoint Analytical, Inc.									
Y111169-04 (Soil)									
PAH by 8270D SIM									
Fluorene	ND	0.00029	0.00067	mg/Kg	1	L584137	11/11/2021	11/11/2021	
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.00059	0.00067	"	"	"	"	"	

Waypoint Analytical, Inc.
Y1111169-04 (Soil)

Surrogate: 2-Fluorobiphenyl
Surrogate: 4-Terphenyl-d14
Surrogate: Nitrobenzene-d5

72.9 %
86.3 %
55.8 %

33-115
33-122
29-110

" " "
" " "
" " "

pH in Soil by 9045D
pH

8.08

pH Units

1

B1K0918

11/09/2021

11/10/2021

SAR by 20B Saturated Paste

SAR

11.6

SAR

1

B1K0917

11/09/2021

11/10/2021

Specific Conductance Mod. 9050A

Specific Conductance (EC)

1.48

0.00500

mmhos/cm

1

B1K0919

11/09/2021

11/10/2021

Total Metals by 6020B

Arsenic

0.366

0.0855

0.25

mg/Kg

5

L584130

11/11/2021

11/11/2021

Origins Laboratory, Inc.



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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellS02@4.5'
11/9/2021 9:30:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Waypoint Analytical, Inc.
Y111169-04 (Soil)

Total Metals by 6020B

Barium	5.14	0.042	0.25	mg/Kg	5	L584130	11/11/2021	11/11/2021	
Cadmium	ND	0.0259	0.25	"	"	"	"	"	
Copper	0.997	0.0806	0.25	"	"	"	"	"	
Lead	1.64	0.031	0.25	"	"	"	"	"	
Nickel	1.25	0.0633	0.25	"	"	"	"	"	
Selenium	0.184	0.103	0.25	"	"	"	"	"	J
Silver	0.0332	0.0067	0.25	"	"	"	"	"	J
Zinc	5.77	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	2.44	5	mg/Kg	10	L584190	11/09/2021	11/11/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellW02@4.5'
11/9/2021 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y1111169-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.842	0.200	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1K0914	11/09/2021	11/09/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.2 %	50-150	"	"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1K0913	11/09/2021	11/09/2021	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"	"	"	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellIW02@4.5'
11/9/2021 9:35:00AM

Origins Laboratory, Inc.
Y111169-05 (Soil)

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GBTEx+TMBS

Surrogate: Toluene-d8	95.1 %		70-130			B1K09 13	11/09/2021	11/09/2021	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste

Calcium	0.953		0.499	mg/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	1.94		0.823	"	"	"	"	"	
Sodium	12.6		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L584137	11/11/2021	11/11/2021	
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00041	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	ND	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellIW02@4.5'
11/9/2021 9:35:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Min Detection Limit	Limit						
Waypoint Analytical, Inc.									
Y111169-05 (Soil)									
PAH by 8270D SIM									
Fluorene	ND	0.00029	0.00067	mg/Kg	1	L584137	11/11/2021	11/11/2021	
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.00059	0.00067	"	"	"	"	"	

Waypoint Analytical, Inc.
Y1111169-05 (Soil)

Surrogate: 2-Fluorobiphenyl
Surrogate: 4-Terphenyl-d14
Surrogate: Nitrobenzene-d5

68.5 %
79.1 %
52.4 %

33-115
33-122
29-110

pH in Soil by 9045D
pH

8.11

pH Units

1

B1K0918

11/09/2021

11/10/2021

SAR by 20B Saturated Paste

SAR

10.4

SAR

1

B1K0917

11/09/2021

11/10/2021

Specific Conductance Mod. 9050A

Specific Conductance (EC)

1.32

0.00500

mmhos/cm

1

B1K0919

11/09/2021

11/10/2021

Total Metals by 6020B

Arsenic

0.713

0.0855

0.25

mg/Kg

5

L584130

11/11/2021

11/11/2021

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WellW02@4.5'
11/9/2021 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y111169-05 (Soil)

Total Metals by 6020B

Barium	7.55	0.042	0.25	mg/Kg	5	L584130	11/11/2021	11/11/2021	
Cadmium	ND	0.0259	0.25	"	"	"	"	"	
Copper	1.42	0.0806	0.25	"	"	"	"	"	
Lead	1.12	0.031	0.25	"	"	"	"	"	
Nickel	1.36	0.0633	0.25	"	"	"	"	"	
Selenium	0.147	0.103	0.25	"	"	"	"	"	J
Silver	ND	0.0067	0.25	"	"	"	"	"	
Zinc	4.66	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L584190	11/09/2021	11/11/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WHPHN01@5'

11/9/2021 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y111169-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.921	0.200	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.873	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	1.57	0.823	"	"	"	"	"	
Sodium	7.10	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.14		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	6.42		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.812	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHPHN02@5'
11/9/2021 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111169-07 (Soil)

Boron (DTPA Sorbitol)

Boron	4.34	0.200	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	1.35	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	3.35	0.823	"	"	"	"	"	
Sodium	32.6	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.35		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	21.3		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.13	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHPHE01@5'
11/9/2021 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111169-08 (Soil)

Boron (DTPA Sorbitol)

Boron	1.75	0.197	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	1.11	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	2.24	0.823	"	"	"	"	"	
Sodium	9.38	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.03		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	7.25		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.05	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WHPHE02@5'

11/9/2021 10:20:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.

Y111169-09 (Soil)

Boron (DTPA Sorbitol)

Boron	3.10	0.202	mg/L	1	B1K0916	11/09/2021	11/10/2021
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Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021
Magnesium	1.35	0.823	"	"	"	"	"
Sodium	18.6	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.40		pH Units	1	B1K0918	11/09/2021	11/10/2021
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SAR by 20B Saturated Paste

SAR	20.2		SAR	1	B1K0917	11/09/2021	11/10/2021
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.66	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHPHS01@5'
11/9/2021 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111169-10 (Soil)

Boron (DTPA Sorbitol)

Boron	2.10	0.200	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.529	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	2.15	0.823	"	"	"	"	"	
Sodium	57.9	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.57		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	50.0		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.65	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHPHS02@5'
11/9/2021 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y111169-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.380	0.200	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	13.9	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.71		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	19.1		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.01	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHPPHW01@5'
11/9/2021 10:30:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Min Detection Limit	Limit						

Origins Laboratory, Inc.
Y111169-12 (Soil)

Boron (DTPA Sorbitol)

Boron	2.08	0.198	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	0.719	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	1.99	0.823	"	"	"	"	"	
Sodium	21.9	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.25		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	18.8		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.00	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

WHPPHW02@5'
11/9/2021 10:25:00AM

Analyte	Result	Min Detection		Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit	Limit	Limit	Limit						

Origins Laboratory, Inc.
Y111169-13 (Soil)

Boron (DTPA Sorbitol)

Boron	3.71	0.198	mg/L	1	B1K0916	11/09/2021	11/10/2021	
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Metals by Saturated Paste

Calcium	1.43	0.499	meq/L	10	[CALC]	11/09/2021	11/10/2021	
Magnesium	1.76	0.823	"	"	"	"	"	
Sodium	24.0	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.25		pH Units	1	B1K0918	11/09/2021	11/10/2021	
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SAR by 20B Saturated Paste

SAR	19.0		SAR	1	B1K0917	11/09/2021	11/10/2021	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.32	0.00500	mmhos/cm	1	B1K0919	11/09/2021	11/10/2021	
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Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

PWVGW02

11/9/2021 11:40:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Min Detection Limit	Limit						

Origins Laboratory, Inc.

Y1111169-14 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	6.16	1.00	ug/L	1	B1K1001	11/10/2021	11/10/2021	
1,3,5-Trimethylbenzene	3.35	1.00	"	"	"	"	"	
Benzene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Naphthalene	ND	4.00	"	"	"	"	"	U
Toluene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130	"	"	"	"	"
Surrogate: Toluene-d8	95.4 %	70-130	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"	"	"

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

SEPGW02

11/9/2021 11:50:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Min Detection Limit	Limit						

Origins Laboratory, Inc.

Y111169-15 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1K1001	11/10/2021	11/10/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	"	"	U
Benzene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Naphthalene	ND	4.00	"	"	"	"	"	U
Toluene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4

95.4 %

70-130

"

"

"

Surrogate: Toluene-d8

94.4 %

70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

101 %

70-130

"

"

"

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

WellGW02

11/9/2021 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y1111169-16 (Water)

BTEX+N+TMBS by 8260D

1,2,4-Trimethylbenzene	ND		1.00	ug/L	1	B1K1001	11/10/2021	11/10/2021	U
1,3,5-Trimethylbenzene	ND		1.00	"	"	"	"	"	U
Benzene	ND		1.00	"	"	"	"	"	U
Ethylbenzene	ND		1.00	"	"	"	"	"	U
Naphthalene	ND		4.00	"	"	"	"	"	U
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	ND		1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4

96.2 %

70-130

"

"

"

Surrogate: Toluene-d8

95.7 %

70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

101 %

70-130

"

"

"

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1K0913 - EPA 5030 (soil)

Blank (B1K0913-BLK1)

Prepared: 11/09/2021 Analyzed: 11/09/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1K0913 - EPA 5030 (soil)

LCS (B1K0913-BS1)

Prepared: 11/09/2021 Analyzed: 11/09/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
Naphthalene	0.0891	0.0100	"	0.100		89.1	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.0982	0.00200	"	0.100		98.2	70-130			
m,p-Xylene	0.203	0.00400	"	0.200		101	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
Toluene	0.0963	0.00200	"	0.100		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1K0913 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1K0913-MS1) Source: Y111169-04 Prepared: 11/09/2021 Analyzed: 11/09/2021										
1,2,4-Trimethylbenzene	0.0988	0.00200	mg/kg	0.100	ND	98.8	70-130			
Naphthalene	0.0835	0.0100	"	0.100	0.00288	80.6	70-130			
1,3,5-Trimethylbenzene	0.0996	0.00200	"	0.100	ND	99.6	70-130			
Benzene	0.0963	0.00200	"	0.100	ND	96.3	70-130			
Ethylbenzene	0.0926	0.00200	"	0.100	ND	92.6	70-130			
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.4	70-130			
o-Xylene	0.0990	0.00200	"	0.100	ND	99.0	70-130			
Toluene	0.0905	0.00200	"	0.100	ND	90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Origins Laboratory, Inc.

Batch B1K0913 - EPA 5030 (soil)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (B1K0913-MSD1)		Source: Y111169-04		Prepared: 11/09/2021 Analyzed: 11/09/2021						
1,2,4-Trimethylbenzene	0.0950	0.00200	mg/kg	0.100	ND	95.0	70-130	3.96	20	
Naphthalene	0.0837	0.0100	"	0.100	0.00288	80.8	70-130	0.263	20	
1,3,5-Trimethylbenzene	0.0952	0.00200	"	0.100	ND	95.2	70-130	4.48	20	
Benzene	0.0931	0.00200	"	0.100	ND	93.1	70-130	3.44	20	
Ethylbenzene	0.0889	0.00200	"	0.100	ND	88.9	70-130	4.10	20	
m,p-Xylene	0.185	0.00400	"	0.200	ND	92.3	70-130	3.35	20	
o-Xylene	0.0951	0.00200	"	0.100	ND	95.1	70-130	4.06	20	
Toluene	0.0868	0.00200	"	0.100	ND	86.8	70-130	4.24	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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
Batch B1K0914 - EPA 3550B										

Blank (B1K0914-BLK1)										
					Prepared: 11/09/2021 Analyzed: 11/09/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		102	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K0914 - EPA 3550B										

LCS (B1K0914-BS1)										
Prepared: 11/09/2021 Analyzed: 11/09/2021										
Diesel (C10-C28)	1040	50.0	mg/kg	1000		104	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

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

Batch B1K0914 - EPA 3550B

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (B1K0914-MS1) Source: Y111169-04 Prepared: 11/09/2021 Analyzed: 11/09/2021										
Diesel (C10-C28)	1090	50.0	mg/kg	1000	ND	109	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
 4150 Darley Avenue, Suite 1
 Boulder CO 80305

Maggie Graham
 Project Number: 744.2101.01-321345
 Project: Donley 2-36

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1K0914 - EPA 3550B										

Matrix Spike Dup (B1K0914-MSD1)	Source: Y111169-04			Prepared: 11/09/2021 Analyzed: 11/09/2021						
Diesel (C10-C28)	978	50.0	mg/kg	1000	ND	97.8	70-130	10.9	35	
Residual Range Organics (C28-C40)	885	200	"	1000	ND	88.5	70-130	14.6	35	
Surrogate: o-Terphenyl	44		"	49.8		88.0	50-150			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Batch B1K1001 - EPA 5030B (Water)

Blank (B1K1001-BLK1)

Prepared: 11/10/2021 Analyzed: 11/10/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.7	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		102	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Batch B1K1001 - EPA 5030B (Water)

LCS (B1K1001-BS1)

Prepared: 11/10/2021 Analyzed: 11/10/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	58.2	1.00	ug/L	50.0		116	70-130			
1,3,5-Trimethylbenzene	57.6	1.00	"	50.0		115	70-130			
Benzene	56.0	1.00	"	50.0		112	70-130			
Ethylbenzene	54.0	1.00	"	50.0		108	70-130			
m,p-Xylene	112	2.00	"	100		112	70-130			
Naphtthalene	46.9	4.00	"	50.0		93.8	70-130			
o-Xylene	57.5	1.00	"	50.0		115	70-130			
Toluene	53.3	1.00	"	50.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.6	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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

Batch B1K1001 - EPA 5030B (Water)

LCS Dup (B1K1001-BSD1)

Prepared: 11/10/2021 Analyzed: 11/10/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trimethylbenzene	54.1	1.00	ug/L	50.0		108	70-130	7.30	20	
1,3,5-Trimethylbenzene	54.2	1.00	"	50.0		108	70-130	6.10	20	
Benzene	54.9	1.00	"	50.0		110	70-130	1.93	20	
Ethylbenzene	50.6	1.00	"	50.0		101	70-130	6.57	20	
m,p-Xylene	103	2.00	"	100		103	70-130	7.67	20	
Naphthalene	43.8	4.00	"	50.0		87.5	70-130	6.91	20	
o-Xylene	53.6	1.00	"	50.0		107	70-130	7.13	20	
Toluene	50.1	1.00	"	50.0		100	70-130	6.21	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.8	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

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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Saturated Paste - 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 B1K0918 - NO PREP

Duplicate (B1K0918-DUP1)	Source: Y111159-07			Prepared: 11/09/2021 Analyzed: 11/10/2021						
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pH	7.91	pH Units	8.16	3.11	25
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Batch B1K0919 - NO PREP

Blank (B1K0919-BLK1)	Prepared: 11/09/2021 Analyzed: 11/10/2021									
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Specific Conductance (EC)	0.000900	0.00500	mmhos/cm
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Duplicate (B1K0919-DUP1)	Source: Y111159-07			Prepared: 11/09/2021 Analyzed: 11/10/2021						
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Specific Conductance (EC)	1.45	0.00500	mmhos/cm	1.33	8.55	25
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Origins Laboratory, Inc.



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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L584137 - 3550B

MSD (L 96714-MSD-L584137)					Source: 96714					Prepared: 11/11/2021 Analyzed: 11/11/2021				
Fluorene	0.143	0.00029	mg/Kg	0.164	96714	87.1	30-130	2.8	30					
Pyrene	0.143	0.00059	"	0.164	96714	87.1	30-130	2.8	30					
Naphthalene	0.123	0.000467	"	0.164	96714	75	30-130	5	30					
Indeno(1,2,3-cd)pyrene	0.103	0.00029	"	0.164	0.000632	62.8	30-130	7.4	30					
Fluoranthene	0.135	0.00039	"	0.164	0.000473	82.3	30-130	2.9	30					
Dibenz(a,h)anthracene	0.13	0.00036	"	0.164	0.000406	79.2	30-130	3	30					
Acenaphthene	0.14	0.0003	"	0.164	96714	85.3	30-130	2.8	30					
2-Methylnaphthalene	0.123	0.00039	"	0.164	96714	75	30-130	5.8	30					
Chrysene	0.147	0.00027	"	0.164	0.000545	89.6	30-130	3.4	30					
1-Methylnaphthalene	0.13	0.00033	"	0.164	96714	79.2	30-130	3.9	30					
Anthracene	0.135	0.00033	"	0.164	96714	82.3	30-130	1.4	30					
Benzo(a)anthracene	0.139	0.00041	"	0.164	0.000556	84.7	30-130	4.4	30					
Benzo(a)pyrene	0.169	0.00014	"	0.164	0.000456	103	30-130	5.4	30					
Benzo(b)fluoranthene	0.122	0.00021	"	0.164	0.000768	73.9	30-130	1.6	30					
Benzo(k)fluoranthene	0.11	0.00013	"	0.164	0.000311	67	30-130	3.5	30					
Surrogate: Nitrobenzene-d5	55		"	0.329	179	55	29-110							
Surrogate: 2-Fluorobiphenyl	67.4		"	0.329	218	67.4	33-115							
Surrogate: 4-Terphenyl-d14	86.3		"	0.329	268	86.3	33-122							
MS (L 96714-MS-L584137)					Source: 96714					Prepared: 11/11/2021 Analyzed: 11/11/2021				
Benzo(k)fluoranthene	0.114	0.00013	mg/Kg	0.164	0.000311	69.5	30-130							
Naphthalene	0.117	0.000467	"	0.164	96714	71.3	30-130							
Indeno(1,2,3-cd)pyrene	0.111	0.00029	"	0.164	0.000632	67.6	30-130							
Fluorene	0.139	0.00029	"	0.164	96714	84.7	30-130							
Fluoranthene	0.139	0.00039	"	0.164	0.000473	84.7	30-130							
Dibenz(a,h)anthracene	0.134	0.00036	"	0.164	0.000406	81.7	30-130							
Chrysene	0.142	0.00027	"	0.164	0.000545	86.5	30-130							

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Batch L584137 - 3550B

MS (L 96714-MS-L584137)

Source: 96714

Prepared: 11/11/2021 Analyzed: 11/11/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(b)fluoranthene	0.124	0.00021	mg/Kg	0.164	0.000768	75.1	30-130			
Pyrene	0.139	0.00059	"	0.164	96714	84.7	30-130			
1-Methylnaphthalene	0.125	0.00033	"	0.164	96714	76.2	30-130			
2-Methylnaphthalene	0.116	0.00039	"	0.164	96714	70.7	30-130			
Acenaphthene	0.136	0.0003	"	0.164	96714	82.9	30-130			
Anthracene	0.133	0.00033	"	0.164	96714	81	30-130			
Benzo(a)anthracene	0.133	0.00041	"	0.164	0.000556	81	30-130			
Benzo(a)pyrene	0.16	0.00014	"	0.164	0.000456	97.5	30-130			
Surrogate: Nitrobenzene-d5	51.8		"	0.328	179	51.8	29-110			
Surrogate: 2-Fluorobiphenyl	64.9		"	0.328	218	64.9	33-115			
Surrogate: 4-Terphenyl-d14	85		"	0.328	268	85	33-122			
LCS (LCS-L584137) Prepared: 11/11/2021 Analyzed: 11/11/2021										
2-Methylnaphthalene	0.112	0.00039	mg/Kg	0.167		67	30-130			
Chrysene	0.139	0.00027	"	0.167		83.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0868	0.00029	"	0.167		51.9	30-130			
Fluorene	0.13	0.00029	"	0.167		77.8	30-130			
Fluoranthene	0.132	0.00039	"	0.167		79	30-130			
Dibenz(a,h)anthracene	0.114	0.00036	"	0.167		68.2	30-130			
Naphthalene	0.114	0.000467	"	0.167		68.2	30-130			
Benzo(k)fluoranthene	0.122	0.00013	"	0.167		73	30-130			
Benzo(b)fluoranthene	0.113	0.00021	"	0.167		67.6	30-130			
Benzo(a)pyrene	0.156	0.00014	"	0.167		93.4	30-130			
Pyrene	0.133	0.00059	"	0.167		79.6	30-130			
Acenaphthene	0.129	0.0003	"	0.167		77.2	30-130			
Benzo(a)anthracene	0.131	0.00041	"	0.167		78.4	30-130			
Anthracene	0.125	0.00033	"	0.167		74.8	30-130			

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

PAH by 8270D SIM - Quality Control Waypoint Analytical, Inc.

Batch L584137 - 3550B

LCS (LCS-L584137)

Prepared: 11/11/2021 Analyzed: 11/11/2021

1-Methylnaphthalene	0.119	0.00033	mg/Kg	0.167	71.2	30-130			
Surrogate: Nitrobenzene-d5	55.8		"	0.333	55.8	29-110			
Surrogate: 2-Fluorobiphenyl	72.6		"	0.333	72.6	33-115			
Surrogate: 4-Terphenyl-d14	87.3		"	0.333	87.3	33-122			
LRB (LRB-L584137)									

Prepared: 11/11/2021 Analyzed: 11/11/2021

Acenaphthene	ND	0.00067	mg/Kg			-			
Benzo(b)fluoranthene	ND	0.00067	"			-			
Naphthalene	ND	0.00067	"			-			
Indeno(1,2,3-cd)pyrene	0.000383	0.00067	"			-			J
Fluorene	ND	0.00067	"			-			
Fluoranthene	ND	0.00067	"			-			
Dibenz(a,h)anthracene	ND	0.00067	"			-			
2-Methylnaphthalene	ND	0.00067	"			-			
Benzo(k)fluoranthene	ND	0.00067	"			-			
Pyrene	ND	0.00067	"			-			
Benzo(a)pyrene	ND	0.00067	"			-			
Benzo(a)anthracene	ND	0.00067	"			-			
Anthracene	ND	0.00067	"			-			
1-Methylnaphthalene	ND	0.00067	"			-			
Chrysene	ND	0.00067	"			-			
Surrogate: 4-Terphenyl-d14	78.3		"	0.333	78.3	33-122			
Surrogate: 2-Fluorobiphenyl	65.1		"	0.333	65.1	33-115			
Surrogate: Nitrobenzene-d5	54.3		"	0.333	54.3	29-110			

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L584130 - 3050B

MSD (L 95743-MSD-L584130)					Source: 95743					Prepared: 11/11/2021 Analyzed: 11/11/2021				
Cadmium	0.522	0.0259	mg/kg	0.472	0.083	111	75-125	9.6	80					
Silver	0.434	0.0067	"	0.472	0.022	92	75-125	8.1	80					
Selenium	3.45	0.103	"	4.72	0.314	66	75-125	1.4	80				*	
Nickel	8.67	0.0633	"	2.36	6.92	74	75-125	7.1	80				*	
Lead	7.01	0.031	"	2.36	4.88	90	75-125	8.6	80					
Copper	7.13	0.0806	"	2.36	5.29	78	75-125	6.9	80					
Arsenic	2.94	0.0855	"	2.36	1.33	68	75-125	9.6	80				*	
Barium	91.9	0.042	"	4.72	84.3	161	75-125	12.7	80				*	
Zinc	42.4	0.534	"	23.6	20.8	91	75-125	7.3	80					

MS (L 95743-MS-L584130)					Source: 95743					Prepared: 11/11/2021 Analyzed: 11/11/2021				
Selenium	3.5	0.103	mg/kg	4.87	0.314	65	75-125						*	
Arsenic	2.67	0.0855	"	2.43	1.33	55	75-125						*	
Barium	80.9	0.042	"	4.87	84.3	NR	75-125						*	
Cadmium	0.474	0.0259	"	0.487	0.083	97	75-125							
Copper	6.65	0.0806	"	2.43	5.29	56	75-125						*	
Nickel	8.07	0.0633	"	2.43	6.92	47	75-125						*	
Silver	0.4	0.0067	"	0.487	0.022	82	75-125							
Zinc	39.4	0.534	"	24.3	20.8	76	75-125							
Lead	6.43	0.031	"	2.43	4.88	64	75-125						*	

LCS (LCS-L584130)

					Prepared: 11/11/2021 Analyzed: 11/11/2021				
Arsenic	2.37	0.0855	mg/kg	2.5	95	80-120			
Zinc	24.8	0.534	"	25	99	80-120			
Barium	4.91	0.042	"	5	98	80-120			
Cadmium	0.491	0.0259	"	0.5	98	80-120			
Copper	2.51	0.0806	"	2.5	100	80-120			

Origins Laboratory, Inc.

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Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L584130 - 3050B

LCS (LCS-L584130)										
					Prepared: 11/11/2021 Analyzed: 11/11/2021					
Lead	2.28	0.031	mg/Kg	2.5		91	80-120			
Nickel	2.37	0.0633	"	2.5		95	80-120			
Selenium	4.59	0.103	"	5		92	80-120			
Silver	0.498	0.0067	"	0.5		100	80-120			
LRB (LRB-L584130)										
					Prepared: 11/11/2021 Analyzed: 11/11/2021					

Selenium	ND	0.25	mg/Kg	-						
Silver	ND	0.25	"	-						
Nickel	ND	0.25	"	-						
Lead	ND	0.25	"	-						
Copper	ND	0.25	"	-						
Cadmium	ND	0.25	"	-						
Barium	ND	0.25	"	-						
Arsenic	ND	0.25	"	-						
Zinc	ND	2.5	"	-						

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: 744.2101.01-321345
Project: Donley 2-36

Total Metals by 7196A - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L584190 -

DUP (L 96646-DUP)		Source: 96646			Prepared: Analyzed: 11/11/2021					
Chromium, Hexavalent	ND	0.247	mg/Kg		96646	-		0	20	
MS (L 96646-MS)		Source: 96646			Prepared: Analyzed: 11/11/2021					
Chromium, Hexavalent	6.1	0.247	mg/Kg	8.13	96646	75	75-125			
LCS (LCS)					Prepared: Analyzed: 11/11/2021					
Chromium, Hexavalent	6.6	0.244	mg/Kg	8		83	75-125			
LRB (LRB)					Prepared: Analyzed: 11/11/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg			-				

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

Apex Companies, LLC

4150 Darley Avenue, Suite 1

Boulder CO 80305

Maggie Graham

Project Number: 744.2101.01-321345

Project: Donley 2-36

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jordan A. Merrill For Jen Pellegrini, Project Manager

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