

### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-10 (-1')**

**E102064-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.2 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.0 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	42.7	20.0	1	02/22/21	02/24/21	



### Sample Data

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**CS-16 (-1')**

**E102064-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		91.4 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	ND	20.0	1	02/22/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-17 (-1')**

**E102064-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		96.5 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	55.6	20.0	1	02/22/21	02/24/21	



### Sample Data

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**CS-21 (-1')**

**E102064-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.1 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		99.0 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	ND	20.0	1	02/22/21	02/24/21	



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**CS-22 (-1')**

**E102064-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	51.8	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		102 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	27.2	20.0	1	02/22/21	02/24/21	



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**CS-23 (-1')**

**E102064-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	38.9	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		97.1 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	29.2	20.0	1	02/22/21	02/24/21	



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**CS-24 (-1')**

**E102064-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.8 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	29.0	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	25.5	20.0	1	02/22/21	02/24/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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## CS-25 (-1')

## E102064-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	39.1	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		94.2 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	30.4	20.0	1	02/22/21	02/24/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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## CS-26 (-1')

## E102064-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	41.3	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	28.6	20.0	1	02/22/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-27 (-1')**

**E102064-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.7 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		94.2 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	72.8	20.0	1	02/22/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-28 (-1')**

**E102064-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	61.0	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		97.7 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	37.6	20.0	1	02/22/21	02/24/21	



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## CS-11 (-1')

## E102064-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/23/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/23/21	02/24/21	
<i>Surrogate: n-Nonane</i>		84.4 %	50-200	02/23/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109019
Chloride	36.2	20.0	1	02/23/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-12 (-1')**

**E102064-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.3 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/23/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/23/21	02/24/21	
<i>Surrogate: n-Nonane</i>						
		95.2 %	50-200	02/23/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109019
Chloride	33.0	20.0	1	02/23/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-13 (-1')**

**E102064-23**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.7 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/23/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/23/21	02/24/21	
<i>Surrogate: n-Nonane</i>						
		90.2 %	50-200	02/23/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109019
Chloride	122	20.0	1	02/23/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-14 (-1')**

**E102064-24**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.1 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/23/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/23/21	02/24/21	
<i>Surrogate: n-Nonane</i>						
		88.7 %	50-200	02/23/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109019
Chloride	99.9	20.0	1	02/23/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-15 (-1')**

**E102064-25**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.4 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109012
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109018
Diesel Range Organics (C10-C28)	ND	25.0	1	02/23/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/23/21	02/24/21	
<i>Surrogate: n-Nonane</i>						
		90.7 %	50-200	02/23/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109019
Chloride	27.8	20.0	1	02/23/21	02/24/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109006-BLK1)**

Prepared: 02/22/21 Analyzed: 02/22/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

**LCS (2109006-BS1)**

Prepared: 02/22/21 Analyzed: 02/22/21

Benzene	4.74	0.0250	5.00		94.9	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
Ethylbenzene	4.75	0.0250	5.00		94.9	70-130			
p,m-Xylene	9.69	0.0500	10.0		96.9	70-130			
o-Xylene	4.92	0.0250	5.00		98.3	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

**Matrix Spike (2109006-MS1)**

Source: E102064-01 Prepared: 02/22/21 Analyzed: 02/22/21

Benzene	4.72	0.0250	5.00	ND	94.4	54-133			
Toluene	4.91	0.0250	5.00	ND	98.1	61-130			
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133			
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131			
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

**Matrix Spike Dup (2109006-MSD1)**

Source: E102064-01 Prepared: 02/22/21 Analyzed: 02/22/21

Benzene	5.00	0.0250	5.00	ND	100	54-133	5.83	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	5.16	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	4.96	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	4.65	20	
o-Xylene	5.17	0.0250	5.00	ND	103	63-131	5.07	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	4.79	20	
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2109012-BLK1)

Prepared: 02/22/21 Analyzed: 02/23/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

#### LCS (2109012-BS1)

Prepared: 02/22/21 Analyzed: 02/23/21

Benzene	4.84	0.0250	5.00		96.7	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
Ethylbenzene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
Total Xylenes	14.8	0.0250	15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

#### Matrix Spike (2109012-MS1)

Source: E102064-21 Prepared: 02/22/21 Analyzed: 02/23/21

Benzene	4.72	0.0250	5.00	ND	94.5	54-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
Ethylbenzene	4.69	0.0250	5.00	ND	93.7	61-133			
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	63-131			
o-Xylene	4.88	0.0250	5.00	ND	97.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

#### Matrix Spike Dup (2109012-MSD1)

Source: E102064-21 Prepared: 02/22/21 Analyzed: 02/23/21

Benzene	5.12	0.0250	5.00	ND	102	54-133	8.09	20	
Toluene	5.27	0.0250	5.00	ND	105	61-130	7.72	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	7.61	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	7.49	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	7.76	20	
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131	7.58	20	
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109006-BLK1)**

Prepared: 02/22/21 Analyzed: 02/22/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.2	70-130			

**LCS (2109006-BS2)**

Prepared: 02/22/21 Analyzed: 02/22/21

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

**Matrix Spike (2109006-MS2)**

Source: E102064-01 Prepared: 02/22/21 Analyzed: 02/22/21

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

**Matrix Spike Dup (2109006-MSD2)**

Source: E102064-01 Prepared: 02/22/21 Analyzed: 02/22/21

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	0.295	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109012-BLK1)**

Prepared: 02/22/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

**LCS (2109012-BS2)**

Prepared: 02/22/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

**Matrix Spike (2109012-MS2)**

Source: E102064-21 Prepared: 02/22/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

**Matrix Spike Dup (2109012-MSD2)**

Source: E102064-21 Prepared: 02/22/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.8	70-130	2.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109007-BLK1)**

Prepared: 02/22/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.9		50.0		108	50-200			

**LCS (2109007-BS1)**

Prepared: 02/22/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	486	25.0	500		97.2	38-132			
Surrogate: <i>n</i> -Nonane	51.7		50.0		103	50-200			

**Matrix Spike (2109007-MS1)**

Source: E102064-08 Prepared: 02/22/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	481	25.0	500	ND	96.2	38-132			
Surrogate: <i>n</i> -Nonane	46.1		50.0		92.2	50-200			

**Matrix Spike Dup (2109007-MSD1)**

Source: E102064-08 Prepared: 02/22/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	480	25.0	500	ND	96.1	38-132	0.125	20	
Surrogate: <i>n</i> -Nonane	44.8		50.0		89.6	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109018-BLK1)**

Prepared: 02/23/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	44.9		50.0		89.9	50-200			

**LCS (2109018-BS1)**

Prepared: 02/23/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	497	25.0	500		99.4	38-132			
Surrogate: <i>n</i> -Nonane	43.5		50.0		87.0	50-200			

**Matrix Spike (2109018-MS1)**

Source: E102074-03 Prepared: 02/23/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	515	25.0	500	ND	103	38-132			
Surrogate: <i>n</i> -Nonane	41.8		50.0		83.7	50-200			

**Matrix Spike Dup (2109018-MSD1)**

Source: E102074-03 Prepared: 02/23/21 Analyzed: 02/23/21

Diesel Range Organics (C10-C28)	495	25.0	500	ND	98.9	38-132	3.94	20	
Surrogate: <i>n</i> -Nonane	36.2		50.0		72.3	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109011-BLK1)**

Prepared: 02/22/21 Analyzed: 02/23/21

Chloride ND 20.0

**LCS (2109011-BS1)**

Prepared: 02/22/21 Analyzed: 02/23/21

Chloride 248 20.0 250 99.3 90-110

**Matrix Spike (2109011-MS1)**

Source: E102064-01 Prepared: 02/22/21 Analyzed: 02/23/21

Chloride 338 20.0 250 90.1 99.0 80-120

**Matrix Spike Dup (2109011-MSD1)**

Source: E102064-01 Prepared: 02/22/21 Analyzed: 02/23/21

Chloride 336 20.0 250 90.1 98.3 80-120 0.552 20



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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#### Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109019-BLK1)**

Prepared: 02/23/21 Analyzed: 02/24/21

Chloride ND 20.0

**LCS (2109019-BS1)**

Prepared: 02/23/21 Analyzed: 02/24/21

Chloride 248 20.0 250 99.2 90-110

**Matrix Spike (2109019-MS1)**

Source: E102064-21 Prepared: 02/23/21 Analyzed: 02/24/21

Chloride 287 20.0 250 36.2 100 80-120

**Matrix Spike Dup (2109019-MSD1)**

Source: E102064-21 Prepared: 02/23/21 Analyzed: 02/24/21

Chloride 284 20.0 250 36.2 99.0 80-120 1.23 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25/24	
201 S Halagueno St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	02/25/21 13:36

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: SMA - Carlsbad  
 Project: Dolly Varden 25/24  
 Project Manager: Ashley Maxwell  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Ashley  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: SMA / Newbourne  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

5-Day  
 Lab Use Only  
 Lab WO# PE102006-190260001  
 Job Number Am 2/22/21  
 Analysis and Method \_\_\_\_\_  
 EPA Program  
 TAT  
 1D 3D  
 RCRA CWA SDWA

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	State	Remarks
	2/16	S	1	CS-1 (-1')	1							X			
				CS-2 (-1')	2										
				CS-3 (-1')	3										
				CS-4 (-1')	4										
				CS-5 (-1')	5										
				CS-6 (-1')	6										
				CS-7 (-1')	7										
				CS-8 (-1')	8										
				CS-9 (-1')	9										
				CS-10 (-1')	10										

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Not Given</u>	Date <u>2/19</u>	Time <u>1:15pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1:15</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1650</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/22/21</u>	Time <u>9:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: SMA - Carlsbad  
 Project: Dolly Varden 25/24  
 Project Manager: Ashley Maxwell  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Ashley  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: SMA / Mewbourne  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

5-Day  
 Lab Use Only  
 Lab WO# PE 102004 Job Number 190260001  
 TAT  
 1D 3D RCRA CWA SDWA  
 AM 2/22/21 Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number
	2/18	S	1	CS-16 (-1')	11
				CS-17 (-1')	12
				CS-21 (-1')	13
				CS-22 (-1')	14
				CS-23 (-1')	15
				CS-24 (-1')	16
				CS-25 (-1')	17
				CS-26 (-1')	18
				CS-27 (-1')	19
				CS-28 (-1')	20

State		Remarks	
NM	CO	UT	AZ
X			
TX	OK		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Nate Carr</u>	Date <u>2/19</u>	Time <u>1:15pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1315</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1650</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/22/21</u>	Time <u>9:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: <u>SMA- Carlsbad</u>	Bill To	Lab Use Only		TAT		EPA Program		
Project: <u>Dolly Varden 25/24</u>	Attention: <u>SMA/Mewbourne</u>	Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE10206A</u>	<u>19026-000</u>					
Address:	City, State, Zip	<u>AM 2/22/21</u> Analysis and Method			State			
City, State, Zip	Phone:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	
Phone:	Email:							NM
Email: <u>Ashley</u>								CO
Report due by:								UT
								AZ
								TX
								OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	2/16	S	1	CS-11 (-1')	21							X		
	2/17			CS-12 (-1')	22									
	2/17			CS-13 (-1')	23									
	2/17			CS-14 (-1')	24									
	2/17			CS-15 (-1')	25									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Noto Gun</u>	Date <u>2/19</u>	Time <u>1:15</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1315</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1650</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>9:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 2/22/2021 1:12:31PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/22/21 09:45	Work Order ID:	E102064
Phone:	(505) 325-7535	Date Logged In:	02/22/21 11:24	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	02/26/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Mewbourne

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Mewbourne

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25/24

Work Order: E102065

Job Number: 19026-0001

Received: 2/22/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/26/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 2/26/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25/24  
Workorder: E102065  
Date Received: 2/22/2021 9:45:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2021 9:45:00AM, under the Project Name: Dolly Varden 25/24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25/24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BG-1 (-1')	5
BG-1 (-2')	6
BG-1 (-3')	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

### Sample Summary

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 02/26/21 13:36
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG-1 (-1')	E102065-01A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
BG-1 (-2')	E102065-02A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
BG-1 (-3')	E102065-03A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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### BG-1 (-1')

#### E102065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2109016
Benzene	ND	0.0250	1	02/24/21	02/24/21	
Toluene	ND	0.0250	1	02/24/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/24/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/24/21	02/24/21	
o-Xylene	ND	0.0250	1	02/24/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/24/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.5 %	70-130	02/24/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2109016
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/24/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.0 %	70-130	02/24/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2109023
Chloride	45.0	20.0	1	02/25/21	02/25/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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**BG-1 (-2')**

**E102065-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109016
Benzene	ND	0.0250	1	02/24/21	02/24/21	
Toluene	ND	0.0250	1	02/24/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/24/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/24/21	02/24/21	
o-Xylene	ND	0.0250	1	02/24/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/24/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	02/24/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109016
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/24/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	02/24/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		91.7 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109023
Chloride	48.0	20.0	1	02/25/21	02/25/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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## BG-1 (-3')

## E102065-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109016
Benzene	ND	0.0250	1	02/24/21	02/24/21	
Toluene	ND	0.0250	1	02/24/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/24/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/24/21	02/24/21	
o-Xylene	ND	0.0250	1	02/24/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/24/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	02/24/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109016
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/24/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	02/24/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109023
Chloride	ND	20.0	1	02/25/21	02/25/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2109016-BLK1)

Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			

#### LCS (2109016-BS1)

Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	4.67	0.0250	5.00		93.3	70-130			
Toluene	4.78	0.0250	5.00		95.7	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
o-Xylene	4.78	0.0250	5.00		95.6	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

#### Matrix Spike (2109016-MS1)

Source: E102074-01 Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	4.62	0.0250	5.00	ND	92.5	54-133			
Toluene	4.75	0.0250	5.00	ND	95.1	61-130			
Ethylbenzene	4.61	0.0250	5.00	ND	92.2	61-133			
p,m-Xylene	9.30	0.0500	10.0	ND	93.0	63-131			
o-Xylene	4.71	0.0250	5.00	ND	94.2	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

#### Matrix Spike Dup (2109016-MSD1)

Source: E102074-01 Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	4.56	0.0250	5.00	ND	91.3	54-133	1.30	20	
Toluene	4.69	0.0250	5.00	ND	93.8	61-130	1.30	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.5	61-133	0.760	20	
p,m-Xylene	9.23	0.0500	10.0	ND	92.3	63-131	0.755	20	
o-Xylene	4.70	0.0250	5.00	ND	94.0	63-131	0.260	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.8	63-131	0.589	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109016-BLK1)**

Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			

**LCS (2109016-BS2)**

Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			

**Matrix Spike (2109016-MS2)**

Source: E102074-01 Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130			

**Matrix Spike Dup (2109016-MSD2)**

Source: E102074-01 Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130	0.787	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109022-BLK1)**

Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	50-200			

**LCS (2109022-BS1)**

Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	472	25.0	500		94.4	38-132			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	50-200			

**Matrix Spike (2109022-MS1)**

Source: E102066-03 Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	475	25.0	500	ND	95.0	38-132			
Surrogate: <i>n</i> -Nonane	47.7		50.0		95.3	50-200			

**Matrix Spike Dup (2109022-MSD1)**

Source: E102066-03 Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.4	38-132	0.497	20	
Surrogate: <i>n</i> -Nonane	48.3		50.0		96.7	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/26/2021 1:36:22PM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109023-BLK1)**

Prepared: 02/25/21 Analyzed: 02/25/21

Chloride ND 20.0

**LCS (2109023-BS1)**

Prepared: 02/25/21 Analyzed: 02/25/21

Chloride 251 20.0 250 100 90-110

**Matrix Spike (2109023-MS1)**

Source: E102065-01 Prepared: 02/25/21 Analyzed: 02/25/21

Chloride 307 20.0 250 45.0 105 80-120

**Matrix Spike Dup (2109023-MSD1)**

Source: E102065-01 Prepared: 02/25/21 Analyzed: 02/25/21

Chloride 305 20.0 250 45.0 104 80-120 0.490 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 02/26/21 13:36
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only		5-Day	
Project: <u>Dolly Varden 2/5/24</u>	Attention: <u>SMA / Newbourne</u>	Lab WO#	Job Number	EPA Program	
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE102005</u>	<u>PK26-0001</u>	1D	3D
Address:	City, State, Zip	<u>AM 2/22/21</u> Analysis and Method		RCRA	CWA
City, State, Zip	Phone:			SDWA	
Phone:	Email:			State	
Email: <u>Ashley</u>				NM	CO
Report due by:				TX	OK
				AZ	

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	2/16	S	1	BG-1 (C-1')	1							X		
	2/16	I	1	BG-1 (C-2')	2							I		
	2/16	I	1	BG-1 (C-3')	3							I		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>NH Gin</u>	Date <u>2/19</u>	Time <u>1:15 pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1:15</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-19-21</u>	Time <u>1650</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/22/21</u>	Time <u>9:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

**Envirotech Analytical Laboratory**

Printed: 2/22/2021 1:12:00PM

**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/22/21 09:45	Work Order ID:	E102065
Phone:	(505) 325-7535	Date Logged In:	02/22/21 11:40	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	02/26/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Mewbourne

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Mewbourne

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E102072

Job Number: 19026-0001

Received: 2/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/1/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/1/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E102072  
Date Received: 2/23/2021 11:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/23/2021 11:30:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-18	6
CS-19	7
CS-20	8
CS-29	9
CS-30	10
CS-31	11
CS-32	12
CS-33	13
CS-34	14
CS-35	15
CS-36	16
CS-37	17
CS-38	18
CS-39	19
CS-40	20
CS-41	21
CS-42	22
CS-43	23
CS-44	24
CS-45	25

## Table of Contents (continued)

CS-46	26
QC Summary Data	27
QC - Volatile Organics by EPA 8021B	27
QC - Nonhalogenated Organics by EPA 8015D - GRO	29
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	31
QC - Anions by EPA 300.0/9056A	33
Definitions and Notes	35
Chain of Custody etc.	36

**Sample Summary**

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25-24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
03/01/21 16:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-18	E102072-01A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-19	E102072-02A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-20	E102072-03A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-29	E102072-04A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-30	E102072-05A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-31	E102072-06A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-32	E102072-07A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-33	E102072-08A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-34	E102072-09A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-35	E102072-10A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-36	E102072-11A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-37	E102072-12A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-38	E102072-13A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-39	E102072-14A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-40	E102072-15A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-41	E102072-16A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-42	E102072-17A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-43	E102072-18A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-44	E102072-19A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-45	E102072-20A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CS-46	E102072-21A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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### CS-18

#### E102072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/25/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/25/21	
<i>Surrogate: n-Nonane</i>		109 %	50-200	02/25/21	02/25/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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## CS-19

## E102072-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		94.6 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-20**

**E102072-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		95.3 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-29**

**E102072-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.1 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		104 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-30**

**E102072-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		97.7 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	35.5	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-31**  
**E102072-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		99.6 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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## CS-32

## E102072-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		91.0 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	31.0	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-33**

**E102072-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		99.1 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	36.6	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-34**

**E102072-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/25/21	
Toluene	ND	0.0250	1	02/25/21	02/25/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/25/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/25/21	
o-Xylene	ND	0.0250	1	02/25/21	02/25/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/25/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/25/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	02/25/21	02/25/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		98.8 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	53.3	40.0	2	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-35**

**E102072-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		103 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-36**

**E102072-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109025
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		92.3 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	40.0	2	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-37**

**E102072-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-38**

**E102072-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.3 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-39**

**E102072-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	58.9	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		101 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	47.1	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-40**

**E102072-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		102 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	20.2	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-41**  
**E102072-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		91.8 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	ND	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-42**

**E102072-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		87.7 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	22.6	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-43**

**E102072-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		98.0 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	24.4	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-44**

**E102072-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.2 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	65.1	20.0	1	02/25/21	02/26/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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## CS-45

## E102072-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109026
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	25.7	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109030
Chloride	37.3	20.0	1	02/25/21	02/26/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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**CS-46**

**E102072-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109027
Benzene	ND	0.0250	1	02/25/21	02/26/21	
Toluene	ND	0.0250	1	02/25/21	02/26/21	
Ethylbenzene	ND	0.0250	1	02/25/21	02/26/21	
p,m-Xylene	ND	0.0500	1	02/25/21	02/26/21	
o-Xylene	ND	0.0250	1	02/25/21	02/26/21	
Total Xylenes	ND	0.0250	1	02/25/21	02/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109027
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/25/21	02/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	02/25/21	02/26/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109032
Diesel Range Organics (C10-C28)	ND	25.0	1	02/25/21	02/26/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/25/21	02/26/21	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	02/25/21	02/26/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2109029
Chloride	38.1	20.0	1	02/25/21	02/26/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2109026-BLK1)

Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

#### LCS (2109026-BS1)

Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
o-Xylene	4.86	0.0250	5.00		97.2	70-130			
Total Xylenes	14.5	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

#### Matrix Spike (2109026-MS1)

Source: E102072-01 Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	4.82	0.0250	5.00	ND	96.4	54-133			
Toluene	5.07	0.0250	5.00	ND	101	61-130			
Ethylbenzene	4.92	0.0250	5.00	ND	98.3	61-133			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

#### Matrix Spike Dup (2109026-MSD1)

Source: E102072-01 Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	4.58	0.0250	5.00	ND	91.6	54-133	5.17	20	
Toluene	4.80	0.0250	5.00	ND	96.0	61-130	5.54	20	
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	61-133	5.30	20	
p,m-Xylene	9.51	0.0500	10.0	ND	95.1	63-131	5.39	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	63-131	5.52	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.6	63-131	5.44	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2109027-BLK1)

Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

#### LCS (2109027-BS1)

Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	4.73	0.0250	5.00		94.7	70-130			
Toluene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130			
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130			
o-Xylene	4.90	0.0250	5.00		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

#### Matrix Spike (2109027-MS1)

Source: E102069-01 Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	4.69	0.0250	5.00	ND	93.9	54-133			
Toluene	4.85	0.0250	5.00	ND	97.1	61-130			
Ethylbenzene	4.73	0.0250	5.00	ND	94.5	61-133			
p,m-Xylene	9.55	0.0500	10.0	ND	95.5	63-131			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

#### Matrix Spike Dup (2109027-MSD1)

Source: E102069-01 Prepared: 02/25/21 Analyzed: 02/25/21

Benzene	4.81	0.0250	5.00	ND	96.1	54-133	2.34	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	2.36	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	61-133	2.78	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	2.65	20	
o-Xylene	4.98	0.0250	5.00	ND	99.7	63-131	2.59	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	2.63	20	
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2109026-BLK1)**

Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130		

**LCS (2109026-BS2)**

Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130		

**Matrix Spike (2109026-MS2)**

Source: E102072-01 Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.3	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130		

**Matrix Spike Dup (2109026-MSD2)**

Source: E102072-01 Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130	3.27	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.8	70-130		



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109027-BLK1)**

Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

**LCS (2109027-BS2)**

Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

**Matrix Spike (2109027-MS2)**

Source: E102069-01 Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

**Matrix Spike Dup (2109027-MSD2)**

Source: E102069-01 Prepared: 02/25/21 Analyzed: 02/25/21

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	0.771	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109025-BLK1)**

Prepared: 02/24/21 Analyzed: 02/25/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.5	50-200			

**LCS (2109025-BS1)**

Prepared: 02/24/21 Analyzed: 02/25/21

Diesel Range Organics (C10-C28)	446	25.0	500		89.2	38-132			
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	50-200			

**Matrix Spike (2109025-MS1)**

Source: E102061-05 Prepared: 02/24/21 Analyzed: 02/25/21

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.7	38-132			
Surrogate: <i>n</i> -Nonane	49.0		50.0		97.9	50-200			

**Matrix Spike Dup (2109025-MSD1)**

Source: E102061-05 Prepared: 02/24/21 Analyzed: 02/25/21

Diesel Range Organics (C10-C28)	447	25.0	500	ND	89.5	38-132	2.42	20	
Surrogate: <i>n</i> -Nonane	48.5		50.0		97.0	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109032-BLK1)**

Prepared: 02/25/21 Analyzed: 02/26/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.9		50.0		102	50-200			

**LCS (2109032-BS1)**

Prepared: 02/25/21 Analyzed: 02/26/21

Diesel Range Organics (C10-C28)	486	25.0	500		97.1	38-132			
Surrogate: <i>n</i> -Nonane	53.5		50.0		107	50-200			

**Matrix Spike (2109032-MS1)**

Source: E102072-16 Prepared: 02/25/21 Analyzed: 02/26/21

Diesel Range Organics (C10-C28)	467	25.0	500	ND	93.4	38-132			
Surrogate: <i>n</i> -Nonane	48.4		50.0		96.8	50-200			

**Matrix Spike Dup (2109032-MSD1)**

Source: E102072-16 Prepared: 02/25/21 Analyzed: 02/26/21

Diesel Range Organics (C10-C28)	462	25.0	500	ND	92.5	38-132	0.999	20	
Surrogate: <i>n</i> -Nonane	48.9		50.0		97.9	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Anions by EPA 300.0/9056A

Analyst: AC

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109029-BLK1)**

Prepared: 02/25/21 Analyzed: 02/26/21

Chloride ND 20.0

**LCS (2109029-BS1)**

Prepared: 02/25/21 Analyzed: 02/26/21

Chloride 251 20.0 250 100 90-110

**Matrix Spike (2109029-MS1)**

Source: E102069-01 Prepared: 02/25/21 Analyzed: 02/26/21

Chloride 253 20.0 250 ND 101 80-120

**Matrix Spike Dup (2109029-MSD1)**

Source: E102069-01 Prepared: 02/25/21 Analyzed: 02/26/21

Chloride 252 20.0 250 ND 101 80-120 0.412 20



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/1/2021 4:30:07PM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109030-BLK1)**

Prepared: 02/25/21 Analyzed: 02/25/21

Chloride ND 20.0

**LCS (2109030-BS1)**

Prepared: 02/25/21 Analyzed: 02/25/21

Chloride 249 20.0 250 99.6 90-110

**Matrix Spike (2109030-MS1)**

Source: E102072-01 Prepared: 02/25/21 Analyzed: 02/26/21

Chloride 247 20.0 250 ND 98.9 80-120

**Matrix Spike Dup (2109030-MSD1)**

Source: E102072-01 Prepared: 02/25/21 Analyzed: 02/26/21

Chloride 253 20.0 250 ND 101 80-120 2.38 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 03/01/21 16:30
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



5-Day

Client: <u>SMA - Carlsbad</u>		Bill To		Lab Use Only		TAT		EPA Program				
Project: <u>Dolly Varden 25-24</u>		Attention: <u>SMA / Mowbrum</u>		Lab WO#		1D 3D		RCRA		CWA	SDWA	
Project Manager: <u>Ashley Maxwell</u>		Address:		Job Number								
Address:		City, State, Zip		<u>PE 102572 / P0260001</u>								
City, State, Zip		Phone:		<u>Am 2/23/21</u>		Analysis and Method		State				
Phone:		Email:						NM		CO	UT	AZ
Email: <u>Ashley</u>								<input checked="" type="checkbox"/>				
Report due by:								TX		OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	<u>2/19</u>	<u>S</u>	<u>1</u>	<u>CS-18 (-1')</u>	<u>1</u>							<input checked="" type="checkbox"/>		
				<u>CS-19 (-1')</u>	<u>2</u>									
				<u>CS-20 (-1')</u>	<u>3</u>									
				<u>CS-29 (-1')</u>	<u>4</u>									
				<u>CS-30 (-1')</u>	<u>5</u>									
				<u>CS-31 (-1')</u>	<u>6</u>									
				<u>CS-<del>30</del> 32 (-1')</u>	<u>7</u>									
				<u>CS-33 (-1')</u>	<u>8</u>									
				<u>CS-34 (-1')</u>	<u>9</u>									
				<u>CS-35 (-1')</u>	<u>10</u>									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Nick Orr</u>	Date <u>2/22</u>	Time	Received by: (Signature) <u>[Signature]</u>	Date <u>2-22-21</u>	Time <u>1350</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-22-21</u>	Time <u>1700</u>	Received by: (Signature) <u>Alexandra</u>	Date <u>2/23/21</u>	Time <u>11:30</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: <u>SMA - Carlsbad</u>		Bill To		Lab Use Only				EPA Program			
Project: <u>Dolly Varden 25-24</u>		Attention: <u>SMA / Menubourne</u>		Lab WO#		Job Number		TAT		EPA Program	
Project Manager: <u>Ashley Maxwell</u>		Address:		<u>PE102072</u>		<u>190260001</u>		1D 3D		RCRA CWA SDWA	
Address:		City, State, Zip		<u>AM 2/23/21</u>		Analysis and Method				State	
City, State, Zip		Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260	
Phone:		Email:		Metals 6010		Chloride 300.0		BGDOC - NM		BGDOC - TX	
Email: <u>Ashley</u>		Report due by:								NM CO UT AZ	
										TX OK	

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	<u>2/19</u>	<u>S</u>	<u>1</u>	<u>CS-36 (-1')</u>	<u>11</u>									
				<u>CS-37 (-1')</u>	<u>12</u>									
				<u>CS-38 (-1')</u>	<u>13</u>									
				<u>CS-39 (-1')</u>	<u>14</u>									
				<u>CS-40 (-1')</u>	<u>15</u>									
				<u>CS-41 (-1')</u>	<u>16</u>									
				<u>CS-42 (-1')</u>	<u>17</u>									
				<u>CS-43 (-1')</u>										

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Nick Carr</u>	Date <u>2/22</u>	Time	Received by: (Signature) <u>[Signature]</u>	Date <u>2-22-21</u>	Time <u>1350</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-22-21</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/23/21</u>	Time <u>11:30</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 2/23/2021 12:53:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/23/21 11:30	Work Order ID:	E102072
Phone:	(505) 325-7535	Date Logged In:	02/22/21 16:58	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/01/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Comments/Resolution**

Mewbourne

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E102073

Job Number: 19026-0001

Received: 2/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/2/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/2/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E102073  
Date Received: 2/23/2021 11:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/23/2021 11:30:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CSW-1	5
CSW-2	6
CSW-3	7
CSW-4	8
CSW-5	9
CSW-6	10
CSW-7	11
CSW-8	12
CSW-9	13
CSW-10	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc.	20

### Sample Summary

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 03/02/21 12:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW-1	E102073-01A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-2	E102073-02A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-3	E102073-03A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-4	E102073-04A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-5	E102073-05A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-6	E102073-06A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-7	E102073-07A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-8	E102073-08A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-9	E102073-09A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.
CSW-10	E102073-10A	Soil	02/19/21	02/23/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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## CSW-1

## E102073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.1 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		89.1 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	ND	20.0	1	03/01/21	03/01/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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## CSW-2

## E102073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	44.7	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	63.9	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		100 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	ND	20.0	1	03/01/21	03/01/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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**CSW-3**

**E102073-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.6 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	ND	20.0	1	03/01/21	03/01/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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## CSW-4

## E102073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		103 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	ND	20.0	1	03/01/21	03/01/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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**CSW-5**

**E102073-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		102 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	ND	20.0	1	03/01/21	03/01/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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**CSW-6**

**E102073-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		96.7 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	71.1	20.0	1	03/01/21	03/02/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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**CSW-7**

**E102073-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		97.9 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	21.5	20.0	1	03/01/21	03/02/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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## CSW-8

## E102073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	32.0	20.0	1	03/01/21	03/02/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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## CSW-9

## E102073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	23.5	20.0	1	03/01/21	03/02/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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**CSW-10**  
**E102073-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Benzene	ND	0.0250	1	02/23/21	02/24/21	
Toluene	ND	0.0250	1	02/23/21	02/24/21	
Ethylbenzene	ND	0.0250	1	02/23/21	02/24/21	
p,m-Xylene	ND	0.0500	1	02/23/21	02/24/21	
o-Xylene	ND	0.0250	1	02/23/21	02/24/21	
Total Xylenes	ND	0.0250	1	02/23/21	02/24/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2109017
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/21	02/24/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.8 %	70-130	02/23/21	02/24/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109022
Diesel Range Organics (C10-C28)	ND	25.0	1	02/24/21	02/24/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/24/21	02/24/21	
<i>Surrogate: n-Nonane</i>		105 %	50-200	02/24/21	02/24/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2110007
Chloride	23.0	20.0	1	03/01/21	03/02/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2109017-BLK1)

Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

#### LCS (2109017-BS1)

Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	4.71	0.0250	5.00		94.1	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.1	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
Total Xylenes	14.3	0.0250	15.0		95.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			

#### Matrix Spike (2109017-MS1)

Source: E102061-01 Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	4.54	0.0250	5.00	ND	90.8	54-133			
Toluene	4.67	0.0250	5.00	ND	93.4	61-130			
Ethylbenzene	4.52	0.0250	5.00	ND	90.5	61-133			
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	63-131			
o-Xylene	4.63	0.0250	5.00	ND	92.6	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	91.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

#### Matrix Spike Dup (2109017-MSD1)

Source: E102061-01 Prepared: 02/23/21 Analyzed: 02/23/21

Benzene	4.71	0.0250	5.00	ND	94.2	54-133	3.69	20	
Toluene	4.83	0.0250	5.00	ND	96.7	61-130	3.44	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133	3.41	20	
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	63-131	3.33	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	2.97	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.7	63-131	3.21	20	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109017-BLK1)**

Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.24		8.00		103	70-130			

**LCS (2109017-BS2)**

Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		8.00		102	70-130			

**Matrix Spike (2109017-MS2)**

Source: E102061-01 Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			

**Matrix Spike Dup (2109017-MSD2)**

Source: E102061-01 Prepared: 02/23/21 Analyzed: 02/23/21

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130	7.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2109022-BLK1)**

Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	50-200			

**LCS (2109022-BS1)**

Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	472	25.0	500		94.4	38-132			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	50-200			

**Matrix Spike (2109022-MS1)**

Source: E102066-03 Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	475	25.0	500	ND	95.0	38-132			
Surrogate: <i>n</i> -Nonane	47.7		50.0		95.3	50-200			

**Matrix Spike Dup (2109022-MSD1)**

Source: E102066-03 Prepared: 02/24/21 Analyzed: 02/24/21

Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.4	38-132	0.497	20	
Surrogate: <i>n</i> -Nonane	48.3		50.0		96.7	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/2/2021 12:32:56PM
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#### Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110007-BLK1)**

Prepared: 03/01/21 Analyzed: 03/01/21

Chloride ND 20.0

**LCS (2110007-BS1)**

Prepared: 03/01/21 Analyzed: 03/01/21

Chloride 246 20.0 250 98.6 90-110

**Matrix Spike (2110007-MS1)**

Source: E102073-01 Prepared: 03/01/21 Analyzed: 03/01/21

Chloride 257 20.0 250 ND 103 80-120

**Matrix Spike Dup (2110007-MSD1)**

Source: E102073-01 Prepared: 03/01/21 Analyzed: 03/01/21

Chloride 255 20.0 250 ND 102 80-120 0.691 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/02/21 12:32

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



5-Day

Client: SMA - Carlsbad		Bill To		Lab Use Only		TAT		EPA Program					
Project: Dolly Varden 25-24		Attention: SMA - Menbourne		Lab WO# PE102073		Job Number 190260001		1D	3D	RCRA	CWA	SDWA	
Project Manager: Ashley Maxwell		Address:		PE102073		Am 2/23/21		Analysis and Method		State			
Address:		City, State, Zip		Phone:		Email:				NM	CO	UT	AZ
City, State, Zip										X			
Phone:										TX	OK		
Email: Ashley										Remarks			
Report due by:													

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	2/19	S	1	CSW-1	1							X		
				CSW-2	2									
				CSW-3	3									
				CSW-4	4									
				CSW-5	5									
				CSW-6	6									
				CSW-7	7									
				CSW-8	8									
				CSW-9	9									
				CSW-10	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Nick Gu</i>	Date 2/22	Time	Received by: (Signature) <i>[Signature]</i>	Date 2-22-21	Time 1350	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 2-22-21	Time 1700	Received by: (Signature) <i>[Signature]</i>	Date 2/23/21	Time 11:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5795 US Highway 54 Farmington, N.V. 37401  
24-hour Emergency Response Phone (800) 362-1379

Ph (505) 532-1361 Fax (505) 632-1665



**Envirotech Analytical Laboratory**

Printed: 2/23/2021 12:58:48PM

**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/23/21 11:30	Work Order ID:	E102073
Phone:	(505) 325-7535	Date Logged In:	02/22/21 17:02	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/01/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Comments/Resolution**

Mewbourne

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E102087

Job Number: 19026-0001

Received: 2/26/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/3/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/3/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E102087  
Date Received: 2/26/2021 9:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/26/2021 9:30:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-47 (-1')	6
CS-48 (-1')	7
CS-49 (-1')	8
CS-50 (-1')	9
CS-51 (-1')	10
CS-52 (-1')	11
CS-53 (-1')	12
CS-54 (-1')	13
CS-55 (-1')	14
CS-56 (-1')	15
CS-57 (-1')	16
CS-58 (-1')	17
CS-59 (-1')	18
CSW-6	19
CSW-7	20
CSW-8	21
CSW-9	22
CSW-10	23
QC Summary Data	24
QC - Volatile Organics by EPA 8021B	24

## Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO	25
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
QC - Anions by EPA 300.0/9056A	27
Definitions and Notes	28
Chain of Custody etc.	29

## Sample Summary

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25-24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
03/03/21 13:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-47 (-1')	E102087-01A	Soil	02/22/21	02/26/21	Glass Jar, 4 oz.
CS-48 (-1')	E102087-02A	Soil	02/22/21	02/26/21	Glass Jar, 4 oz.
CS-49 (-1')	E102087-03A	Soil	02/22/21	02/26/21	Glass Jar, 4 oz.
CS-50 (-1')	E102087-04A	Soil	02/22/21	02/26/21	Glass Jar, 4 oz.
CS-51 (-1')	E102087-05A	Soil	02/22/21	02/26/21	Glass Jar, 4 oz.
CS-52 (-1')	E102087-06A	Soil	02/22/21	02/26/21	Glass Jar, 4 oz.
CS-53 (-1')	E102087-07A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CS-54 (-1')	E102087-08A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CS-55 (-1')	E102087-09A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CS-56 (-1')	E102087-10A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CS-57 (-1')	E102087-11A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CS-58 (-1')	E102087-12A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CS-59 (-1')	E102087-13A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CSW-6	E102087-14A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CSW-7	E102087-15A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CSW-8	E102087-16A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CSW-9	E102087-17A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.
CSW-10	E102087-18A	Soil	02/23/21	02/26/21	Glass Jar, 4 oz.



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-47 (-1')**

**E102087-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	49.8	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>		95.7 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	49.8	20.0	1	03/02/21	03/02/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-48 (-1')**

**E102087-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>		98.2 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	ND	20.0	1	03/02/21	03/02/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-49 (-1')**

**E102087-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.9 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	36.9	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>						
		91.1 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	23.1	20.0	1	03/02/21	03/02/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-50 (-1')**

**E102087-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>						
		97.0 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	73.1	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CS-51 (-1')

## E102087-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	74.1	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	52.1	20.0	1	03/02/21	03/03/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-52 (-1')**

**E102087-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.7 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	89.2	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	43.5	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CS-53 (-1')

## E102087-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/02/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/02/21	
<i>Surrogate: n-Nonane</i>		98.0 %	50-200	03/02/21	03/02/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	64.4	20.0	1	03/02/21	03/03/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-54 (-1')**

**E102087-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	93.2	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	56.1	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	64.8	20.0	1	03/02/21	03/03/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-55 (-1')**

**E102087-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	73.3	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		90.4 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	38.3	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CS-56 (-1')

## E102087-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		98.3 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	21.7	20.0	1	03/02/21	03/03/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-57 (-1')**

**E102087-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.0 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.8 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>						
		95.8 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	135	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CS-58 (-1')

## E102087-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		103 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	39.4	20.0	1	03/02/21	03/03/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CS-59 (-1')**

**E102087-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.6 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	64.5	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>						
		99.5 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	30.6	20.0	1	03/02/21	03/03/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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**CSW-6**

**E102087-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.8 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	ND	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CSW-7

## E102087-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		95.9 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	ND	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CSW-8

## E102087-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.0 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	ND	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		101 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	ND	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CSW-9

## E102087-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	32.6	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		102 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	36.9	20.0	1	03/02/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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## CSW-10

## E102087-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Benzene	ND	0.0250	1	03/02/21	03/03/21	
Toluene	ND	0.0250	1	03/02/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/03/21	
o-Xylene	ND	0.0250	1	03/02/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110012
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/02/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110014
Diesel Range Organics (C10-C28)	116	25.0	1	03/02/21	03/03/21	
Oil Range Organics (C28-C35)	70.1	50.0	1	03/02/21	03/03/21	
<i>Surrogate: n-Nonane</i>		104 %	50-200	03/02/21	03/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110020
Chloride	50.8	20.0	1	03/02/21	03/03/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2110012-BLK1)

Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

#### LCS (2110012-BS1)

Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	4.09	0.0250	5.00		81.8	70-130			
Toluene	4.42	0.0250	5.00		88.3	70-130			
Ethylbenzene	4.33	0.0250	5.00		86.7	70-130			
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130			
o-Xylene	4.52	0.0250	5.00		90.5	70-130			
Total Xylenes	13.4	0.0250	15.0		89.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

#### Matrix Spike (2110012-MS1)

Source: E102087-01 Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	4.25	0.0250	5.00	ND	85.1	54-133			
Toluene	4.65	0.0250	5.00	ND	93.1	61-130			
Ethylbenzene	4.60	0.0250	5.00	ND	92.0	61-133			
p,m-Xylene	9.38	0.0500	10.0	ND	93.8	63-131			
o-Xylene	4.79	0.0250	5.00	ND	95.7	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

#### Matrix Spike Dup (2110012-MSD1)

Source: E102087-01 Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	4.33	0.0250	5.00	ND	86.6	54-133	1.85	20	
Toluene	4.71	0.0250	5.00	ND	94.1	61-130	1.14	20	
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	61-133	1.11	20	
p,m-Xylene	9.48	0.0500	10.0	ND	94.8	63-131	1.07	20	
o-Xylene	4.84	0.0250	5.00	ND	96.9	63-131	1.22	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.5	63-131	1.12	20	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2110012-BLK1)**

Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.03		8.00		100	70-130		

**LCS (2110012-BS2)**

Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130		

**Matrix Spike (2110012-MS2)**

Source: E102087-01 Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130		

**Matrix Spike Dup (2110012-MSD2)**

Source: E102087-01 Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130	3.81	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.03		8.00		100	70-130		



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110014-BLK1)**

Prepared: 03/02/21 Analyzed: 03/02/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.4		50.0		109	50-200			

**LCS (2110014-BS1)**

Prepared: 03/02/21 Analyzed: 03/02/21

Diesel Range Organics (C10-C28)	452	25.0	500		90.3	38-132			
Surrogate: <i>n</i> -Nonane	46.9		50.0		93.9	50-200			

**Matrix Spike (2110014-MS1)**

Source: E102087-07 Prepared: 03/02/21 Analyzed: 03/02/21

Diesel Range Organics (C10-C28)	427	25.0	500	ND	85.5	38-132			
Surrogate: <i>n</i> -Nonane	44.1		50.0		88.2	50-200			

**Matrix Spike Dup (2110014-MSD1)**

Source: E102087-07 Prepared: 03/02/21 Analyzed: 03/02/21

Diesel Range Organics (C10-C28)	429	25.0	500	ND	85.8	38-132	0.438	20	
Surrogate: <i>n</i> -Nonane	43.3		50.0		86.7	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/3/2021 1:57:55PM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110020-BLK1)**

Prepared: 03/02/21 Analyzed: 03/02/21

Chloride ND 20.0

**LCS (2110020-BS1)**

Prepared: 03/02/21 Analyzed: 03/02/21

Chloride 247 20.0 250 99.0 90-110

**Matrix Spike (2110020-MS1)**

Source: E102087-01 Prepared: 03/02/21 Analyzed: 03/02/21

Chloride 300 20.0 250 49.8 100 80-120

**Matrix Spike Dup (2110020-MSD1)**

Source: E102087-01 Prepared: 03/02/21 Analyzed: 03/02/21

Chloride 295 20.0 250 49.8 98.0 80-120 1.70 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 03/03/21 13:57
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only		5-Day	
Project: <u>Dolly Varden 25-24</u>	Attention: <u>SMA - Mewbourne</u>	TAT		EPA Program	
Project Manager: <u>Ashley Maxwell</u>	Address:	Lab WO#	Job Number	1D	3D
Address:	City, State, Zip	<u>PE102097</u>	<u>19026-0001</u>		
City, State, Zip	Phone:	Analysis and Method		RCRA	CWA
Phone:	Email:	<u>Am 2/26/21</u>			SDWA
Email: <u>Ashley/Nate</u>				State	
Report due by:				NM	CO
				TX	OK
				UT	AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	2/22	S	1	CS-47 (-1')	1							X		
	2/22			CS-48 (-1')	2									
	2/22			CS-49 (-1')	3									
	2/22			CS-50 (-1')	4									
	2/22			CS-51 (-1')	5									
	2/22			CS-52 (-1')	6									
	2/23			CS-53 (-1')	7									
	2/23			CS-54 (-1')	8									
	2/23			CS-55 (-1')	9									
	2/23			CS-56 (-1')	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Nate Gunn</u>	Date <u>2/24</u>	Time <u>1:40</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-24-21</u>	Time <u>1340</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-24-21</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/26/21</u>	Time <u>9:30</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: SMA- Carlsbad  
 Project: Dolly Varden 25-24  
 Project Manager: Ashley Maxwell  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Ashley  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: SMA- Mewbourne  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only  
 Lab WO# PE 12087190260001  
 Job Number AM 2/24/21  
 Analysis and Method \_\_\_\_\_

TAT  
 1D 3D  
 5-Day

EPA Program  
 RCRA CWA SDWA  
 State \_\_\_\_\_

NM CO UT AZ  
     
 TX OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	2/23	S	1	CS-57 (-1')	11							X		
			1	CS-58 (-1')	12									
				CS-59 (-1')	13									
				CSW-6	14									
				CSW-7	15									
				CSW-8	16									
				CSW-9	17									
				CSW-10	18									
					1									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Not on</u>	Date 2/24	Time 1:40	Received by: (Signature) <u>[Signature]</u>	Date 2-24-21	Time 1:340	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date 2-24-21	Time 1700	Received by: (Signature) <u>[Signature]</u>	Date 2/24/21	Time 9:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 2/26/2021 4:25:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Souder Miller Associates - Carlsbad Date Received: 02/26/21 09:30 Work Order ID: E102087
Phone: (505) 325-7535 Date Logged In: 02/26/21 16:16 Logged In By: Alexa Michaels
Email: ashley.maxwell@soudermiller.com Due Date: 03/03/21 17:00 (3 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E103002

Job Number: 19026-0001

Received: 2/27/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/5/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/5/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E103002  
Date Received: 2/27/2021 11:45:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/27/2021 11:45:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CSW-11	5
CSW-12	6
CSW-13	7
CSW-14	8
CSW-15	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

### Sample Summary

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 03/05/21 15:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW-11	E103002-01A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CSW-12	E103002-02A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CSW-13	E103002-03A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CSW-14	E103002-04A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CSW-15	E103002-05A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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## CSW-11

## E103002-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110032
Diesel Range Organics (C10-C28)	45.0	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		98.8 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110027
Chloride	ND	20.0	1	03/03/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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## CSW-12

## E103002-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110032
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		97.1 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110027
Chloride	41.4	20.0	1	03/03/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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## CSW-13

## E103002-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110032
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		97.0 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110027
Chloride	36.3	20.0	1	03/03/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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## CSW-14

## E103002-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110032
Diesel Range Organics (C10-C28)	48.3	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		87.8 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110027
Chloride	52.4	20.0	1	03/03/21	03/03/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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## CSW-15

## E103002-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Benzene	ND	0.0250	1	03/02/21	03/02/21	
Toluene	ND	0.0250	1	03/02/21	03/02/21	
Ethylbenzene	ND	0.0250	1	03/02/21	03/02/21	
p,m-Xylene	ND	0.0500	1	03/02/21	03/02/21	
o-Xylene	ND	0.0250	1	03/02/21	03/02/21	
Total Xylenes	ND	0.0250	1	03/02/21	03/02/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110018
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	03/02/21	03/02/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110032
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		92.5 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110027
Chloride	ND	20.0	1	03/03/21	03/03/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2110018-BLK1)

Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			

#### LCS (2110018-BS1)

Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	4.39	0.0250	5.00		87.8	70-130			
Toluene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
o-Xylene	4.84	0.0250	5.00		96.7	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.34		8.00		104	70-130			

#### Matrix Spike (2110018-MS1)

Source: E103002-01 Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	4.45	0.0250	5.00	ND	88.9	54-133			
Toluene	4.79	0.0250	5.00	ND	95.8	61-130			
Ethylbenzene	4.79	0.0250	5.00	ND	95.7	61-133			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			

#### Matrix Spike Dup (2110018-MSD1)

Source: E103002-01 Prepared: 03/02/21 Analyzed: 03/02/21

Benzene	4.45	0.0250	5.00	ND	89.0	54-133	0.0337	20	
Toluene	4.80	0.0250	5.00	ND	96.1	61-130	0.330	20	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	61-133	0.316	20	
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	0.311	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	0.462	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131	0.362	20	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110018-BLK1)**

Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

**LCS (2110018-BS2)**

Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			

**Matrix Spike (2110018-MS2)**

Source: E103002-01 Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			

**Matrix Spike Dup (2110018-MSD2)**

Source: E103002-01 Prepared: 03/02/21 Analyzed: 03/02/21

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	5.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110032-BLK1)**

Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	44.2		50.0		88.5	50-200			

**LCS (2110032-BS1)**

Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	474	25.0	500		94.8	38-132			
Surrogate: <i>n</i> -Nonane	44.6		50.0		89.3	50-200			

**Matrix Spike (2110032-MS1)**

Source: E103008-05 Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.4	38-132			
Surrogate: <i>n</i> -Nonane	47.0		50.0		93.9	50-200			

**Matrix Spike Dup (2110032-MSD1)**

Source: E103008-05 Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.3	38-132	0.986	20	
Surrogate: <i>n</i> -Nonane	43.9		50.0		87.8	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:28:13PM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110027-BLK1)**

Prepared: 03/03/21 Analyzed: 03/03/21

Chloride ND 20.0

**LCS (2110027-BS1)**

Prepared: 03/03/21 Analyzed: 03/03/21

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2110027-MS1)**

Source: E103002-01 Prepared: 03/03/21 Analyzed: 03/03/21

Chloride 262 20.0 250 ND 105 80-120

**Matrix Spike Dup (2110027-MSD1)**

Source: E103002-01 Prepared: 03/03/21 Analyzed: 03/03/21

Chloride 266 20.0 250 ND 106 80-120 1.50 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 03/05/21 15:28
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only		TAT		EPA Program					
Project: <u>Dolly Varden 25-24</u>	Attention: <u>SMA - Mewbourne</u>	Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA			
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE 103002</u>	<u>190260001</u>	Analysis and Method				State			
Address:	City, State, Zip							NM	CO	UT	AZ
City, State, Zip	Phone:							<input checked="" type="checkbox"/>			
Phone:	Email:							TX	OK		
Email: <u>Ashley / Nate</u>								Remarks			
Report due by:											

5-Day

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	2/24	S	1	CSW-11	1									
	2/24			CSW-12	2									
	2/24			CSW-13	3									
	2/25			CSW-14	4									
	2/25			CSW-15	5									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Nate Cum</u>	Date <u>2/26</u>	Time <u>1:30</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-26-21</u>	Time <u>1330</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-26-21</u>	Time <u>1625</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/27/21</u>	Time <u>11:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

**Envirotech Analytical Laboratory**

Printed: 3/1/2021 11:09:54AM

**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/27/21 11:45	Work Order ID:	E103002
Phone:	(505) 325-7535	Date Logged In:	03/01/21 11:07	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/05/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

\_\_\_\_\_  
Signature of client authorizing changes to the COC or sample disposition.

\_\_\_\_\_  
Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E103003

Job Number: 19026-0001

Received: 2/27/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/5/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/5/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E103003  
Date Received: 2/27/2021 11:45:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/27/2021 11:45:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-60 (-1')	6
CS-61 (-1')	7
CS-62 (-1')	8
CS-63 (-1')	9
CS-64 (-1')	10
CS-65 (-1')	11
CS-66 (-1')	12
CS-67 (-1')	13
CS-68 (-1')	14
CS-69 (-1')	15
CS-70 (-1')	16
CS-71 (-1')	17
CS-72 (-1')	18
CS-73 (-1')	19
CS-74 (-1')	20
CS-75 (-1')	21
QC Summary Data	22
QC - Volatile Organics by EPA 8021B	22
QC - Nonhalogenated Organics by EPA 8015D - GRO	23
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	24

## Table of Contents (continued)

QC - Anions by EPA 300.0/9056A	25
Definitions and Notes	26
Chain of Custody etc.	27

## Sample Summary

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25-24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
03/05/21 15:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-60 (-1')	E103003-01A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-61 (-1')	E103003-02A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-62 (-1')	E103003-03A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-63 (-1')	E103003-04A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-64 (-1')	E103003-05A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-65 (-1')	E103003-06A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-66 (-1')	E103003-07A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-67 (-1')	E103003-08A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-68 (-1')	E103003-09A	Soil	02/24/21	02/27/21	Glass Jar, 4 oz.
CS-69 (-1')	E103003-10A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CS-70 (-1')	E103003-11A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CS-71 (-1')	E103003-12A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CS-72 (-1')	E103003-13A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CS-73 (-1')	E103003-14A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CS-74 (-1')	E103003-15A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.
CS-75 (-1')	E103003-16A	Soil	02/25/21	02/27/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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### CS-60 (-1')

#### E103003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/03/21	
Toluene	ND	0.0250	1	03/03/21	03/03/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/03/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/03/21	
o-Xylene	ND	0.0250	1	03/03/21	03/03/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/03/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/03/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/03/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	03/03/21	03/03/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	32.2	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	35.4	20.0	1	03/03/21	03/04/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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## CS-61 (-1')

## E103003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	28.8	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>		95.6 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	57.5	20.0	1	03/03/21	03/04/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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## CS-62 (-1')

## E103003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>		91.4 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	136	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-63 (-1')**

**E103003-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.5 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	58.3	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-64 (-1')**

**E103003-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.5 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	34.0	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-65 (-1')**

**E103003-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>		103 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	ND	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-66 (-1')**

**E103003-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	34.3	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	54.7	20.0	1	03/03/21	03/04/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
--	---	--

## CS-67 (-1')

## E103003-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	44.3	25.0	1	03/04/21	03/04/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/04/21	
<i>Surrogate: n-Nonane</i>		101 %	50-200	03/04/21	03/04/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	63.7	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-68 (-1')**

**E103003-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	51.0	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-69 (-1')**

**E103003-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		109 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	38.6	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-70 (-1')**

**E103003-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.7 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	62.1	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-71 (-1')**

**E103003-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		98.6 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	66.4	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-72 (-1')**

**E103003-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	47.0	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		106 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	107	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-73 (-1')**

**E103003-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	44.1	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		104 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	111	20.0	1	03/03/21	03/04/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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**CS-74 (-1')**

**E103003-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	62.9	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	134	20.0	1	03/03/21	03/04/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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## CS-75 (-1')

## E103003-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Benzene	ND	0.0250	1	03/03/21	03/04/21	
Toluene	ND	0.0250	1	03/03/21	03/04/21	
Ethylbenzene	ND	0.0250	1	03/03/21	03/04/21	
p,m-Xylene	ND	0.0500	1	03/03/21	03/04/21	
o-Xylene	ND	0.0250	1	03/03/21	03/04/21	
Total Xylenes	ND	0.0250	1	03/03/21	03/04/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2110026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/21	03/04/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	03/03/21	03/04/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2110031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/21	03/05/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/04/21	03/05/21	
<i>Surrogate: n-Nonane</i>		107 %	50-200	03/04/21	03/05/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110028
Chloride	90.4	20.0	1	03/03/21	03/04/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2110026-BLK1)

Prepared: 03/03/21 Analyzed: 03/03/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			

#### LCS (2110026-BS1)

Prepared: 03/03/21 Analyzed: 03/03/21

Benzene	4.92	0.0250	5.00		98.3	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.7	70-130			
p,m-Xylene	9.87	0.0500	10.0		98.7	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

#### Matrix Spike (2110026-MS1)

Source: E103003-01 Prepared: 03/03/21 Analyzed: 03/03/21

Benzene	4.71	0.0250	5.00	ND	94.2	54-133			
Toluene	4.83	0.0250	5.00	ND	96.6	61-130			
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133			
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131			
o-Xylene	4.82	0.0250	5.00	ND	96.5	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

#### Matrix Spike Dup (2110026-MSD1)

Source: E103003-01 Prepared: 03/03/21 Analyzed: 03/03/21

Benzene	5.15	0.0250	5.00	ND	103	54-133	8.89	20	
Toluene	5.25	0.0250	5.00	ND	105	61-130	8.35	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	8.40	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	8.13	20	
o-Xylene	5.22	0.0250	5.00	ND	104	63-131	7.86	20	
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131	8.04	20	
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2110026-BLK1)**

Prepared: 03/03/21 Analyzed: 03/03/21

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130		

**LCS (2110026-BS2)**

Prepared: 03/03/21 Analyzed: 03/03/21

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130		

**Matrix Spike (2110026-MS2)**

Source: E103003-01 Prepared: 03/03/21 Analyzed: 03/03/21

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130		

**Matrix Spike Dup (2110026-MSD2)**

Source: E103003-01 Prepared: 03/03/21 Analyzed: 03/04/21

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130	0.333	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130		



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110031-BLK1)**

Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.8		50.0		106	50-200			

**LCS (2110031-BS1)**

Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	435	25.0	500		86.9	38-132			
Surrogate: <i>n</i> -Nonane	49.8		50.0		99.7	50-200			

**Matrix Spike (2110031-MS1)**

Source: E103003-07 Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	470	25.0	500	34.3	87.1	38-132			
Surrogate: <i>n</i> -Nonane	50.8		50.0		102	50-200			

**Matrix Spike Dup (2110031-MSD1)**

Source: E103003-07 Prepared: 03/04/21 Analyzed: 03/04/21

Diesel Range Organics (C10-C28)	457	25.0	500	34.3	84.5	38-132	2.87	20	
Surrogate: <i>n</i> -Nonane	49.8		50.0		99.6	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/5/2021 3:32:19PM
--	---	--

#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110028-BLK1)**

Prepared: 03/03/21 Analyzed: 03/04/21

Chloride ND 20.0

**LCS (2110028-BS1)**

Prepared: 03/03/21 Analyzed: 03/04/21

Chloride 250 20.0 250 99.9 90-110

**Matrix Spike (2110028-MS1)**

**Source: E103003-01** Prepared: 03/03/21 Analyzed: 03/04/21

Chloride 282 20.0 250 35.4 98.7 80-120

**Matrix Spike Dup (2110028-MSD1)**

**Source: E103003-01** Prepared: 03/03/21 Analyzed: 03/04/21

Chloride 287 20.0 250 35.4 101 80-120 1.70 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 03/05/21 15:32
--	---	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: SMA - Carlsbad  
 Project: Dolly Varden 25-24  
 Project Manager: Ashley Maxwell  
 Address:  
 City, State, Zip  
 Phone:  
 Email: Ashley / Nate  
 Report due by:

Bill To  
 Attention: SMA - Newbourne  
 Address:  
 City, State, Zip  
 Phone:  
 Email:

5-Day  
 Lab Use Only  
 Lab WO# PE103003190260001  
 Job Number  
 TAT  
 EPA Program  
 RCRA CWA SDWA

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Analysis and Method										State				Remarks
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ			
	2/24	S	1	CS-60 (-1')	1											X				
				CS-61 (-1')	2															
				CS-62 (-1')	3															
				CS-63 (-1')	4															
				CS-64 (-1')	5															
				CS-65 (-1')	6															
				CS-66 (-1')	7															
				CS-67 (-1')	8															
				CS-68 (-1')	9															
					10															

Additional Instructions: AM 3/1/21

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Nate</u>	Date <u>2/26</u>	Time <u>1:30</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2.26.21</u>	Time <u>1330</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2.26.21</u>	Time <u>1625</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/27/21</u>	Time <u>11:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: SMA- Carlsbad  
 Project: Dolly Varden 25-24  
 Project Manager: Ashley Maxwell  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Ashley/Nate  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: SMA-Meunbourg  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only 5-Day  
 TAT  
 EPA Program  
 Lab WO# PE Job Number 19026-0001  
 1D 3D RCRA CWA SDWA

Analysis and Method  
 State  
 NM CO UT AZ  
 TX OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	<u>2/25</u>	<u>S</u>	<u>1</u>	<u>CS-69 (-1')</u>	<u>10</u>							<u>X</u>		
				<u>CS-70 (-1')</u>	<u>11</u>									
				<u>CS-71 (-1')</u>	<u>12</u>									
				<u>CS-72 (-1')</u>	<u>13</u>									
				<u>CS-73 (-1')</u>	<u>14</u>									
				<u>CS-74 (-1')</u>	<u>15</u>									
				<u>CS-75 (-1')</u>	<u>16</u>									

Am 3/1/21

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Nate</u>	Date <u>2/26</u>	Time <u>1:30</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2-26-21</u>	Time <u>1330</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2-26-21</u>	Time <u>1625</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>2/27/21</u>	Time <u>11:45</u>
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____

Lab Use Only  
 Received on ice:  Y  N

T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5799 US Highway 54 Farmington, NY 37401  
 24 Hour Emergency Response Phone 1800-382-1373

Ph: 603-332-1861 Fax: 603-632-1665

envirotech-inc.com  
 labadmin@envirotech-inc.com

**Envirotech Analytical Laboratory**

Printed: 3/1/2021 11:19:03AM

**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	02/27/21 11:45	Work Order ID:	E103003
Phone:	(505) 325-7535	Date Logged In:	03/01/21 11:12	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/05/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E103012

Job Number: 19026-0001

Received: 3/3/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/9/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/9/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E103012  
Date Received: 3/3/2021 11:00:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2021 11:00:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-76 (-1)	6
CS-77 (-1)	7
CS-78 (-1)	8
CS-79 (-1)	9
CS-80 (-1)	10
CS-81 (-1)	11
CS-82 (-1)	12
CS-83 (-1)	13
CS-84 (-1)	14
CS-85 (-1)	15
CS-86 (-1)	16
CSW-16	17
CSW-17	18
CSW-18	19
CSW-19	20
CSW-20	21
CSW-21	22
CSW-22	23
CSW-23	24
CSW25	25

## Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

**Sample Summary**

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25-24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
03/09/21 13:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-76 (-1)	E103012-01A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-77 (-1)	E103012-02A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-78 (-1)	E103012-03A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-79 (-1)	E103012-04A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-80 (-1)	E103012-05A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-81 (-1)	E103012-06A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-82 (-1)	E103012-07A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-83 (-1)	E103012-08A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-84 (-1)	E103012-09A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-85 (-1)	E103012-10A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CS-86 (-1)	E103012-11A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-16	E103012-12A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-17	E103012-13A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-18	E103012-14A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-19	E103012-15A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-20	E103012-16A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-21	E103012-17A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-22	E103012-18A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW-23	E103012-19A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.
CSW25	E103012-20A	Soil	03/03/21	03/03/21	Glass Jar, 4 oz.



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
--	---	--

**CS-76 (-1)**

**E103012-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY	Batch: 2110034	
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY	Batch: 2110034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL	Batch: 2111008	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		104 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: IY	Batch: 2110036	
Chloride	703	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
--	---	--

**CS-77 (-1)**

**E103012-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	56.5	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	11000	100	5	03/04/21	03/05/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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## CS-78 (-1)

## E103012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		108 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	14400	100	5	03/04/21	03/05/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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## CS-79 (-1)

## E103012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		106 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	6990	100	5	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-80 (-1)**

**E103012-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	154	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	82.3	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		108 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	764	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-81 (-1)**

**E103012-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	207	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	117	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		113 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	619	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-82 (-1)**

**E103012-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	35.6	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		103 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	108	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-83 (-1)**

**E103012-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	65.2	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		106 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	166	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-84 (-1)**

**E103012-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	128	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	86.0	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	416	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-85 (-1)**

**E103012-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	77.2	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		93.8 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	243	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CS-86 (-1)**

**E103012-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	75.6	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		107 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	86.3	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CSW-16**  
**E103012-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>						
		96.4 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	60.3	20.0	1	03/04/21	03/05/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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## CSW-17

## E103012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/05/21	
Toluene	ND	0.0250	1	03/04/21	03/05/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/05/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/05/21	
o-Xylene	ND	0.0250	1	03/04/21	03/05/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/05/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/05/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	03/04/21	03/05/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		110 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	166	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CSW-18**  
**E103012-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		101 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	120	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CSW-19**  
**E103012-15**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		111 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	69.3	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CSW-20**

**E103012-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		115 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	21.1	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CSW-21**  
**E103012-17**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		109 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	32.1	20.0	1	03/04/21	03/05/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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**CSW-22**  
**E103012-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	200	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	85.1	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		102 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	185	20.0	1	03/04/21	03/05/21	

## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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## CSW-23

## E103012-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		112 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	55.0	20.0	1	03/04/21	03/05/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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## CSW25

## E103012-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Benzene	ND	0.0250	1	03/04/21	03/06/21	
Toluene	ND	0.0250	1	03/04/21	03/06/21	
Ethylbenzene	ND	0.0250	1	03/04/21	03/06/21	
p,m-Xylene	ND	0.0500	1	03/04/21	03/06/21	
o-Xylene	ND	0.0250	1	03/04/21	03/06/21	
Total Xylenes	ND	0.0250	1	03/04/21	03/06/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/21	03/06/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		111 %	70-130	03/04/21	03/06/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/08/21	03/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/08/21	03/09/21	
<i>Surrogate: n-Nonane</i>		109 %	50-200	03/08/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110036
Chloride	ND	20.0	1	03/04/21	03/05/21	



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2110034-BLK1)

Prepared: 03/04/21 Analyzed: 03/05/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100		70-130		

#### LCS (2110034-BS1)

Prepared: 03/04/21 Analyzed: 03/05/21

Benzene	5.16	0.0250	5.00		103		70-130		
Toluene	5.26	0.0250	5.00		105		70-130		
Ethylbenzene	5.08	0.0250	5.00		102		70-130		
p,m-Xylene	10.3	0.0500	10.0		103		70-130		
o-Xylene	5.22	0.0250	5.00		104		70-130		
Total Xylenes	15.5	0.0250	15.0		103		70-130		
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101		70-130		

#### Matrix Spike (2110034-MS1)

Source: E103012-01 Prepared: 03/04/21 Analyzed: 03/05/21

Benzene	5.22	0.0250	5.00	ND	104		54-133		
Toluene	5.32	0.0250	5.00	ND	106		61-130		
Ethylbenzene	5.15	0.0250	5.00	ND	103		61-133		
p,m-Xylene	10.4	0.0500	10.0	ND	104		63-131		
o-Xylene	5.24	0.0250	5.00	ND	105		63-131		
Total Xylenes	15.6	0.0250	15.0	ND	104		63-131		
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102		70-130		

#### Matrix Spike Dup (2110034-MSD1)

Source: E103012-01 Prepared: 03/04/21 Analyzed: 03/05/21

Benzene	5.17	0.0250	5.00	ND	103		54-133	0.967	20
Toluene	5.25	0.0250	5.00	ND	105		61-130	1.19	20
Ethylbenzene	5.07	0.0250	5.00	ND	101		61-133	1.59	20
p,m-Xylene	10.2	0.0500	10.0	ND	102		63-131	1.35	20
o-Xylene	5.20	0.0250	5.00	ND	104		63-131	0.745	20
Total Xylenes	15.4	0.0250	15.0	ND	103		63-131	1.15	20
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102		70-130		



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110034-BLK1)**

Prepared: 03/04/21 Analyzed: 03/05/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			

**LCS (2110034-BS2)**

Prepared: 03/04/21 Analyzed: 03/05/21

Gasoline Range Organics (C6-C10)	58.1	20.0	50.0		116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.68		8.00		108	70-130			

**Matrix Spike (2110034-MS2)**

Source: E103012-01 Prepared: 03/04/21 Analyzed: 03/05/21

Gasoline Range Organics (C6-C10)	60.2	20.0	50.0	ND	120	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.72		8.00		109	70-130			

**Matrix Spike Dup (2110034-MSD2)**

Source: E103012-01 Prepared: 03/04/21 Analyzed: 03/05/21

Gasoline Range Organics (C6-C10)	60.5	20.0	50.0	ND	121	70-130	0.472	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.78		8.00		110	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111008-BLK1)**

Prepared: 03/08/21 Analyzed: 03/08/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	50-200			

**LCS (2111008-BS1)**

Prepared: 03/08/21 Analyzed: 03/08/21

Diesel Range Organics (C10-C28)	493	25.0	500		98.7	38-132			
Surrogate: <i>n</i> -Nonane	51.3		50.0		103	50-200			

**Matrix Spike (2111008-MS1)**

Source: E103012-12 Prepared: 03/08/21 Analyzed: 03/08/21

Diesel Range Organics (C10-C28)	498	25.0	500	ND	99.6	38-132			
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	50-200			

**Matrix Spike Dup (2111008-MSD1)**

Source: E103012-12 Prepared: 03/08/21 Analyzed: 03/08/21

Diesel Range Organics (C10-C28)	475	25.0	500	ND	95.0	38-132	4.72	20	
Surrogate: <i>n</i> -Nonane	51.4		50.0		103	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/9/2021 1:33:51PM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110036-BLK1)**

Prepared: 03/04/21 Analyzed: 03/05/21

Chloride ND 20.0

**LCS (2110036-BS1)**

Prepared: 03/04/21 Analyzed: 03/05/21

Chloride 252 20.0 250 101 90-110

**Matrix Spike (2110036-MS1)**

Source: E103012-01 Prepared: 03/04/21 Analyzed: 03/05/21

Chloride 970 20.0 250 703 107 80-120

**Matrix Spike Dup (2110036-MSD1)**

Source: E103012-01 Prepared: 03/04/21 Analyzed: 03/05/21

Chloride 900 20.0 250 703 78.9 80-120 7.45 20 M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/09/21 13:33

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only		TAT		EPA Program		
Project: <u>Dolly Varden 25-24</u>	Attention: <u>SMA - Mewbourne</u>	Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE103012</u>	<u>190200001</u>					
Address:	City, State, Zip	<u>AM 3/21</u>	Analysis and Method		State			
City, State, Zip	Phone:							
Phone:	Email:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride-300.0	BGDOC - NM
Email: <u>Ashley</u>	Report due by:							BGDOC - TX
								NM
								CO
								UT
								AZ
								TX
								OK
								Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride-300.0	BGDOC - NM	BGDOC - TX	Remarks
	3/1	S	1	CS-76 (-1')	1							X		
	3/1			CS-77 (-1')	2									
	3/1			CS-78 (-1')	3									
	3/1			CS-79 (-1')	4									
	2/26			CS-80 (-1')	5									
	2/26			CS-81 (-1')	6									
	2/26			CS-82 (-1')	7									
	2/26			CS-83 (-1')	8									
	3/1			CS-84 (-1')	9									
	3/1			CS-85 (-1')	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Nita Ann</u>	Date <u>3/2/21</u>	Time <u>1:55pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3.2.21</u>	Time <u>1355</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3.2.21</u>	Time <u>1050</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/3/21</u>	Time <u>11:00</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3.2.21</u>	Time <u>1050</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/3/21</u>	Time <u>11:00</u>	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5795 J.B Highway 64 Farmingdale, NY 11740  
24-hour Emergency Response Phone (800) 982-1878

Ph: (516) 562-1861 Fax: (516) 562-1665



Client: SMA - Carlsbad  
 Project: Dolly Varden 25-24  
 Project Manager: Ashley Maxwell  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Ashley  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: SMA - Mewbourne  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only  
 Lab WO# PE103012 Job Number 190260001  
 TAT  
 1D 3D RCRA CWA SDWA  
PM 3/3/21 Analysis and Method State

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	<u>3/1</u>	<u>S</u>	<u>1</u>	<u>CS-86 (-1')</u>	<u>11</u>							<u>X</u>		
				<u>CSW-16</u>	<u>12</u>									
				<u>CSW-17</u>	<u>13</u>									
				<u>CSW-18</u>	<u>14</u>									
				<u>CSW-19</u>	<u>15</u>									
				<u>CSW-20</u>	<u>16</u>									
				<u>CSW-21</u>	<u>17</u>									
				<u>CSW-22</u>	<u>18</u>									
				<u>CSW-23</u>	<u>19</u>									
				<u>CSW-25</u>	<u>20</u>									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Nick Carr</u>	Date <u>3/2/21</u>	Time <u>1:55pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-2-21</u>	Time <u>1355</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-2-21</u>	Time <u>1650</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/3/21</u>	Time <u>11:00</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5795 US Highway 84 Farmington, NV 87401  
 24-hour Emergency Response Phone: 800-552-1373

Ph: 505-352-1361 Fax: 505-632-1555



Envirotech Analytical Laboratory

Printed: 3/3/2021 2:52:45PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/03/21 11:00	Work Order ID:	E103012
Phone:	(505) 325-7535	Date Logged In:	03/03/21 14:38	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/09/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E103020

Job Number: 19026-0001

Received: 3/5/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/11/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/11/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E103020  
Date Received: 3/5/2021 11:15:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/5/2021 11:15:00AM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Office: 505-632-1881  
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**Alexa Michaels**  
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Office: 505-632-1881  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CSW-24	6
CSW-26	7
CSW-27	8
CSW-28	9
CSW-29	10
CSW-30	11
CSW-31	12
CSW-32	13
CSW-33	14
CSW-34	15
CSW-35	16
CSW-36	17
CSW-37	18
CSW-38	19
CSW-39	20
CSW-40	21
CSW-41	22
CSW-42	23
CSW-43	24
CSW-44	25

## Table of Contents (continued)

CSW-45	26
QC Summary Data	27
QC - Volatile Organics by EPA 8021B	27
QC - Nonhalogenated Organics by EPA 8015D - GRO	29
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	31
QC - Anions by EPA 300.0/9056A	33
Definitions and Notes	35
Chain of Custody etc.	36

**Sample Summary**

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25-24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
03/11/21 16:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW-24	E103020-01A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-26	E103020-02A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-27	E103020-03A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-28	E103020-04A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-29	E103020-05A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-30	E103020-06A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-31	E103020-07A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-32	E103020-08A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-33	E103020-09A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-34	E103020-10A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-35	E103020-11A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-36	E103020-12A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-37	E103020-13A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-38	E103020-14A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-39	E103020-15A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-40	E103020-16A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-41	E103020-17A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-42	E103020-18A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-43	E103020-19A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-44	E103020-20A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.
CSW-45	E103020-21A	Soil	03/02/21	03/05/21	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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### CSW-24

### E103020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/09/21	
Toluene	ND	0.0250	1	03/09/21	03/09/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/09/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/09/21	
o-Xylene	ND	0.0250	1	03/09/21	03/09/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/09/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	03/09/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	<b>30.9</b>	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	<b>51.0</b>	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	03/09/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	<b>59.0</b>	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-26**  
**E103020-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/09/21	
Toluene	ND	0.0250	1	03/09/21	03/09/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/09/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/09/21	
o-Xylene	ND	0.0250	1	03/09/21	03/09/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/09/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.0 %	70-130	03/09/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	53.4	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	82.7	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	03/09/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	4890	40.0	2	03/08/21	03/09/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-27

## E103020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/09/21	
Toluene	<b>0.131</b>	0.0250	1	03/09/21	03/09/21	
Ethylbenzene	<b>0.603</b>	0.0250	1	03/09/21	03/09/21	
p,m-Xylene	<b>1.30</b>	0.0500	1	03/09/21	03/09/21	
o-Xylene	<b>0.564</b>	0.0250	1	03/09/21	03/09/21	
Total Xylenes	<b>1.86</b>	0.0250	1	03/09/21	03/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	03/09/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	<b>34.0</b>	20.0	1	03/09/21	03/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	03/09/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	<b>797</b>	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	<b>265</b>	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>		117 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	<b>2170</b>	40.0	2	03/08/21	03/09/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-28

## E103020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	458	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	191	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	339	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-29**  
**E103020-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.1 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	954	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	398	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	3910	40.0	2	03/08/21	03/09/21	

### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-30**  
**E103020-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	123	20.0	1	03/08/21	03/09/21	

## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-31

## E103020-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.250	10	03/09/21	03/10/21	
Toluene	9.43	0.250	10	03/09/21	03/10/21	
Ethylbenzene	19.1	0.250	10	03/09/21	03/10/21	
p,m-Xylene	35.0	0.500	10	03/09/21	03/10/21	
o-Xylene	15.5	0.250	10	03/09/21	03/10/21	
Total Xylenes	50.5	0.250	10	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	470	200	10	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	14100	2500	100	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	6740	5000	100	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		372 %	50-200	03/09/21	03/11/21	S3
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	1290	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-32**  
**E103020-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	53.3	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	25.9	20.0	1	03/08/21	03/09/21	

### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-33**  
**E103020-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>		105 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	ND	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-34**  
**E103020-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>		105 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	20.1	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-35**  
**E103020-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	72.2	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-36**  
**E103020-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.0 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	ND	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-37**

**E103020-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.9 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>		102 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	56.2	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-38**

**E103020-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	<b>209</b>	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	<b>104</b>	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	03/09/21	03/10/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	<b>27.8</b>	20.0	1	03/08/21	03/09/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-39

## E103020-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	1.25	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	6.87	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	14.1	0.0500	1	03/09/21	03/10/21	
o-Xylene	6.35	0.0250	1	03/09/21	03/10/21	
Total Xylenes	20.4	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		128 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	225	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	6670	250	10	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	1860	500	10	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		212 %	50-200	03/09/21	03/11/21	S3
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	75.1	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-40**  
**E103020-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	0.0352	0.0250	1	03/09/21	03/10/21	
Toluene	5.03	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	10.1	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	15.0	0.0500	1	03/09/21	03/10/21	
o-Xylene	9.03	0.0250	1	03/09/21	03/10/21	
Total Xylenes	24.0	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		124 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	246	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		117 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	7080	500	20	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	2360	1000	20	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>						
		230 %	50-200	03/09/21	03/11/21	S3
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	1880	20.0	1	03/08/21	03/09/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-41

## E103020-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.3 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		106 %	50-200	03/09/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	76.6	20.0	1	03/08/21	03/09/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-42

## E103020-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.2 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	27.1	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		107 %	50-200	03/09/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	28.9	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-43**  
**E103020-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	ND	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		109 %	50-200	03/09/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	54.2	20.0	1	03/08/21	03/09/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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## CSW-44

## E103020-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/10/21	
Toluene	ND	0.0250	1	03/09/21	03/10/21	
Ethylbenzene	ND	0.0250	1	03/09/21	03/10/21	
p,m-Xylene	ND	0.0500	1	03/09/21	03/10/21	
o-Xylene	ND	0.0250	1	03/09/21	03/10/21	
Total Xylenes	ND	0.0250	1	03/09/21	03/10/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/10/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	03/09/21	03/10/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	54.3	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	50.3	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		106 %	50-200	03/09/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	207	20.0	1	03/08/21	03/09/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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**CSW-45**  
**E103020-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110050
Benzene	ND	0.0250	1	03/05/21	03/09/21	
Toluene	ND	0.0250	1	03/05/21	03/09/21	
Ethylbenzene	ND	0.0250	1	03/05/21	03/09/21	
p,m-Xylene	ND	0.0500	1	03/05/21	03/09/21	
o-Xylene	ND	0.0250	1	03/05/21	03/09/21	
Total Xylenes	ND	0.0250	1	03/05/21	03/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/05/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110050
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/21	03/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/05/21	03/09/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2111022
Diesel Range Organics (C10-C28)	126	25.0	1	03/09/21	03/09/21	
Oil Range Organics (C28-C35)	74.1	50.0	1	03/09/21	03/09/21	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/09/21	03/09/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2110042
Chloride	121	20.0	1	03/05/21	03/06/21	

### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2110050-BLK1)

Prepared: 03/05/21 Analyzed: 03/09/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4		70-130		

#### LCS (2110050-BS1)

Prepared: 03/05/21 Analyzed: 03/10/21

Benzene	4.78	0.0250	5.00		95.6		70-130		
Toluene	4.83	0.0250	5.00		96.5		70-130		
Ethylbenzene	4.72	0.0250	5.00		94.3		70-130		
p,m-Xylene	9.51	0.0500	10.0		95.1		70-130		
o-Xylene	4.81	0.0250	5.00		96.2		70-130		
Total Xylenes	14.3	0.0250	15.0		95.5		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3		70-130		

#### Matrix Spike (2110050-MS1)

Source: E103019-02 Prepared: 03/05/21 Analyzed: 03/10/21

Benzene	5.26	0.0250	5.00	ND	105		54-133		
Toluene	5.35	0.0250	5.00	ND	107		61-130		
Ethylbenzene	5.19	0.0250	5.00	ND	104		61-133		
p,m-Xylene	10.5	0.0500	10.0	ND	105		63-131		
o-Xylene	5.32	0.0250	5.00	ND	106		63-131		
Total Xylenes	15.8	0.0250	15.0	ND	105		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6		70-130		

#### Matrix Spike Dup (2110050-MSD1)

Source: E103019-02 Prepared: 03/05/21 Analyzed: 03/10/21

Benzene	4.83	0.0250	5.00	ND	96.7		54-133	8.36	20
Toluene	4.91	0.0250	5.00	ND	98.1		61-130	8.70	20
Ethylbenzene	4.77	0.0250	5.00	ND	95.4		61-133	8.38	20
p,m-Xylene	9.61	0.0500	10.0	ND	96.1		63-131	8.40	20
o-Xylene	4.86	0.0250	5.00	ND	97.2		63-131	9.03	20
Total Xylenes	14.5	0.0250	15.0	ND	96.5		63-131	8.61	20
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5		70-130		



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2111017-BLK1)

Prepared: 03/09/21 Analyzed: 03/09/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			

#### LCS (2111017-BS1)

Prepared: 03/09/21 Analyzed: 03/10/21

Benzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.26	0.0250	5.00		105	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

#### Matrix Spike (2111017-MS1)

Source: E103020-01 Prepared: 03/09/21 Analyzed: 03/10/21

Benzene	5.28	0.0250	5.00	ND	106	54-133			
Toluene	5.34	0.0250	5.00	ND	107	61-130			
Ethylbenzene	5.18	0.0250	5.00	ND	104	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.29	0.0250	5.00	ND	106	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

#### Matrix Spike Dup (2111017-MSD1)

Source: E103020-01 Prepared: 03/09/21 Analyzed: 03/10/21

Benzene	5.38	0.0250	5.00	ND	108	54-133	2.00	20	
Toluene	5.42	0.0250	5.00	ND	108	61-130	1.43	20	
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133	1.63	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	1.52	20	
o-Xylene	5.37	0.0250	5.00	ND	107	63-131	1.55	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	1.53	20	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110050-BLK1)**

Prepared: 03/05/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

**LCS (2110050-BS2)**

Prepared: 03/05/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

**Matrix Spike (2110050-MS2)**

Source: E103019-02 Prepared: 03/05/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.6	70-130			

**Matrix Spike Dup (2110050-MSD2)**

Source: E103019-02 Prepared: 03/05/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.9	70-130	12.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111017-BLK1)**

Prepared: 03/09/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.17		8.00		102	70-130			

**LCS (2111017-BS2)**

Prepared: 03/09/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			

**Matrix Spike (2111017-MS2)**

Source: E103020-01 Prepared: 03/09/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

**Matrix Spike Dup (2111017-MSD2)**

Source: E103020-01 Prepared: 03/09/21 Analyzed: 03/09/21

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130	6.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111022-BLK1)**

Prepared: 03/09/21 Analyzed: 03/09/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.3		50.0		109	50-200			

**LCS (2111022-BS1)**

Prepared: 03/09/21 Analyzed: 03/09/21

Diesel Range Organics (C10-C28)	453	25.0	500		90.7	38-132			
Surrogate: <i>n</i> -Nonane	52.9		50.0		106	50-200			

**Matrix Spike (2111022-MS1)**

Source: E103013-04 Prepared: 03/09/21 Analyzed: 03/09/21

Diesel Range Organics (C10-C28)	469	25.0	500	ND	93.8	38-132			
Surrogate: <i>n</i> -Nonane	55.8		50.0		112	50-200			

**Matrix Spike Dup (2111022-MSD1)**

Source: E103013-04 Prepared: 03/09/21 Analyzed: 03/09/21

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.6	38-132	2.44	20	
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111024-BLK1)**

Prepared: 03/09/21 Analyzed: 03/10/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.3		50.0		94.6	50-200			

**LCS (2111024-BS1)**

Prepared: 03/09/21 Analyzed: 03/10/21

Diesel Range Organics (C10-C28)	512	25.0	500		102	38-132			
Surrogate: <i>n</i> -Nonane	41.7		50.0		83.3	50-200			

**Matrix Spike (2111024-MS1)**

Source: E103020-16 Prepared: 03/09/21 Analyzed: 03/11/21

Diesel Range Organics (C10-C28)	8310	500	500	7080	246	38-132			M4
Surrogate: <i>n</i> -Nonane	114		50.0		227	50-200			S3

**Matrix Spike Dup (2111024-MSD1)**

Source: E103020-16 Prepared: 03/09/21 Analyzed: 03/11/21

Diesel Range Organics (C10-C28)	7100	500	500	7080	2.82	38-132	15.8	20	M4
Surrogate: <i>n</i> -Nonane	107		50.0		214	50-200			S3



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2110042-BLK1)**

Prepared: 03/05/21 Analyzed: 03/05/21

Chloride ND 20.0

**LCS (2110042-BS1)**

Prepared: 03/05/21 Analyzed: 03/05/21

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2110042-MS1)**

Source: E103015-01 Prepared: 03/05/21 Analyzed: 03/05/21

Chloride 253 20.0 250 ND 101 80-120

**Matrix Spike Dup (2110042-MSD1)**

Source: E103015-01 Prepared: 03/05/21 Analyzed: 03/05/21

Chloride 252 20.0 250 ND 101 80-120 0.411 20



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/11/2021 4:51:37PM
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#### Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111012-BLK1)**

Prepared: 03/08/21 Analyzed: 03/09/21

Chloride ND 20.0

**LCS (2111012-BS1)**

Prepared: 03/08/21 Analyzed: 03/09/21

Chloride 244 20.0 250 97.4 90-110

**Matrix Spike (2111012-MS1)**

Source: E103020-01 Prepared: 03/08/21 Analyzed: 03/09/21

Chloride 302 20.0 250 59.0 97.3 80-120

**Matrix Spike Dup (2111012-MSD1)**

Source: E103020-01 Prepared: 03/08/21 Analyzed: 03/09/21

Chloride 297 20.0 250 59.0 95.2 80-120 1.74 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/11/21 16:51

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- S3 Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only		5-Day		EPA Program							
Project: <u>Dolly Varden 25-24</u>	Attention: <u>SMA - Mewbourne</u>	Lab WO#	Job Number	TAT	1D	3D	RCRA	CWA	SDWA				
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE103020</u>	<u>19026-0001</u>										
Address:	City, State, Zip	Analysis and Method							State				
City, State, Zip	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
Phone:	Email:									<input checked="" type="checkbox"/>			
Email: <u>Ashley/Nate</u>	Report due by:									TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	3/2	S	1	CSW-24	1									
				CSW-26	2									
				CSW-27	3									
				CSW-28	4									
				CSW-29	5									
				CSW-30	6									
				CSW-31	7									
				CSW-32	8									
				CSW-33	9									
				CSW-34	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature) <u>Mto Am</u>	Date <u>3/4</u>	Time <u>1400</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3.4.21</u>	Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3.4.21</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/5/21</u>	Time <u>11:15</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5792 US Highway 34 Farmington, NJ 07401  
24-hour Emergency Response Phone: 800-332-1873

Ph: 908-392-1881 Fax: 908-620-1838



Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only							
Project: <u>Dolly Varden 25-24</u>	Attention: <u>SMA - Mewbourne</u>	TAT		EPA Program					
Project Manager: <u>Ashley Maxwell</u>	Address:	1D	3D	RCRA	CWA	SDWA			
Address:	City, State, Zip	PE103020		19026-0001					
City, State, Zip	Phone:	Am 3/5/21				Analysis and Method			
Phone:	Email:					State			
Email: <u>Ashley/Nate</u>	Report due by:					NM	CO	UT	AZ
						<input checked="" type="checkbox"/>			
						TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	3/2	S	1	CSW-35	11							X		
				CSW-36	12									
				CSW-37	13									
				CSW-38	14									
				CSW-39	15									
				CSW-40	16									
				CSW-41	17									
				CSW-42	18									
				CSW-43	19									
				CSW-44	20									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Nick Carr</u>	Date <u>3/4</u>	Time <u>1400</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-4-21</u>	Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-4-21</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/5/21</u>	Time <u>11:15</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5799 US Highway 34, Farmington, NY 13740  
 24 Hour Emergency Response Phone: 800-932-1878

Ph: 505-892-1361 Fax: 505-892-1355



5-Day

Client: SMA - Carlsbad		Bill To		Lab Use Only		TAT		EPA Program				
Project: Ashley Maxwell		Attention: SMA - Menbourne		Lab WO# PE103000		Job Number 1902600001		1D	3D	RCRA	CWA	SDWA
Project Manager:		Address:		Analysis and Method						State		
Address:		City, State, Zip								NM CO UT AZ		
City, State, Zip		Phone:								TX OK		
Phone:		Email:										
Email: Ashley/Nate		Report due by:										

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	3/2	S	1	CSW-45	21							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Nate Carr</i>	Date 3/4	Time 1400	Received by: (Signature) <i>[Signature]</i>	Date 3-4-21	Time 1400	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 3-4-21	Time 1700	Received by: (Signature) <i>[Signature]</i>	Date 3/5/21	Time 11:15	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5795 US Highway 34 Farrington, NY 13740  
24-hour Emergency Response Phone: (800) 350-1070

Ph: 800.350.1070 Fax: 800.600.1055



Envirotech Analytical Laboratory

Printed: 3/5/2021 4:55:54PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Souder Miller Associates - Carlsbad Date Received: 03/05/21 11:15 Work Order ID: E103020
Phone: (505) 325-7535 Date Logged In: 03/05/21 08:40 Logged In By: Alexa Michaels
Email: ashley.maxwell@soudermiller.com Due Date: 03/11/21 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? No
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25-24

Work Order: E103027

Job Number: 19026-0001

Received: 3/6/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/12/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/12/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25-24  
Workorder: E103027  
Date Received: 3/6/2021 12:45:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/6/2021 12:45:00PM, under the Project Name: Dolly Varden 25-24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25-24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-87 (-2')	6
CS-88 (-2')	7
CS-89 (-.5')	8
CS-90 (-.5')	9
CS-91 (-.5')	10
CS-92 (-.5')	11
CS-93 (-.5')	12
CS-94 (-.5')	13
CS-95 (-.5')	14
CS-96 (-.5')	15
CS-97 (-.5')	16
CS-98 (-1')	17
CS-99 (-.5')	18
CS-100 (-1')	19
CSW-46	20
CSW-47	21
CSW-48	22
CSW-49	23
CSW-50	24
CSW-51	25

## Table of Contents (continued)

RCS-54 (-1')	26
RCSW-10	27
QC Summary Data	28
QC - Volatile Organic Compounds by EPA 8260B	28
QC - Nonhalogenated Organics by EPA 8015D - GRO	29
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	31
QC - Anions by EPA 300.0/9056A	33
Definitions and Notes	34
Chain of Custody etc.	35

## Sample Summary

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25-24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
03/12/21 15:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-87 (-2')	E103027-01A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-88 (-2')	E103027-02A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-89 (-.5')	E103027-03A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-90 (-.5')	E103027-04A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-91 (-.5')	E103027-05A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-92 (-.5')	E103027-06A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-93 (-.5')	E103027-07A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-94 (-.5')	E103027-08A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CS-95 (-.5')	E103027-09A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CS-96 (-.5')	E103027-10A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CS-97 (-.5')	E103027-11A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CS-98 (-1')	E103027-12A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CS-99 (-.5')	E103027-13A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CS-100 (-1')	E103027-14A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CSW-46	E103027-15A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CSW-47	E103027-16A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CSW-48	E103027-17A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CSW-49	E103027-18A	Soil	03/03/21	03/06/21	Glass Jar, 4 oz.
CSW-50	E103027-19A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
CSW-51	E103027-20A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
RCS-54 (-1')	E103027-21A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.
RCSW-10	E103027-22A	Soil	03/04/21	03/06/21	Glass Jar, 4 oz.



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CS-87 (-2')**

**E103027-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
---------	--------	-----------------	----------	----------	----------	-------

<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21
Toluene	ND	0.0250	1	03/11/21	03/11/21
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21
o-Xylene	ND	0.0250	1	03/11/21	03/11/21
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21

<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130		03/11/21	03/11/21
<i>Surrogate: Toluene-d8</i>	102 %	70-130		03/11/21	03/11/21
<i>Surrogate: Bromofluorobenzene</i>	91.2 %	70-130		03/11/21	03/11/21

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130		03/11/21	03/11/21
<i>Surrogate: Toluene-d8</i>	102 %	70-130		03/11/21	03/11/21
<i>Surrogate: Bromofluorobenzene</i>	91.2 %	70-130		03/11/21	03/11/21

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21
Oil Range Organics (C28-C35)	ND	50.0	1	03/10/21	03/11/21
<i>Surrogate: n-Nonane</i>	122 %	50-200		03/10/21	03/11/21

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2111035
Chloride	ND	20.0	1	03/10/21	03/11/21

### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
--	---	---

**CS-88 (-2')**

**E103027-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		91.5 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		91.5 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	50.5	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		122 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	ND	20.0	1	03/10/21	03/11/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
--	---	---

## CS-89 (-.5')

## E103027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	2.02	0.250	10	03/11/21	03/11/21	
Toluene	34.2	0.250	10	03/11/21	03/11/21	
Ethylbenzene	24.2	0.250	10	03/11/21	03/11/21	
p,m-Xylene	37.0	0.500	10	03/11/21	03/11/21	
o-Xylene	14.9	0.250	10	03/11/21	03/11/21	
Total Xylenes	51.9	0.250	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	770	200	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	24600	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	18500	5000	100	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		393 %	50-200	03/10/21	03/12/21	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	10200	100	5	03/10/21	03/11/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CS-90 (-.5')

## E103027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	0.270	0.250	10	03/11/21	03/11/21	
Toluene	19.2	0.250	10	03/11/21	03/11/21	
Ethylbenzene	20.8	0.250	10	03/11/21	03/11/21	
p,m-Xylene	32.6	0.500	10	03/11/21	03/11/21	
o-Xylene	13.4	0.250	10	03/11/21	03/11/21	
Total Xylenes	46.0	0.250	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		95.2 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	668	200	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		95.2 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	13100	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	9040	5000	100	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		358 %	50-200	03/10/21	03/12/21	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	12100	100	5	03/10/21	03/11/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CS-91 (-.5')

## E103027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2111045
Benzene	ND	0.250	10	03/11/21	03/11/21	
Toluene	12.9	0.250	10	03/11/21	03/11/21	
Ethylbenzene	15.2	0.250	10	03/11/21	03/11/21	
p,m-Xylene	23.9	0.500	10	03/11/21	03/11/21	
o-Xylene	10.2	0.250	10	03/11/21	03/11/21	
Total Xylenes	34.2	0.250	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	529	200	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	13000	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	9400	5000	100	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		344 %	50-200	03/10/21	03/12/21	S5
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2111035
Chloride	21300	200	10	03/10/21	03/11/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CS-92 (-.5')**

**E103027-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2111045
Benzene	<b>0.890</b>	0.250	10	03/11/21	03/11/21	
Toluene	<b>28.8</b>	0.250	10	03/11/21	03/11/21	
Ethylbenzene	<b>23.0</b>	0.250	10	03/11/21	03/11/21	
p,m-Xylene	<b>35.3</b>	0.500	10	03/11/21	03/11/21	
o-Xylene	<b>14.0</b>	0.250	10	03/11/21	03/11/21	
Total Xylenes	<b>49.3</b>	0.250	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	<b>683</b>	200	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	<b>15800</b>	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	<b>11000</b>	5000	100	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		374 %	50-200	03/10/21	03/12/21	S5
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2111035
Chloride	<b>39500</b>	400	20	03/10/21	03/11/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CS-93 (-.5')**

**E103027-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	<b>3010</b>	250	10	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	<b>2360</b>	500	10	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		142 %	50-200	03/10/21	03/12/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	<b>4920</b>	100	5	03/10/21	03/11/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CS-94 (-.5')**

**E103027-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	<b>0.0445</b>	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	<b>0.487</b>	0.0250	1	03/11/21	03/11/21	
Total Xylenes	<b>0.487</b>	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		106 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>						
		107 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>						
		94.5 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	<b>48.8</b>	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		106 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>						
		107 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>						
		94.5 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	<b>6450</b>	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	<b>8230</b>	5000	100	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>						
		223 %	50-200	03/10/21	03/12/21	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	<b>1580</b>	40.0	2	03/10/21	03/11/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CS-95 (-.5')

## E103027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.250	10	03/11/21	03/11/21	
Toluene	1.36	0.250	10	03/11/21	03/11/21	
Ethylbenzene	3.69	0.250	10	03/11/21	03/11/21	
p,m-Xylene	6.31	0.500	10	03/11/21	03/11/21	
o-Xylene	2.93	0.250	10	03/11/21	03/11/21	
Total Xylenes	9.24	0.250	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	200	10	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	6330	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	5740	5000	100	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		235 %	50-200	03/10/21	03/12/21	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	8190	100	5	03/10/21	03/11/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CS-96 (-.5')

## E103027-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	<b>0.0265</b>	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	<b>0.0550</b>	0.0500	1	03/11/21	03/11/21	
o-Xylene	<b>0.0255</b>	0.0250	1	03/11/21	03/11/21	
Total Xylenes	<b>0.0805</b>	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	<b>664</b>	25.0	1	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	<b>411</b>	50.0	1	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		149 %	50-200	03/10/21	03/12/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	<b>9210</b>	100	5	03/10/21	03/11/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CS-97 (-.5')**

**E103027-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	<b>0.0515</b>	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	<b>0.210</b>	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	<b>0.437</b>	0.0500	1	03/11/21	03/11/21	
o-Xylene	<b>0.193</b>	0.0250	1	03/11/21	03/11/21	
Total Xylenes	<b>0.629</b>	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	<b>4920</b>	500	20	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	<b>3800</b>	1000	20	03/10/21	03/12/21	
<i>Surrogate: n-Nonane</i>		150 %	50-200	03/10/21	03/12/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	<b>13200</b>	100	5	03/10/21	03/12/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	Reported: 3/12/2021 3:59:51PM
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## CS-98 (-1')

## E103027-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	27.6	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	52.9	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		121 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	1930	40.0	2	03/10/21	03/12/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CS-99 (-.5')**

**E103027-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	49.0	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	77.5	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		117 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	5070	100	5	03/10/21	03/12/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	Reported: 3/12/2021 3:59:51PM
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## CS-100 (-1')

## E103027-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	219	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	217	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		122 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	62.5	20.0	1	03/10/21	03/12/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CSW-46

## E103027-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		124 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	269	20.0	1	03/10/21	03/12/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CSW-47

## E103027-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		125 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	ND	20.0	1	03/10/21	03/12/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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## CSW-48

## E103027-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	ND	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	ND	0.0250	1	03/11/21	03/11/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.2 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/11/21	
<i>Surrogate: Bromofluorobenzene</i>		92.2 %	70-130	03/11/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	61.8	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		125 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	282	20.0	1	03/10/21	03/12/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CSW-49**

**E103027-18**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/12/21	
Toluene	ND	0.0250	1	03/11/21	03/12/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/12/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/12/21	
o-Xylene	ND	0.0250	1	03/11/21	03/12/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/12/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Bromofluorobenzene</i>		91.1 %	70-130	03/11/21	03/12/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/12/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Bromofluorobenzene</i>		91.1 %	70-130	03/11/21	03/12/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		123 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	1170	20.0	1	03/10/21	03/12/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**CSW-50**  
**E103027-19**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/12/21	
Toluene	ND	0.0250	1	03/11/21	03/12/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/12/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/12/21	
o-Xylene	ND	0.0250	1	03/11/21	03/12/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/12/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Bromofluorobenzene</i>		91.3 %	70-130	03/11/21	03/12/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/12/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Bromofluorobenzene</i>		91.3 %	70-130	03/11/21	03/12/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		121 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	353	20.0	1	03/10/21	03/12/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	Reported: 3/12/2021 3:59:51PM
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## CSW-51

## E103027-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/12/21	
Toluene	ND	0.0250	1	03/11/21	03/12/21	
Ethylbenzene	ND	0.0250	1	03/11/21	03/12/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/12/21	
o-Xylene	ND	0.0250	1	03/11/21	03/12/21	
Total Xylenes	ND	0.0250	1	03/11/21	03/12/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Bromofluorobenzene</i>		90.6 %	70-130	03/11/21	03/12/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/12/21	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/11/21	03/12/21	
<i>Surrogate: Bromofluorobenzene</i>		90.6 %	70-130	03/11/21	03/12/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	66.2	25.0	1	03/10/21	03/11/21	
Oil Range Organics (C28-C35)	133	50.0	1	03/10/21	03/11/21	
<i>Surrogate: n-Nonane</i>		122 %	50-200	03/10/21	03/11/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	386	20.0	1	03/10/21	03/12/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**RCS-54 (-1')**

**E103027-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2111026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	03/09/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2111033
Diesel Range Organics (C10-C28)	<b>209</b>	25.0	1	03/10/21	03/10/21	
Oil Range Organics (C28-C35)	<b>135</b>	50.0	1	03/10/21	03/10/21	
<i>Surrogate: n-Nonane</i>		116 %	50-200	03/10/21	03/10/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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**RCSW-10**

**E103027-22**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2111026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	03/09/21	03/11/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AC		Batch: 2111033	
Diesel Range Organics (C10-C28)	<b>165</b>	25.0	1	03/10/21	03/10/21	
Oil Range Organics (C28-C35)	<b>109</b>	50.0	1	03/10/21	03/10/21	
<i>Surrogate: n-Nonane</i>		113 %	50-200	03/10/21	03/10/21	



### QC Summary Data

Souder Miller Associates - Carlsbad	Project Name: Dolly Varden 25-24	<b>Reported:</b> 3/12/2021 3:59:51PM
201 S Halagueno St.	Project Number: 19026-0001	
Carlsbad NM, 88220	Project Manager: Ashley Maxwell	

#### Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2111045-BLK1)

Prepared: 03/11/21 Analyzed: 03/11/21

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 1,2-Dichloroethane-d4	0.527		0.500		105	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.457		0.500		91.3	70-130			

#### LCS (2111045-BS1)

Prepared: 03/11/21 Analyzed: 03/11/21

Benzene	2.15	0.0250	2.50		86.1	70-130			
Toluene	2.33	0.0250	2.50		93.1	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130			
p,m-Xylene	4.38	0.0500	5.00		87.6	70-130			
o-Xylene	2.19	0.0250	2.50		87.4	70-130			
Total Xylenes	6.56	0.0250	7.50		87.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.446		0.500		89.1	70-130			

#### Matrix Spike (2111045-MS1)

Source: E103027-01 Prepared: 03/11/21 Analyzed: 03/11/21

Benzene	2.23	0.0250	2.50	ND	89.0	48-131			
Toluene	2.43	0.0250	2.50	ND	97.3	48-130			
Ethylbenzene	2.38	0.0250	2.50	ND	95.1	45-135			
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135			
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135			
Total Xylenes	6.93	0.0250	7.50	ND	92.4	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.449		0.500		89.7	70-130			

#### Matrix Spike Dup (2111045-MSD1)

Source: E103027-01 Prepared: 03/11/21 Analyzed: 03/11/21

Benzene	2.08	0.0250	2.50	ND	83.2	48-131	6.73	23	
Toluene	2.28	0.0250	2.50	ND	91.2	48-130	6.47	24	
Ethylbenzene	2.25	0.0250	2.50	ND	89.8	45-135	5.69	27	
p,m-Xylene	4.37	0.0500	5.00	ND	87.5	43-135	5.44	27	
o-Xylene	2.18	0.0250	2.50	ND	87.4	43-135	5.82	27	
Total Xylenes	6.56	0.0250	7.50	ND	87.4	43-135	5.57	27	
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.462		0.500		92.4	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111026-BLK1)**

Prepared: 03/09/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

**LCS (2111026-BS2)**

Prepared: 03/09/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

**Matrix Spike (2111026-MS2)**

Source: E103022-01 Prepared: 03/09/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

**Matrix Spike Dup (2111026-MSD2)**

Source: E103022-01 Prepared: 03/09/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130	2.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111045-BLK1)**

Prepared: 03/11/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	0.527		0.500		105	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.457		0.500		91.3	70-130			

**LCS (2111045-BS2)**

Prepared: 03/11/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.454		0.500		90.8	70-130			

**Matrix Spike (2111045-MS2)**

Source: E103027-01 Prepared: 03/11/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
Surrogate: Bromofluorobenzene	0.449		0.500		89.8	70-130			

**Matrix Spike Dup (2111045-MSD2)**

Source: E103027-01 Prepared: 03/11/21 Analyzed: 03/11/21

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130	14.8	20	
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.454		0.500		90.8	70-130			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111033-BLK1)**

Prepared: 03/10/21 Analyzed: 03/10/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.4	50-200			

**LCS (2111033-BS1)**

Prepared: 03/10/21 Analyzed: 03/10/21

Diesel Range Organics (C10-C28)	480	25.0	500		96.0	38-132			
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	50-200			

**Matrix Spike (2111033-MS1)**

Source: E103039-04 Prepared: 03/10/21 Analyzed: 03/10/21

Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.7	38-132			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	50-200			

**Matrix Spike Dup (2111033-MSD1)**

Source: E103039-04 Prepared: 03/10/21 Analyzed: 03/10/21

Diesel Range Organics (C10-C28)	480	25.0	500	ND	95.9	38-132	0.236	20	
Surrogate: <i>n</i> -Nonane	45.3		50.0		90.6	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AC

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111038-BLK1)**

Prepared: 03/10/21 Analyzed: 03/11/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	67.8		50.0		136	50-200			

**LCS (2111038-BS1)**

Prepared: 03/10/21 Analyzed: 03/11/21

Diesel Range Organics (C10-C28)	570	25.0	500		114	38-132			
Surrogate: <i>n</i> -Nonane	58.5		50.0		117	50-200			

**Matrix Spike (2111038-MS1)**

Source: E103027-10 Prepared: 03/10/21 Analyzed: 03/12/21

Diesel Range Organics (C10-C28)	1790	25.0	500	664	225	38-132			M2
Surrogate: <i>n</i> -Nonane	75.2		50.0		150	50-200			

**Matrix Spike Dup (2111038-MSD1)**

Source: E103027-10 Prepared: 03/10/21 Analyzed: 03/12/21

Diesel Range Organics (C10-C28)	1730	25.0	500	664	213	38-132	3.42	20	M2
Surrogate: <i>n</i> -Nonane	72.6		50.0		145	50-200			



### QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25-24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 3/12/2021 3:59:51PM
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#### Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2111035-BLK1)**

Prepared: 03/10/21 Analyzed: 03/11/21

Chloride ND 20.0

**LCS (2111035-BS1)**

Prepared: 03/10/21 Analyzed: 03/11/21

Chloride 247 20.0 250 98.9 90-110

**Matrix Spike (2111035-MS1)**

Source: E103027-01 Prepared: 03/10/21 Analyzed: 03/11/21

Chloride 257 20.0 250 ND 103 80-120

**Matrix Spike Dup (2111035-MSD1)**

Source: E103027-01 Prepared: 03/10/21 Analyzed: 03/11/21

Chloride 262 20.0 250 ND 105 80-120 1.86 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/12/21 15:59

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>SMA - Carlisbad</u>	Bill To	Lab Use Only		TAT		EPA Program		
Project: <u>Dolly Varden 25-24</u>	Attention: <u>SMA - Newbourn</u>	Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE103027</u>	<u>190260001</u>					
Address:	City, State, Zip	<u>Am 26/21</u>	Analysis and Method			State		
City, State, Zip	Phone:							
Phone:	Email:							
Email: <u>Ashley</u>								
Report due by:								

5-Day

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	3/3	S	1	CS-87 (-2')	1							X		
	3/3			CS-88 (-2')	2									
	3/3			CS-89 (-.5')	3									
	3/3			CS-90 (-.5')	4									
	3/3			CS-91 (-.5')	5									
	3/3			CS-92 (-.5')	6									
	3/3			CS-93 (-.5')	7									
	3/3			CS-94 (-.5')	8									
	3/4			CS-95 (-.5')	9									
	3/4			CS-96 (-.5')	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Mitchum</u>	Date <u>3/5</u>	Time <u>1150</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-5-21</u>	Time <u>1150</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-5-21</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/6/21</u>	Time <u>12:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: <u>SMA - Carlsbad</u>	Bill To	Lab Use Only		TAT		EPA Program		
Project: <u>Polly Varden 25-24</u>	Attention: <u>SMA - Newbourne</u>	Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>	Address:	<u>PE103027</u>	<u>19026000</u>					
Address:	City, State, Zip	<u>AM3/6/21</u> Analysis and Method		State				
City, State, Zip	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	
Phone:	Email:							NM
Email: <u>Ashley</u>	Report due by:							CO
								UT
								AZ
								TX
								OK
								Remarks

5-Day

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC - NM	BGDOC - TX	Remarks
	3/4	S	1	CS-97 (-.5')	11							X		
	3/4			CS-98 (-1')	12									
	3/4			CS-99 (-.5')	13									
	3/4			CS-100 (-1')	14									
	3/3			CSW-46	15									
	3/3			CSW-47	16									
	3/3			CSW-48	17									
	3/3			CSW-49	18									
	3/4			CSW-50	19									
	3/4			CSW-51	20									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: \_\_\_\_\_

Relinquished by: (Signature) <u>Not on</u>	Date <u>3/5</u>	Time <u>1150</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-5-21</u>	Time <u>1150</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-5-21</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/6/21</u>	Time <u>12:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



5799 US Highway 34, Farmington, NJ 07401  
24-hour Emergency Response Phone: (800) 832-1879

Ft. 878, 800-1-801, Ft. 1805, 832-1855





**Envirotech Analytical Laboratory**

Printed: 3/8/2021 2:38:50PM

**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/06/21 12:45	Work Order ID:	E103027
Phone:	(505) 325-7535	Date Logged In:	03/06/21 13:30	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/12/21 17:00 (4 day TAT)		

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Fed Ex

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Comments/Resolution**

Sample #7 Jar CS-93 (-.5ft) lid arrived broken

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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March 31, 2021

ASHLEY MAXWELL

SOUDER MILLER AND ASSOCIATES

201 S. HALAGUENO

CARLSBAD, NM 88220

RE: DOLLY VARDEN

Enclosed are the results of analyses for samples received by the laboratory on 03/29/21 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CS - 54 (H210773-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61		
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27		
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND						

Surrogate: 1-Chlorooctane 82.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.8 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CS - 79 (H210773-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/30/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CS - 80 (H210773-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/30/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61		
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27		
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND						

Surrogate: 1-Chlorooctane 75.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CS - 81 (H210773-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13	
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CS - 84 (H210773-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13	
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CS - 100 (H210773-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13	
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CSW - 2 (H210773-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/30/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13		
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43		
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND						

Surrogate: 1-Chlorooctane 67.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CSW - 10 (H210773-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/30/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13		
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43		
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND						

Surrogate: 1-Chlorooctane 66.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CSW - 22 (H210773-09)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13		
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43		
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND						

Surrogate: 1-Chlorooctane 74.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.9 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CSW - 45 (H210773-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/30/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13		
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43		
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND						

Surrogate: 1-Chlorooctane 70.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

SOUDER MILLER AND ASSOCIATES  
 ASHLEY MAXWELL  
 201 S. HALAGUENO  
 CARLSBAD NM, 88220  
 Fax To: NONE

Received:	03/29/2021	Sampling Date:	03/24/2021
Reported:	03/31/2021	Sampling Type:	Soil
Project Name:	DOLLY VARDEN	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

**Sample ID: CSW - 51 (H210773-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56		
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82		
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56		
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03		
Total BTEX	<0.300	0.300	03/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2021	ND	214	107	200	3.13		
DRO >C10-C28*	<10.0	10.0	03/30/2021	ND	216	108	200	1.43		
EXT DRO >C28-C36	<10.0	10.0	03/30/2021	ND						

Surrogate: 1-Chlorooctane 61.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 61.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: SMA  
 Project Manager: Ashley Maxwell  
 Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: Dolly Varden  
 Project Location: \_\_\_\_\_  
 Sampler Name: Alicia A. Lopez  
 FOR LAB USE ONLY

P.O. #: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
HA101713	CS-54								3/24/21	10:30	RT EX	
	CS-29									10:20	TPH	
	CS-90									10:00	Cl	
	CS-81									10:50		
	CS-84									10:10		
	CS-100									10:40		
	CSW-2									11:40		
	CSW-10									11:00		
	CSW-22									11:10		
	CSW-45									11:30		

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Relinquished By: \_\_\_\_\_  
 Date: 3/24/21  
 Received By: \_\_\_\_\_  
 Date: 3/24/21  
 Time: 2:00  
 Date: 3-29-21  
 Time: 10:30  
 Observed Temp. °C: \_\_\_\_\_  
 Corrected Temp. °C: \_\_\_\_\_

Delivered By: (Circle One) \_\_\_\_\_  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 Sample Condition:  Intact  Yes  No  
 Cool:  Yes  No  
 Checked By: \_\_\_\_\_  
 Turnaround Time: \_\_\_\_\_  
 Thermometer ID #113: \_\_\_\_\_  
 Correction Factor None: \_\_\_\_\_  
 Standard:   Rush  
 Bacteria (only) Sample Condition:  Yes  No  
 Cool Intact:  Yes  No  
 Corrected Temp. °C: \_\_\_\_\_

+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Company Name: SMA

Project Manager: Ashley Maxwell

Address:

City:

Phone #:

Project #:

Project Name: Dolly Varden

Project Location:

Sampler Name: Alicia A. Lopez

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H210773 / 11 CSW-57

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE TIME 3/24/21 11:20

BTEX  
TPH  
CI

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Relinquished By:

*[Signature]*

Date: 3/24/21

Time: 2:00

Date: 3-29-21

Time: 1030

Received By:

*[Signature]*

Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Verbal Result:  Yes  No

Add'l Phone #:

All Results are emailed. Please provide Email address.

REMARKS: *Renner's @ Mewborne.com  
Direct bill Mewborne*

Turnaround Time:

Standard  Rush

Thermometer ID #113

Correction Factor None

Bacteria (only)  Sample Condition

Observed Temp. °C

Cool Intact  Yes  No

Corrected Temp. °C

FORM-006 REV 06/04/20

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Incident ID	NAPP2104059237
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Connor Walker Title: Sr. Engineer  
 Signature:  Date: 8/12/2022  
 email: cwalker@mewbourne.com Telephone: 806-202-5281

**OCD Only**

Received by: Jocelyn Harimon Date: 08/12/2022

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature:  Date: 08/15/2022

Incident ID	NAPP2104059237
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist: Each of the following items must be included in the closure report.**

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 8/12/2022

email: cwalker@mewbourne.com Telephone: 806-202-5281

**OCD Only**

Received by: Jocelyn Harimon Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



TABLE 3.1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY  
DOLLY VARDEN 25-24 B2ED ST COM #1H BATTERY  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAPP2104059237

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/Kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/Kg)	GRO+ DRO (mg/kg)	MRO C <sub>28</sub> -C <sub>36</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
Remediation Walls																	
CWS - 26 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	24.3	24.3	15.8	40	272
CWS - 27 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	123	123	54.9	178	272
CWS - 27 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 28 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	3760	3760	898	<b>4,658</b>	<b>608</b>
CWS - 28 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CWS - 29 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	909	909	393	<b>1,302</b>	528
CWS - 29 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 31 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>720</b>
CWS - 31 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 38 E @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CWS - 39 S @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	17.5	17.5	<10.0	17.5	48.0
CWS - 40 E @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	923	923	384	<b>1,307</b>	544
CWS - 40 E @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 44 E @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

Concentrations in **BOLD** exceed the NMOCD Closure Limit

**From:** [Hensley, Chad, EMNRD](#)  
**To:** [Connor Walker](#)  
**Cc:** [Bratcher, Mike, EMNRD](#); [Robbie Runnels](#)  
**Subject:** RE: [EXTERNAL] RE: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 38247  
**Date:** Friday, October 8, 2021 3:15:00 PM  
**Attachments:** [image002.png](#)

---

Mr. Walker,

1. **Delineation on pad submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.**
  - a. Nate (project manager) had augur refusal on the pad that prevented further vertical delineation. Due to the electrical lines and active production lines, I don't believe it is realistic to get heavy equipment or drilling equipment inside of that area.
    - ✓ ***The OCD has accepted Mewbourne's delineation. Indicated samples points to be deferred on pad. Label pictures you included recently and have them matching areas to be deferred.***  
***(On a side note, please include labeled pictures for deferrals in future reports. Concerns were answered by the pictures sent.)***
  
2. **Deferral is not eligible for off-pad release.**
  - a. Understandable; however, the pipeline company would not allow us to excavate next to the line.
    - ✓ ***The OCD requests Mewbourne provide a signed statement from the pipeline operator indicating that Mewbourne is declined the ability to perform remedial excavation activities in close proximity to this pipeline.*** Not applicable
  
3. **Delineation on off-pad submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.**
  - a. Once again, Mewbourne excavated everything they could. We were unable to excavate the soil directly below the pipeline due to the operator's restrictions
    - ✓ ***The OCD will not defer off pad.*** See Table 3.1
  
4. **Please include pictures of the remediation activities that has been done, including around equipment.**
  - a. We included a photolog in the report. However, we do have additional pictures that were taken during excavation activities. We can create a photo log that includes all these pictures.
    - ✓ ***The OCD has accepted Mewbourne's pictures. Please include these in your following report.***
  
5. **The OCD request a clearer map of location in comparison of equipment and sample points.**
  - a. We are working on getting this map for you to review.
    - ✓ ***The OCD has accepted Mewbourne's site map. Please include these in your following report.***

---

**From:** Connor Walker <walker@mewbourne.com>  
**Sent:** Thursday, October 7, 2021 1:40 PM  
**To:** Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>  
**Cc:** Robbie Runnels <rrunnels@mewbourne.com>  
**Subject:** RE: [EXTERNAL] RE: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 38247

Chad,

Please see attached update maps and complete photo log. Please let me know if there is anything else you will need.

Thanks,

Connor Walker  
Senior Engineer  
Mewbourne Oil Company  
Cell: (806) 202-5281  
Email: [cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)



---

**From:** Hensley, Chad, EMNRD <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>  
**Sent:** Tuesday, October 5, 2021 1:34 PM  
**To:** Connor Walker <[cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>  
**Cc:** Robbie Runnels <[rrunnels@mewbourne.com](mailto:rrunnels@mewbourne.com)>  
**Subject:** RE: [EXTERNAL] RE: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 38247

Connor,

Please send items #4 & #5 to me when able. I will review them and send back a response.

Thank You,

**Chad Hensley** • Environmental Science & Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
811 First St. | Artesia, NM 88210  
Office: 575.748.1283 | Cell: 575-703-1723

[chad.hensley@state.nm.us](mailto:chad.hensley@state.nm.us)

<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Connor Walker <[cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)>  
**Sent:** Tuesday, October 5, 2021 10:46 AM  
**To:** Hensley, Chad, EMNRD <[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>  
**Cc:** Robbie Runnels <[rrunnels@mewbourne.com](mailto:rrunnels@mewbourne.com)>  
**Subject:** [EXTERNAL] RE: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 38247

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Chad and Robert,

We got with our project management company on this release and their responses are below:

1. **Delineation on pad submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.**
  - a. Nate (project manager) had augur refusal on the pad that prevented further vertical delineation. Due to the electrical lines and active production lines, I don't believe it is realistic to get heavy equipment or drilling equipment inside of that area.
2. **Deferral is not eligible for off-pad release.**
  - a. Understandable; however, the pipeline company would not allow us to excavate next to the line.
3. **Delineation on off-pad submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.**
  - a. Once again, Mewbourne excavated everything they could. We were unable to excavate the soil directly below the pipeline due to the operator's restrictions
4. **Please include pictures of the remediation activities that has been done, including around equipment.**
  - a. We included a photolog in the report. However, we do have additional pictures that

were taken during excavation activities. We can create a photo log that includes all of these pictures.

5. **The OCD request a clearer map of location in comparison of equipment and sample points.**

a. We are working on getting this map for you to review.

On points 2 and 3 we would like to request a variance being that the high pressure gas pipeline owned by a third party cannot be excavated any closer.

Please let me know how you would like us to proceed. We would like to get this one backfilled and behind us.

Thanks,

Connor Walker

---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>

**Sent:** Tuesday, August 31, 2021 9:50 AM

**To:** Connor Walker <[cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)>

**Subject:** [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 38247

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2104059237, for the following reasons:

- **Delineation on pad submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.**
- **Deferral is not eligible for off-pad release.**
- **Delineation on off-pad submitted was incomplete and did not meet the requirements of 19.15.29.11 NMAC.**
- **Please include pictures of the remediation activities that has been done, including around equipment.**
- **The OCD request a clearer map of location in comparison of equipment and sample points.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 38247.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,  
Chad Hensley  
Environmental Science & Specialist  
575-703-1723

[Chad.Hensley@state.nm.us](mailto:Chad.Hensley@state.nm.us)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220  
(575) 689-8801

May 12, 2021

#5E30043-BG1

NMOCD District 1  
1625 N. French Drive  
Hobbs, New Mexico 88240

SUBJECT: Remediation Closure Report for the Dolly Varden 25/24 B2ED State Com #001H Release (NAPP2104059237), Lea County, New Mexico

To Whom it May Concern:

On behalf of Mewbourne Oil Company, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the Dolly Varden 25/24 B2ED State Com #001H site. The site is in Unit E, Section 25, Township 21S, Range 34E, Lea County, New Mexico, on State land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

<b>Table 1: Release Information and Closure Criteria</b>			
Name	Dolly Varden 25/24 B2ED State Com #001H	Company	Mewbourne Oil Company
API Number	30-025-45400	Location	32.450093 -103.430842
Tracking Number	NAPP2104059237		
Estimated Date of Release	2/7/2021	Date Reported to NMOCD	2/8/2021
Land Owner	State	Reported To	Cristina Eads
Source of Release	A flowback hand improperly switched oil production into an out-of-service heater treater. Oil escaped from the out-of-service heater treater.		
Released Volume	100 (bbls)	Released Material	Crude Oil
Recovered Volume	10 (bbls)	Net Release	90 (bbls)
NMOCD Closure Criteria	51-100 feet to groundwater		
SMA Response Dates	February 16 – March 24, 2021		

Dolly Varden 25/24 B2ED State Com #001H (NAPP2104059237)  
May 12, 2021

Page 2 of 4

## **1.0 Background**

On February 8, 2021, a release was discovered at the Dolly Varden 25/24 B2ED State Com #001H site due to an oil production valve that was improperly switched into an out-of-service heater treater. Oil was then released from the out-of-service heater treater. Initial response activities were conducted by Mewbourne, and included source elimination, containment, and site stabilization activities, which recovered approximately 10 barrels of fluid and approximately 1,780 cubic yards of contaminated soil, which were hauled to and disposed of at Sundance Disposal in Eunice, NM. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

## **2.0 Site Information and Closure Criteria**

The Dolly Varden 25-24 B2ED is an active production facility located approximately 36 miles Southwest of Hobbs, New Mexico on State land at an elevation of approximately 3,699 feet above mean sea level (amsl).

### Depth to Groundwater

On February 26, 2021 Grigby Ready Drill utilized a rat hole rig to drill a test water well to 55 feet bgs. The test well was drilled on the Dolly Varden 25/24 B2ED State Com #001H well pad. On March 2, 2021 SMA personnel, using a water interphase probe, gauged the well. The interphase probe did not encounter water and the tape was dry upon retrieval. SMA determined that the well was dry and that depth to ground water is greater than 55 feet bgs. Field notes detailing well drilling and sounding are provided in Appendix B.

### Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

### Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed playa, located approximately 2,030 feet to the southwest of the site.

Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

A portion of the release occurred off the well pad and is not considered an “exploration, development, production or storage site” and therefore the top four feet must be remediated to the most stringent standards. Therefore, the off-pad portion of the release area has been reclaimed within the upper four feet to meet the standards of 19.15.29.13.D(1).

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site on the well pad is for a groundwater depth of between 51-100 feet bgs.

## **3.0 Release Characterization and Remediation Activities**

On February 16, 2021, SMA personnel began site assessment activities by collecting background samples, marking the entire visually impacted area and prioritizing remediation areas. The release impacted the southwest corner of the production pad and flowed down the pipeline right-of-way (ROW). A pipeline owned by Targa Resources runs to the southwest along the entire release area, and permission was not granted to excavate within their ROW

Dolly Varden 25/24 B2ED State Com #001H (NAPP2104059237)  
May 12, 2021

Page 3 of 4

SMA was on-site to guide the excavation of contaminated soil between February 11 to March 25, 2021. SMA guided the excavation activities by collecting soil samples for field screening. Samples were screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 2000 photoionization detector (PID) equipped with a 10.6 eV lamp. Soil was excavated until field screening results indicated that the NMOCD Closure Criteria would be met, or until excavation limits due to equipment proximity was reached. NMOCD was notified on February 11, 2021 that closure samples were expected to be collected over the next several days.

On February 16, 2021, SMA began collecting confirmation samples. Samples were collected from the walls and base of the excavation, which measured approximately 30,000 square feet. The area on the pad was excavated to a depth of two feet bgs where possible, but excavation was limited by active production equipment on permanent foundations.

The off pad release was excavated up to 1.5 feet bgs where possible, but was limited by Targa Resources request not to dig within their ROW.

Confirmation base samples were collected every 200 square feet, and sidewall samples were collected approximately every 100 square feet. A total of 164 samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Inc. Analysis Laboratory in Farmington, New Mexico or Cardinal Lab in Hobbs, New Mexico.

Figures 3A – 3E show the extent of the final excavation and closure sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

#### **4.0 Site Recommendations**

As demonstrated in Table 3, closure samples at locations CS-1 through CS-75, CS-79 through CS-88, CS-98 through CS-100, and sidewall samples at locations CSW-1 through CSW-25, CSW-30, CSW-32 through CSW-37, CSW-41 through CSW-43, CSW-45 through CSW-49, CSW-50, and CSW-51) meet the Closure Criteria of Table I of 19.15.29.12 NMAC. As shown in Figures 4 – 4B, deferral is requested near equipment on the pad and near the pipeline, which is represented by sample locations CS-76 through CS-78, CS-89 through CS-97, CSW-26 through CSW-29, CSW-31, CSW-38 through CSW-40, and CSW-44. Remediation activities would cause a major facility destruction; furthermore, Targa Resources prohibited excavation near the pipeline and would not provide excavation oversight services. As required, and demonstrated on Table 3 and Figures 3A – 3E, the deferred area has been fully delineated and does not pose an imminent risk to human health, the environment, or groundwater.

The contaminated soil was transported and disposed of at Sundance Disposal in Eunice, New Mexico, an NMOCD permitted disposal facility.

SMA requests a deferral for remediation in sample locations (CS-76 through CS-78, CS-89 through CS-97, CSW-26 through CSW-29, CSW-31, CSW-38 through CSW-40, and CSW-44 for incident number NAPP2104059237. The area of deferral is depicted in Figures 4 – 4B.

#### **5.0 Scope and Limitations**

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this report. All work has been performed in accordance with generally

Dolly Varden 25/24 B2ED State Com #001H (NAPP2104059237)  
May 12, 2021

Page 4 of 4

accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Ashley Maxwell at 505-320-8975 or Shawna Chubbuck at 505-325-7535.

Submitted by:  
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Ashley Maxwell  
Project Scientist



Shawna Chubbuck  
Senior Scientist

#### REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database  
[https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 4/6/2021

#### ATTACHMENTS:

##### Figures:

Figure 1: Vicinity and Well Head Protection Map  
Figure 2: Surface Water Radius Map  
Figure 3: Site and Sample Location Map  
Figure 4: Deferral Map

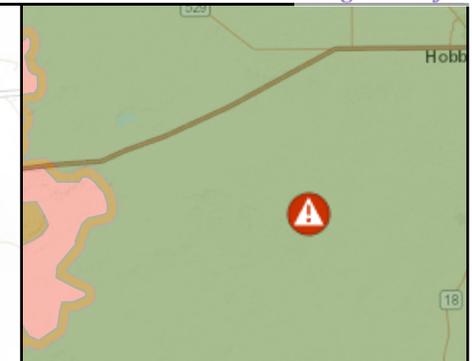
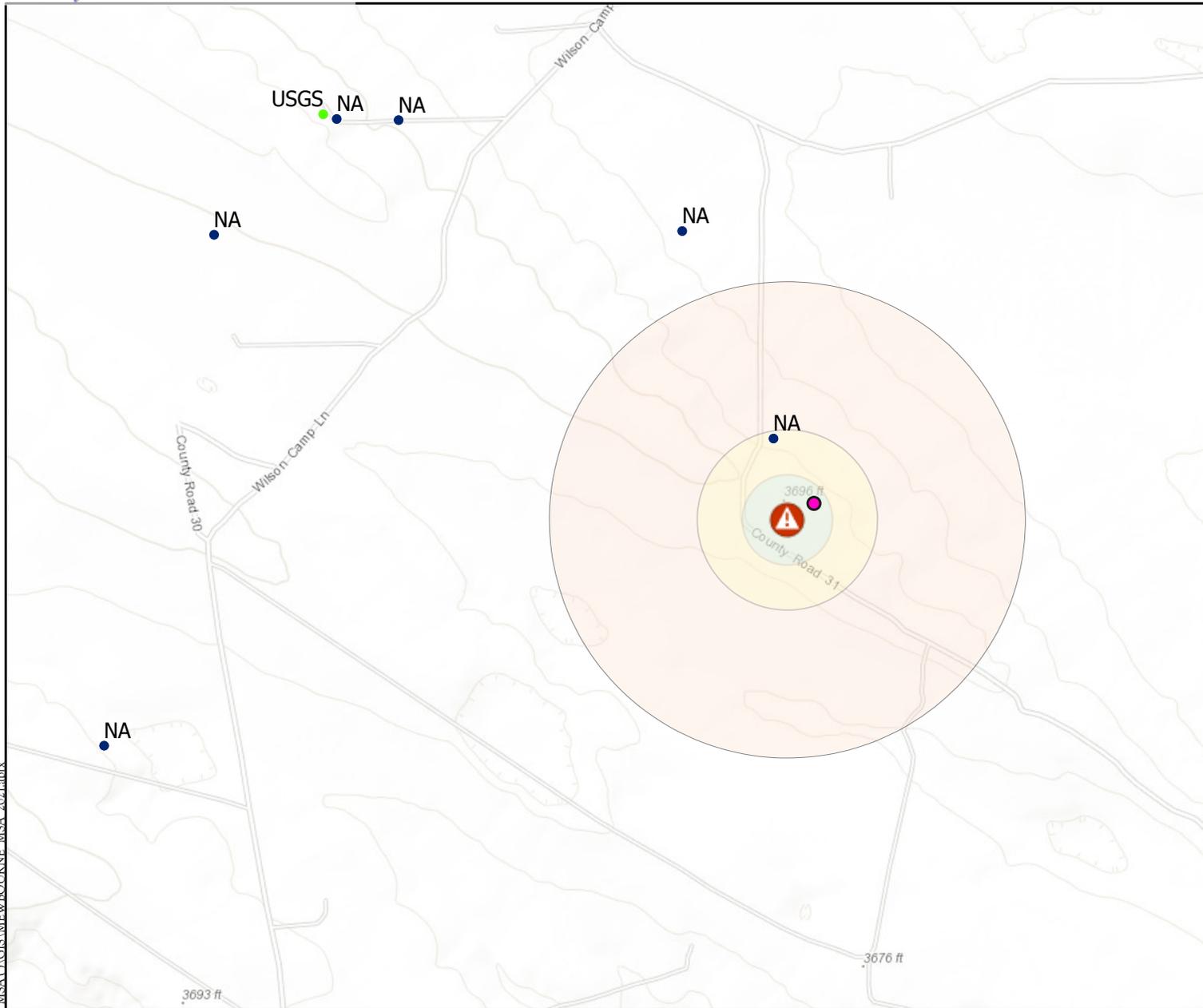
##### Tables:

Table 2: NMOCD Closure Criteria Justification  
Table 3: Summary of Sample Results

##### Appendices:

Appendix A: Form C141  
Appendix B: Water Well Data  
Appendix C: Field Notes  
Appendix D: Laboratory Analytical Reports

# FIGURES



### Karst Potential

- Critical
- High
- Medium
- Low

- OSE Depth to GW
- USGS GW Well
- .5 Mile
- 1000 Feet
- 500 Feet
- ▲ Point of Release

### Sample Locations

- WLB

N

0 500 1,000 2,000 3,000  
Feet

Site Map

Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
Lea County, New Mexico

Figure 1

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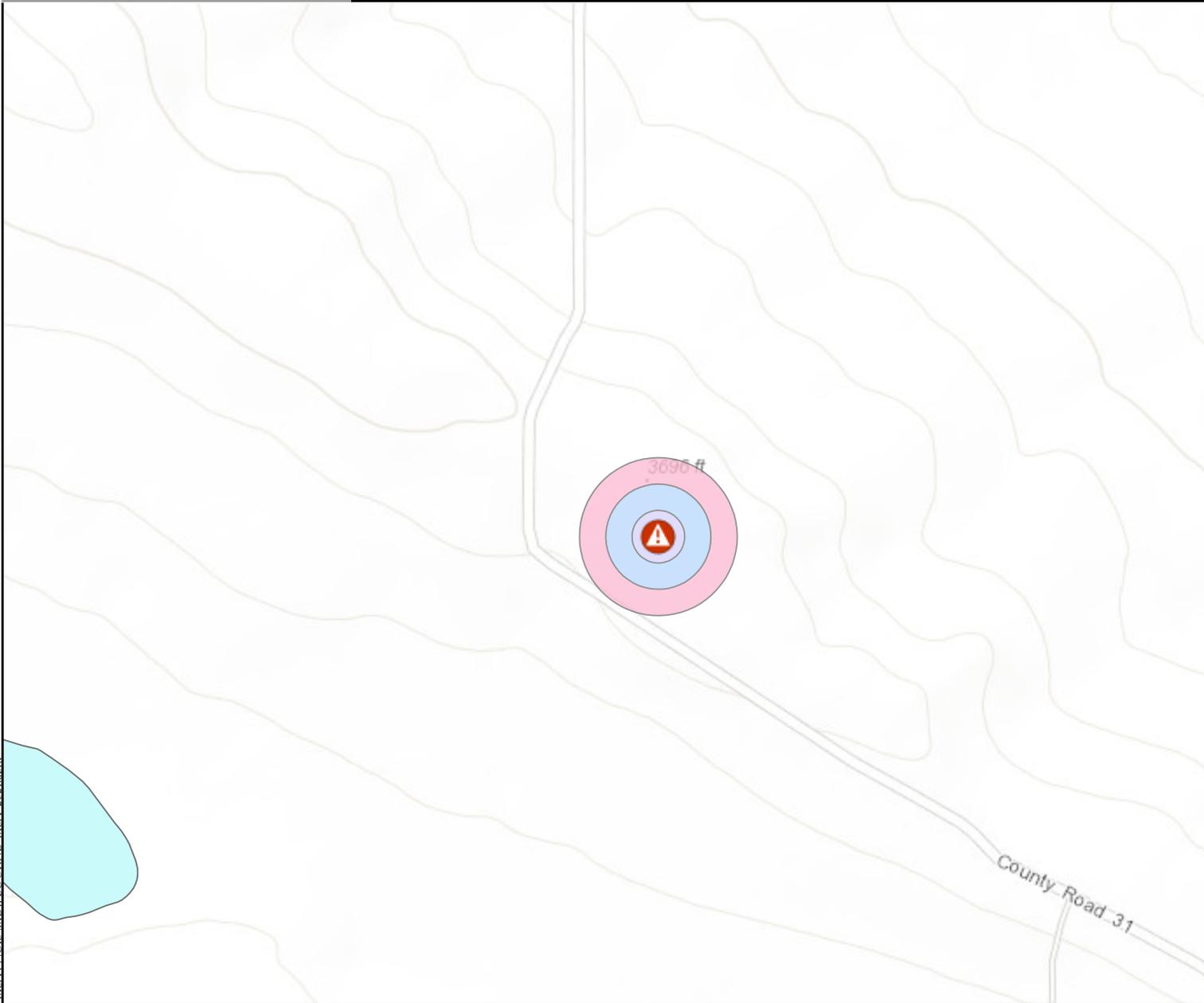
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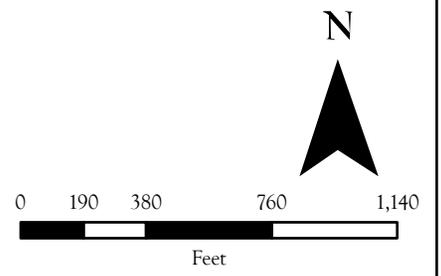
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Date	3/19/2021
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Approved	_____



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- Springs & Seeps
  - Streams & Canals
  - Rivers
  - - - Flowlines SENM
  - NM Wetlands
  - Lakes & Playas
  - FEMA Flood Zones 2011
- Buffer Distance**
- 300 Feet
  - 200 Feet
  - 100 Feet
  - ⚠ Point of Release



Surface Water Protection Map  
 Dolly Varden 25-24 B2ED Sate Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 2

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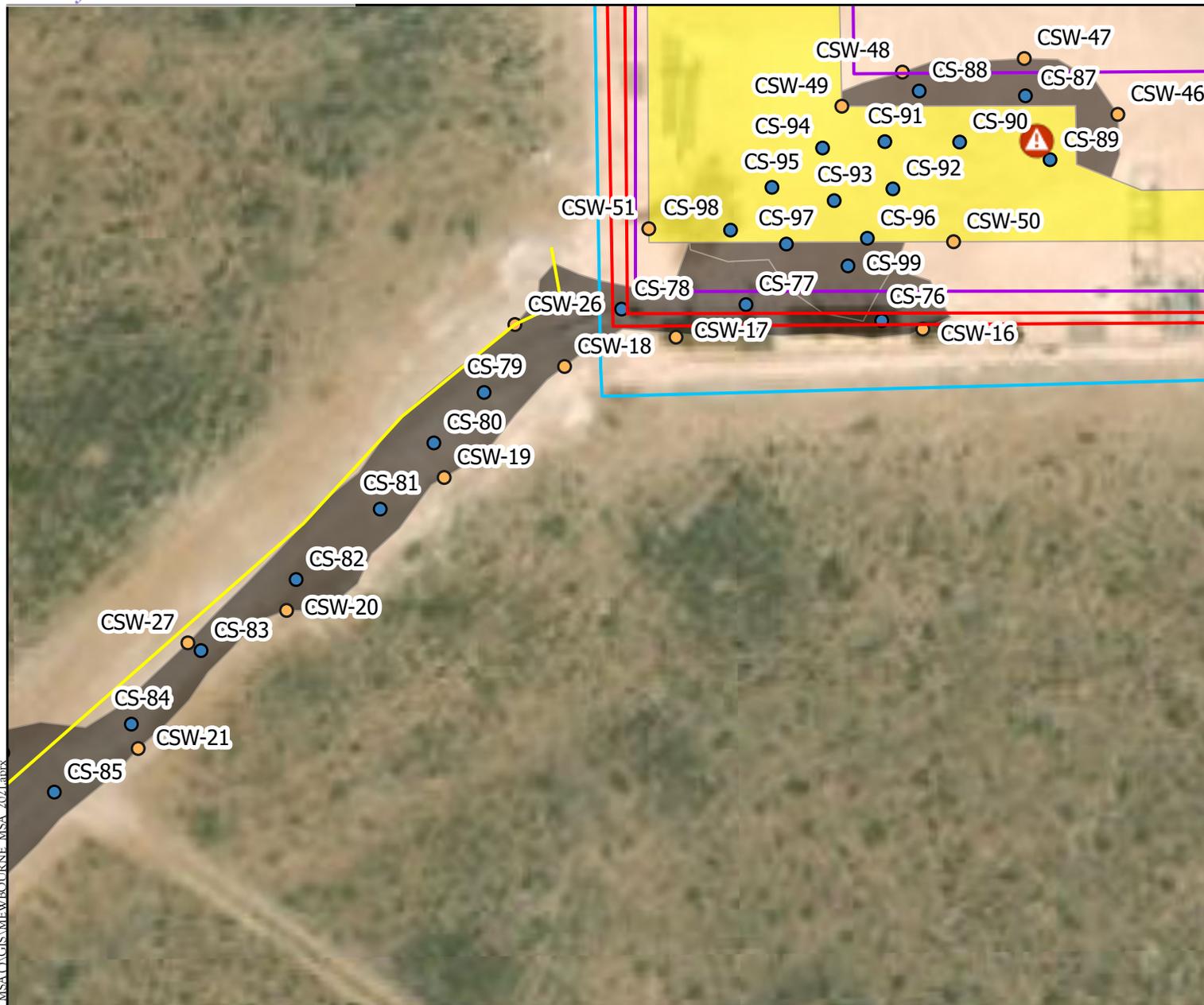
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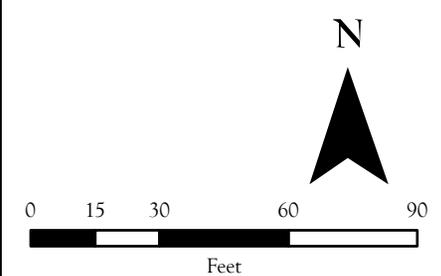
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- Legend
- Point of Release
  - Boundaries**
  - Boundary Type**
  - Equipment
  - <Release Area>
  - Line Features**
  - Other
  - Electrical
  - Gas Line
  - Waterline
  - Sample Locations**
  - Soil Sample
  - SW Sample



Site and Sample Location Map  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 3A

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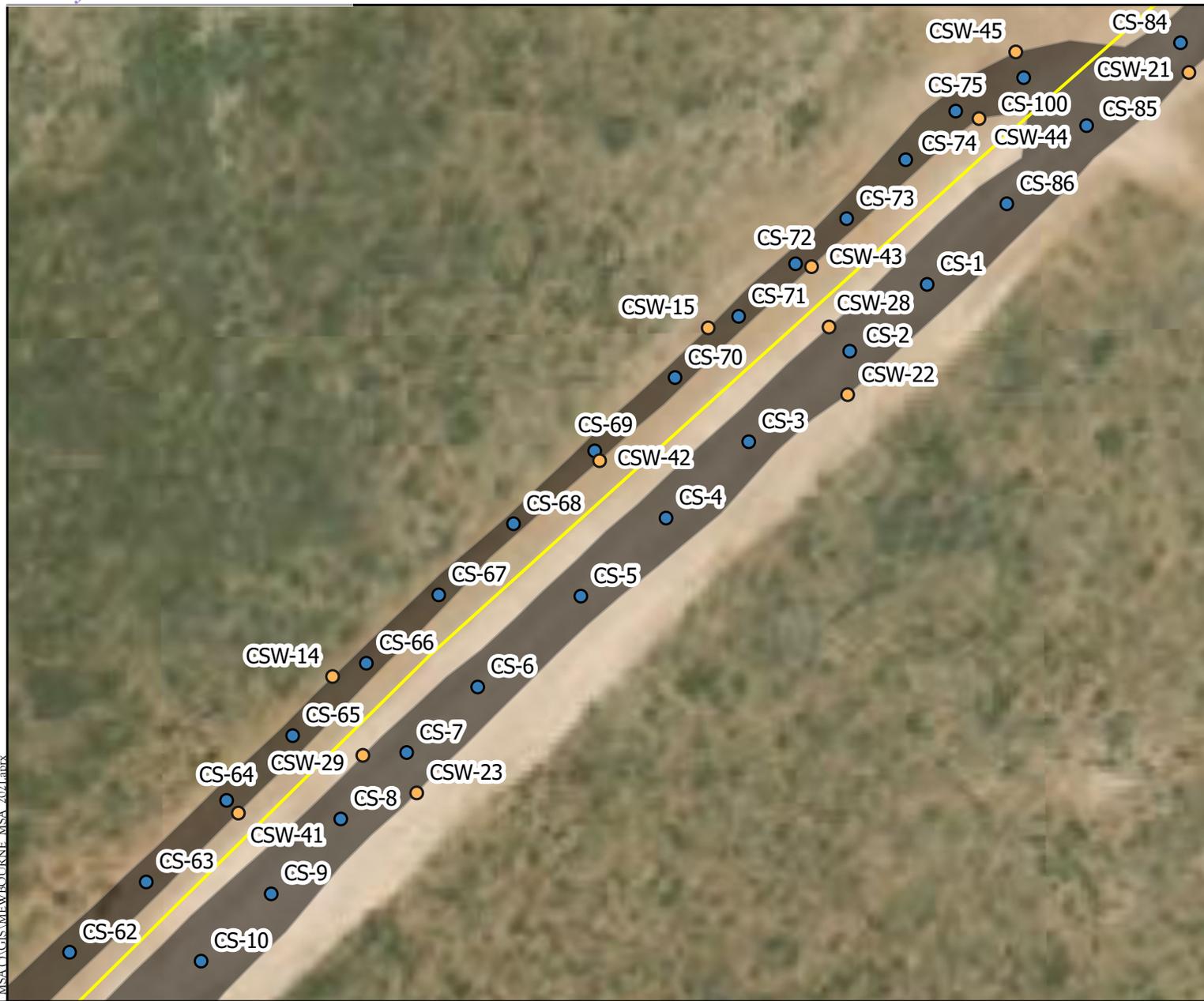
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By: _____	Date: _____	Descr: _____

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**Legend**

- Point of Release

**Boundaries**

**Boundary Type**

- Equipment
- <Release Area>

**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Sample Locations**

- Soil Sample
- SW Sample

N

0 10 20 40 60  
Feet

*Site and Sample Location Map*  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 3B

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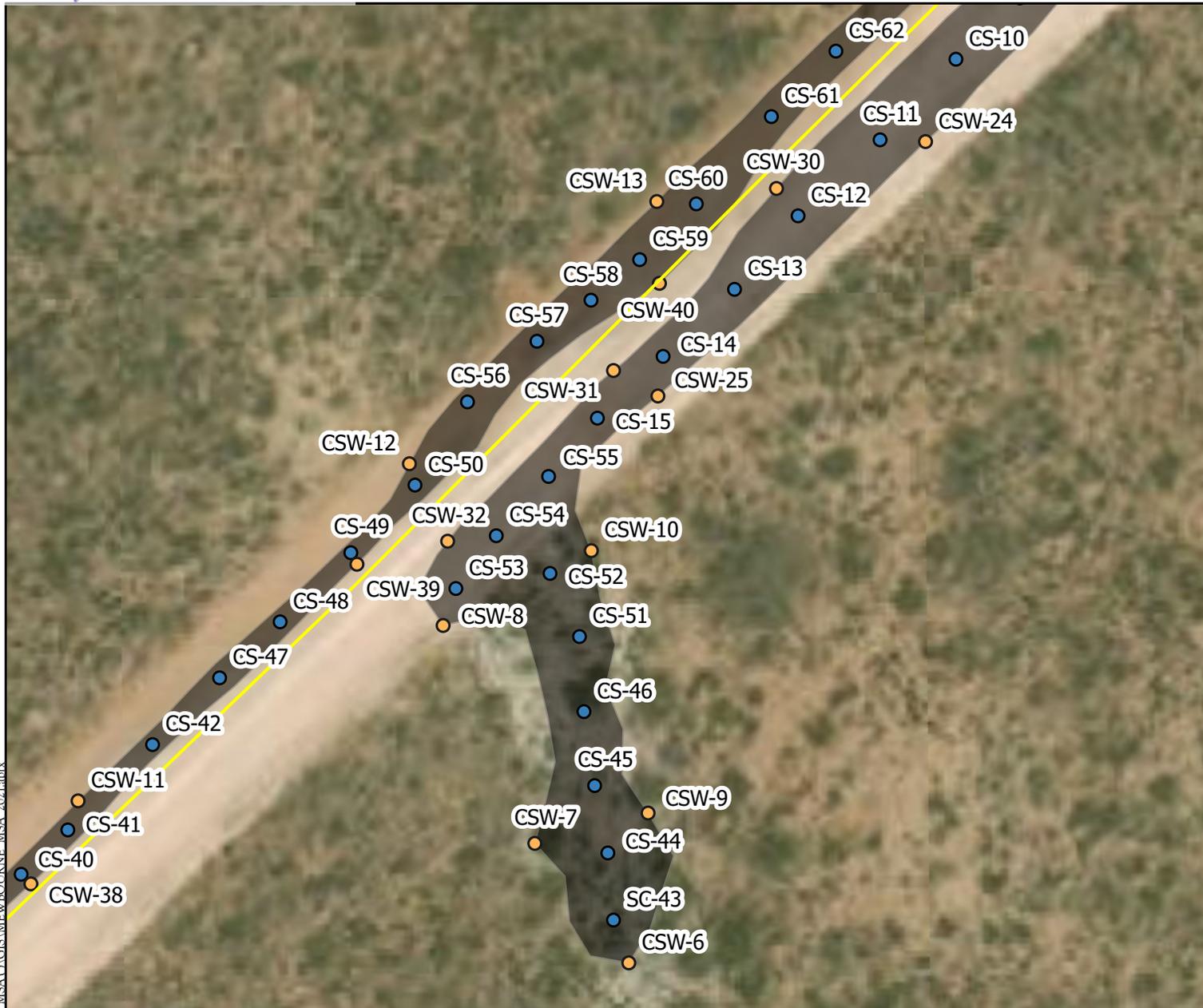
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Legend

- Point of Release

**Boundaries**

**Boundary Type**

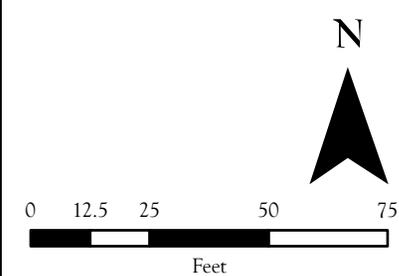
- Equipment
- <Release Area>

**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Sample Locations**

- Soil Sample
- SW Sample



Site and Sample Location Map  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 3C

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By: _____	Date: _____	Descr: _____

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**Legend**

- Point of Release

**Boundaries**

**Boundary Type**

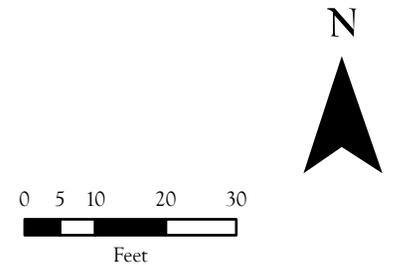
- Equipment
- <Release Area>

**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Sample Locations**

- Soil Sample
- SW Sample



*Site and Sample Location Map*  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 3D

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Legend

- Point of Release

**Boundaries**

**Boundary Type**

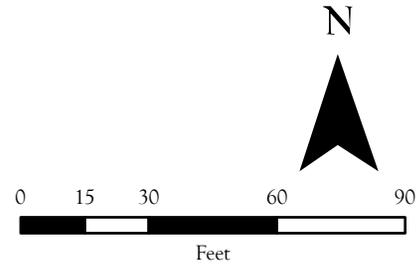
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**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Sample Locations**

- Soil Sample
- SW Sample



Site and Sample Location Map  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 3E

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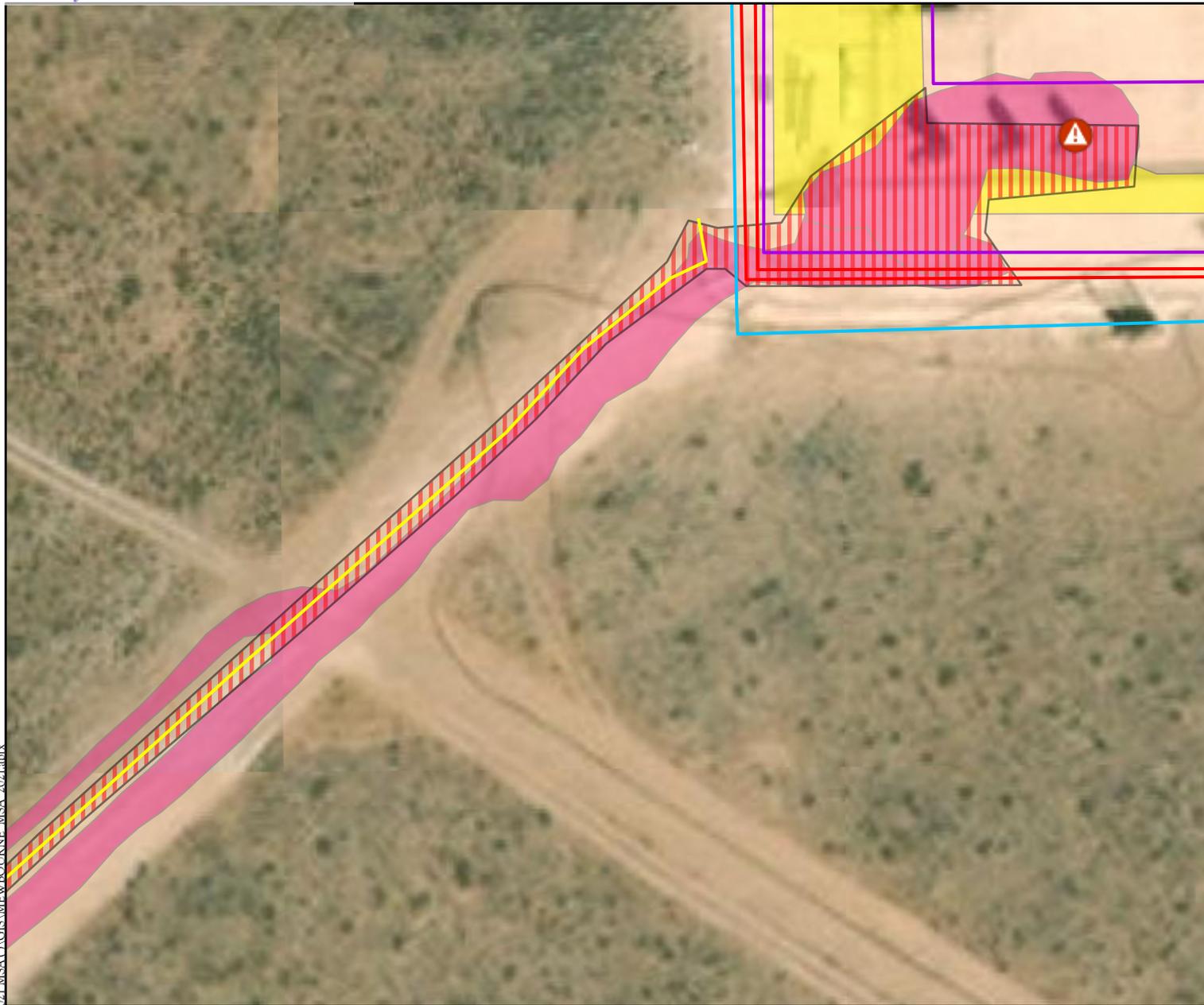
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By: _____	Date: _____	Descr: _____

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Approved	_____



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Legend

- Point of Release

**Boundaries**

**Boundary Type**

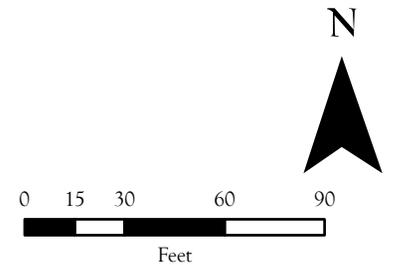
- Equipment
- Release Area

**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Boundaries selection**

- Defferal Area



Site and Sample Location Map  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 4

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Legend

- Point of Release

**Boundaries**

**Boundary Type**

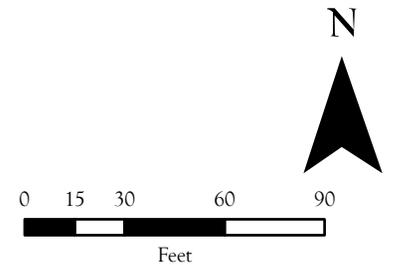
- Equipment
- Release Area

**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Boundaries selection**

- Defferal Area



Site and Sample Location Map  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 4A

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Legend

- Point of Release

**Boundaries**

**Boundary Type**

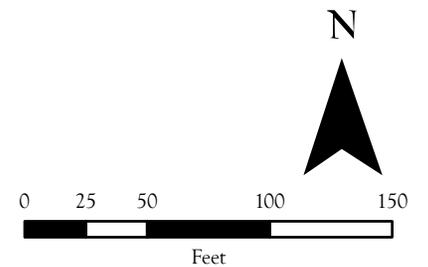
- Equipment
- Release Area

**Line Features**

- Other
- Electrical
- Gas Line
- Waterline

**Boundaries selection**

- Defferal Area



Site and Sample Location Map  
 Dolly Varden 25-24 B2ED State Com #001H, Mewbourne Oil Company  
 Lea County, New Mexico

Figure 4B

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 Date Saved: 4/16/2021

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# TABLES

Table 2:  
NMOCD Closure Criteria

Mewbourne Oil Company  
Dolly Varden 25 24 B2ED State Com #001H

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	51-100	Mewbourne test well
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	>1/2	USGS 7.5 quadrangle
Horizontal Distance to Nearest Significant Watercourse (ft)	2,030	USGS 7.5 quadrangle

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS		600	100		50	10
51' to 100'	X	10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					



Table 3:  
Sample Results

Mewbourne Oil Company  
Dolly Varden 25 24 B2ED State Com #001H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria-Off Pad				50	10	--	--	--	100	600
NMOCD Closure Criteria-On Pad (51-100 ft)				50	10	--	--	--	2,500	10,000
BG	2/16/21	1	NA	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	45.0
	2/16/21	2	NA	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	48.0
	2/16/21	3	NA	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-1	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	90.1
CS-2	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.6
CS-3	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	77.9
CS-4	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	72.8
CS-5	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	43.0
CS-6	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	39.6
CS-7	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	69.2
CS-8	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55.2
CS-9	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	109
CS-10	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	42.7
CS-11	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.2
CS-12	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	33.0
CS-13	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	122
CS-14	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	99.9
CS-15	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	27.8
CS-16	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-17	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55.6
CS-18	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-19	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-20	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-21	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-22	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	51.8	<50.0	51.8	27.2
CS-23	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	38.9	<50.0	38.9	29.2
CS-24	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	29.0	<50.0	29.0	25.5
CS-25	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	39.1	<50.0	39.1	30.4
CS-26	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	41.3	<50.0	41.3	28.6
CS-27	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	72.8
CS-28	2/16/21	1	In-situ	<0.100	<0.0250	<20.0	61.0	<50.0	61.0	37.6
CS-29	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-30	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	35.5
CS-31	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-32	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	31.0
CS-33	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.6
CS-34	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	53.3
CS-35	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-36	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-37	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-38	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0



Table 3:  
Sample Results

Mewbourne Oil Company  
Dolly Varden 25 24 B2ED State Com #001H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria-Off Pad				50	10	--	--	--	100	600
NMOCD Closure Criteria-On Pad (51-100 ft)				50	10	--	--	--	2,500	10,000
CS-39	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<b>47.1</b>	<50.0	<b>47.1</b>	<20.0
CS-40	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>20.2</b>
CS-41	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<b>47.1</b>	<50.0	<b>47.1</b>	<20.0
CS-42	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>22.6</b>
CS-43	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>24.4</b>
CS-44	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>65.1</b>
CS-45	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<b>25.7</b>	<50.0	<b>25.7</b>	<b>37.3</b>
CS-46	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>38.1</b>
CS-47	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<b>49.8</b>	<50.0	<b>49.8</b>	<b>49.8</b>
CS-48	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-49	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<b>36.9</b>	<50.0	<b>36.9</b>	<b>23.1</b>
CS-50	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>73.1</b>
CS-51	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<b>74.1</b>	<50.0	<b>74.1</b>	<b>52.1</b>
CS-52	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<b>89.2</b>	<50.0	<b>89.2</b>	<b>43.5</b>
CS-53	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>64.4</b>
CS-54	2/23/21	1	Excavated	<0.100	<0.0250	<20.0	<b>96.2</b>	<b>56.1</b>	<b>152.3</b>	<b>64.8</b>
RCS-54	3/4/21	1	Excavated	--	--	<20.0	<b>209</b>	<b>135</b>	<b>344</b>	--
CS-54	3/24/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<b>48.0</b>
CS-56	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>21.7</b>
CS-57	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>135</b>
CS-58	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>39.4</b>
CS-59	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<b>64.5</b>	<50.0	<b>64.5</b>	<b>30.6</b>
CS-60	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<b>32.2</b>	<50.0	<b>32.2</b>	<b>35.4</b>
CS-61	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<b>28.8</b>	<50.0	<b>28.8</b>	<b>57.5</b>
CS-62	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>136</b>
CS-63	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>58.3</b>
CS-64	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>34.0</b>
CS-65	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-66	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<b>34.3</b>	<50.0	<b>34.3</b>	<b>54.7</b>
CS-67	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<b>44.3</b>	<50.0	<b>44.3</b>	<b>63.7</b>
CS-68	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>51.0</b>
CS-69	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>38.6</b>
CS-70	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>62.1</b>
CS-71	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>66.4</b>
CS-72	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<b>47.0</b>	<50.0	47.0	<b>107</b>
CS-73	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<b>44.1</b>	<50.0	44.1	<b>111</b>
CS-74	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<b>62.9</b>	<50.0	<b>62.9</b>	<b>134</b>
CS-75	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>90.4</b>



Table 3:  
Sample Results

Mewbourne Oil Company  
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Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria-Off Pad				50	10	--	--	--	100	600
NMOCD Closure Criteria-On Pad (51-100 ft)				50	10	--	--	--	2,500	10,000
CS-76	3/3/21	1	Deferral	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	703
CS-77	3/3/21	1	Deferral	<0.100	<0.0250	<20.0	56.5	<50.0	56.5	11,000
CS-78	3/3/21	1	Deferral	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	14,400
CS-79	3/3/21	1	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	6,990
	3/24/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	112
CS-80	3/3/21	1	Excavated	<0.100	<0.0250	<20.0	154	82.3	236.3	764
	3/3/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	112
CS-81	3/3/21	1	Excavated	<0.100	<0.0250	<20.0	207	117	324	619
	3/24/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	64.0
CS-82	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	35.6	<50.0	35.6	108
CS-83	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	65.2	<50.0	65.2	166
CS-84	3/3/21	1	Excavated	<0.100	<0.0250	<20.0	128	86.0	214	416
	3/24/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
CS-85	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	77.2	<50.0	77.2	243
CS-86	3/3/21	2	In-situ	<0.100	<0.0250	<20.0	75.6	<50.0	75.6	86.3
CS-87	3/3/21	2	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS-88	3/3/21	0.5	In-situ	<0.100	<0.0250	<20.0	<25.0	50.5	50.5	<20.0
CS-89	3/3/21	0.5	Deferral	112.32	2.02	770	24,600	18,500	43,870	10,200
CS-90	3/3/21	0.5	Deferral	86.57	0.270	668	13,100	9,040	22,808	12,100
CS-91	3/3/21	0.5	Deferral	62.3	<0.0250	529	13,000	9,400	22,929	21,300
CS-92	3/3/21	0.5	Deferral	101.99	0.890	683	15,800	1,100	17,583	39,500
CS-93	3/3/21	0.5	Deferral	<0.100	<0.0250	<20.0	3,010	2,360	5,370	4,920
CS-94	3/3/21	0.5	Deferral	0.5315	<0.0250	48.8	6,450	8,230	14,729	1,580
CS-95	3/4/21	0.5	Deferral	14.29	<0.0250	<20.0	6,330	5,740	12,070	8,190
CS-96	3/4/21	0.5	Deferral	0.107	<0.0250	<20.0	664	411	1,075	9,210
CS-97	3/4/21	0.5	Deferral	0.8905	<0.0250	<20.0	4,920	3,800	8,720	13,200
CS-98	3/4/21	1	In-situ	<0.100	<0.0250	<20.0	27.6	52.9	80.5	1,930
CS-99	3/4/21	0.5	In-situ	<0.100	<0.0250	<20.0	49.0	77.5	126.5	5,070
CS-100	3/4/21	1	Excavated	<0.100	<0.0250	<20.0	219	217	436	62.5
	3/24/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
CSW1	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW2	2/19/21	1	Excavated	<0.100	<0.0250	<20.0	44.7	63.9	108.6	<20.0
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
CSW3	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW4	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW5	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW6	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	71.1



Table 3:  
Sample ResultsMewbourne Oil Company  
Dolly Varden 25 24 B2ED State Com #001H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria-Off Pad				50	10	--	--	--	100	600
NMOCD Closure Criteria-On Pad (51-100 ft)				50	10	--	--	--	2,500	10,000
CSW7	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW8	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW9	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<b>32.6</b>	<50.0	<b>32.6</b>	<b>36.9</b>
CSW10	2/23/21	1	Excavated	<0.100	<0.0250	<20.0	<b>116</b>	<b>70.1</b>	<b>186.1</b>	<b>50.8</b>
RCSW10	3/4/21	1	Excavated	--	--	<20.0	<b>165</b>	<b>109</b>	<b>274</b>	--
CSW-10	3/24/21	1	In-situ	<0.300	<0.050	<10.0	< <b>10.0</b>	< <b>10.0</b>	< <b>30.0</b>	<b>48.0</b>
CSW11	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<b>45.0</b>	<50.0	<b>45.0</b>	<20.0
CSW12	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>41.4</b>
CSW13	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>36.3</b>
CSW14	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<b>48.3</b>	<50.0	<b>48.3</b>	<b>52.4</b>
CSW15	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW16	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>60.3</b>
CSW17	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>166</b>
CSW18	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>120</b>
CSW19	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>69.3</b>
CSW20	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>21.1</b>
CSW21	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>32.1</b>
CSW22	3/3/21	1	Excavated	<0.100	<0.0250	<20.0	<b>200</b>	<b>85.1</b>	<b>285.1</b>	<b>185</b>
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<b>32.0</b>
CSW23	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>55.0</b>
CSW24	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<b>30.9</b>	<b>51.0</b>	<b>81.9</b>	<b>59.0</b>
CSW25	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW26	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	<b>53.4</b>	<b>82.7</b>	<b>136.1</b>	<b>4,890</b>
CSW27	3/2/21	1	Deferral	<b>2.594</b>	<0.0250	<b>34.0</b>	<b>797</b>	<b>265</b>	<b>1,096</b>	<b>2,170</b>
CSW28	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	<b>458</b>	<b>191</b>	<b>649</b>	<b>339</b>
CSW29	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	<b>954</b>	<b>398</b>	<b>1,352</b>	<b>3,910</b>
CSW30	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>123</b>
CSW31	3/2/21	1	Deferral	<b>79.03</b>	<0.0250	<b>470</b>	<b>14,100</b>	<b>6,740</b>	<b>21,310</b>	<b>1,290</b>
CSW32	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<b>53.3</b>	<50.0	<b>53.3</b>	<b>25.9</b>
CSW33	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW34	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>20.1</b>
CSW35	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>72.2</b>
CSW36	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW37	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>56.2</b>
CSW38	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	<b>209</b>	<b>104</b>	<b>313</b>	<b>27.8</b>
CSW39	3/2/21	1	Deferral	<b>28.52</b>	<0.0250	<b>225</b>	<b>6,670</b>	<b>1,806</b>	<b>8,701</b>	<b>75.1</b>
CSW40	3/2/21	1	Deferral	<b>39.1652</b>	<b>0.0352</b>	<b>246</b>	<b>7,080</b>	<b>2,360</b>	<b>9,686</b>	<b>1,880</b>



Table 3:  
Sample ResultsMewbourne Oil Company  
Dolly Varden 25 24 B2ED State Com #001H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria-Off Pad				50	10	--	--	--	100	600
NMOCD Closure Criteria-On Pad (51-100 ft)				50	10	--	--	--	2,500	10,000
CSW41	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>76.6</b>
CSW42	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<b>27.1</b>	<50.0	<b>27.1</b>	<b>28.9</b>
CSW43	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>54.2</b>
CSW44	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	<b>54.3</b>	<b>50.3</b>	<b>104.6</b>	<b>207</b>
CSW45	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<b>126</b>	<b>74.1</b>	<b>200.1</b>	<b>121</b>
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<b>48.0</b>
CSW46	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>269</b>
CSW47	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CSW48	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<b>61.8</b>	<b>61.8</b>	<b>282</b>
CSW49	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>1,170</b>
CSW50	3/4/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<b>353</b>
CSW51	3/4/21	1	Excavated	<0.100	<0.0250	<20.0	<b>66.2</b>	<b>133</b>	<b>199.2</b>	<b>386</b>
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<b>32.0</b>

"--" = Not Analyzed

BG: Background sample





TABLE 3.1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY  
DOLLY VARDEN 25-24 B2ED ST COM #1H BATTERY  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAPP2104059237

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/Kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/Kg)	GRO+ DRO (mg/kg)	MRO C <sub>28</sub> -C <sub>36</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
Remediation Walls																	
CWS - 26 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	24.3	24.3	15.8	40	272
CWS - 27 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	123	123	54.9	178	272
CWS - 27 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 28 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	3760	3760	898	<b>4,658</b>	<b>608</b>
CWS - 28 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CWS - 29 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	909	909	393	<b>1,302</b>	528
CWS - 29 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 31 W @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>720</b>
CWS - 31 W @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 38 E @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CWS - 39 S @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	17.5	17.5	<10.0	17.5	48.0
CWS - 40 E @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	923	923	384	<b>1,307</b>	544
CWS - 40 E @ 6"	6"	4/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CWS - 44 E @ 6"	6"	3/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

Concentrations in **BOLD** exceed the NMOCD Closure Limit

# APPENDIX A FORM C141

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NAPP2104059237
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Mewbourne Oil Company	OGRID 14744
Contact Name Robbie Runnels	Contact Telephone 575-393-5905
Contact email rrunnels@mewbourne.com	Incident # (assigned by OCD)
Contact mailing address P.O. Box 5270, Hobbs, NM 88241	

### Location of Release Source

Latitude 32.450093

Longitude -103.430842  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dolly Varden 25/24 B2ED St Com #1H	Site Type: Production
Date Release Discovered 2/7/2021	API# (if applicable) 30-025-45400

Unit Letter	Section	Township	Range	County
E	25	21S	34E	Lea

Surface Owner:  State  Federal  Tribal  Private

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 100	Volume Recovered (bbls) 10
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: An independent contractor flowback hand improperly switched oil production into an out of service heater treater. Oil escaped from the out of service heater treater.

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2104059237
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was larger than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given to Cristina Eads on 2/8/2021 at 7:45 by email from Robbie Runnels.	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: N/A
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Robbie Runnels</u> Title: <u>Environmental Specialist</u>  Signature:  Date: <u>2/8/2021</u>  email: <u>rrunnels@mewbourne.com</u> Telephone: <u>575-393-5905</u>
<b><u>OCD Only</u></b>  Received by: <u>Ramona Marcus</u> Date: <u>2/17/2021</u>

# APPENDIX B

## WATER WELL DATA



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 00092 POD1</a>	CP	LE		1	3	1	25	21S	34E	647479	3591694*	244	196		
<a href="#">CP 01801 POD1</a>	CP	LE		3	3	1	30	21S	35E	649052	3591562	1495	140	48	92
<a href="#">CP 01805 POD1</a>	CP	LE		3	1	3	30	21S	35E	649025	3591127	1503	140	50	90

Average Depth to Water: **49 feet**  
Minimum Depth: **48 feet**  
Maximum Depth: **50 feet**

**Record Count:** 3

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 647559.86

**Northing (Y):** 3591463.61

**Radius:** 1608

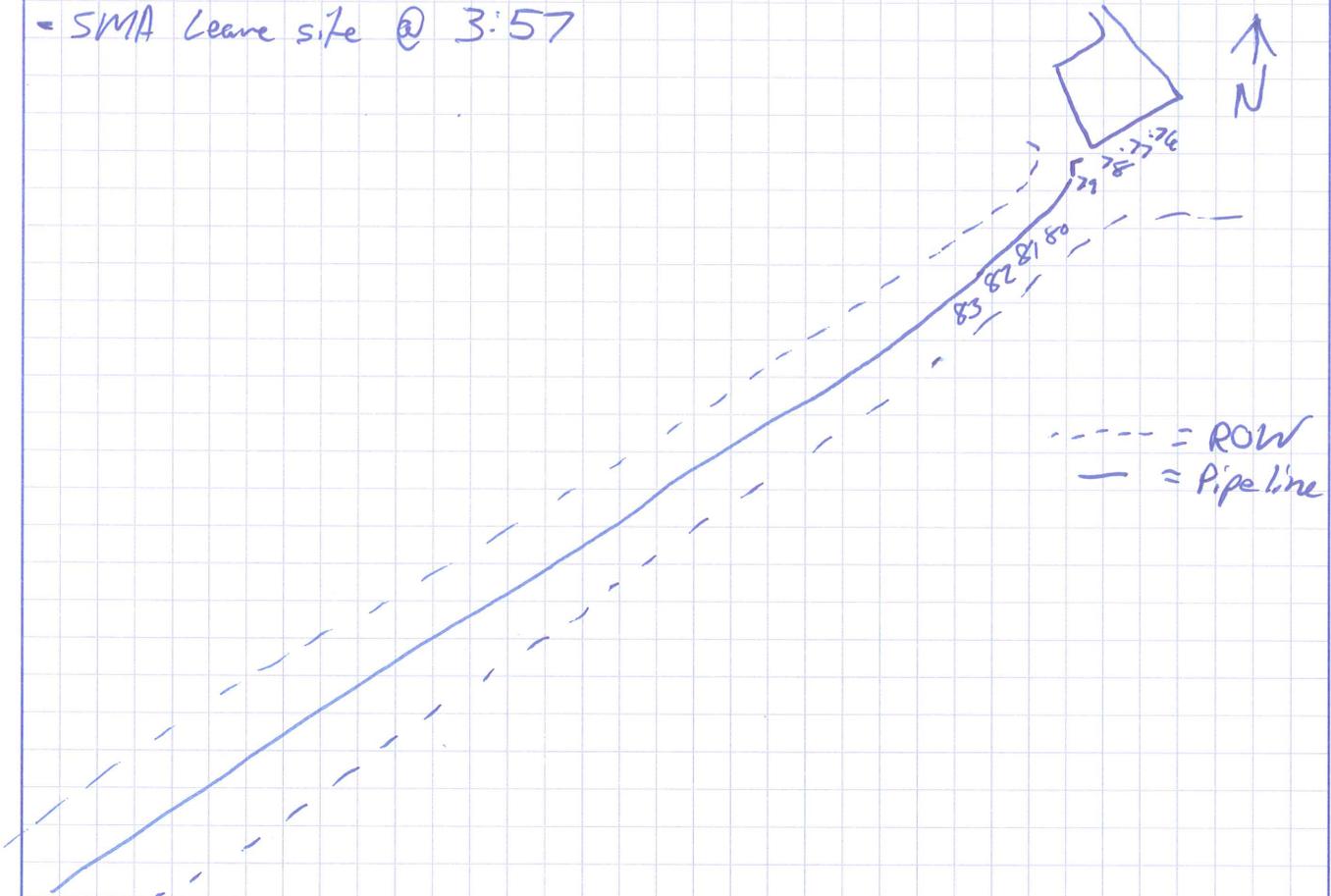
\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

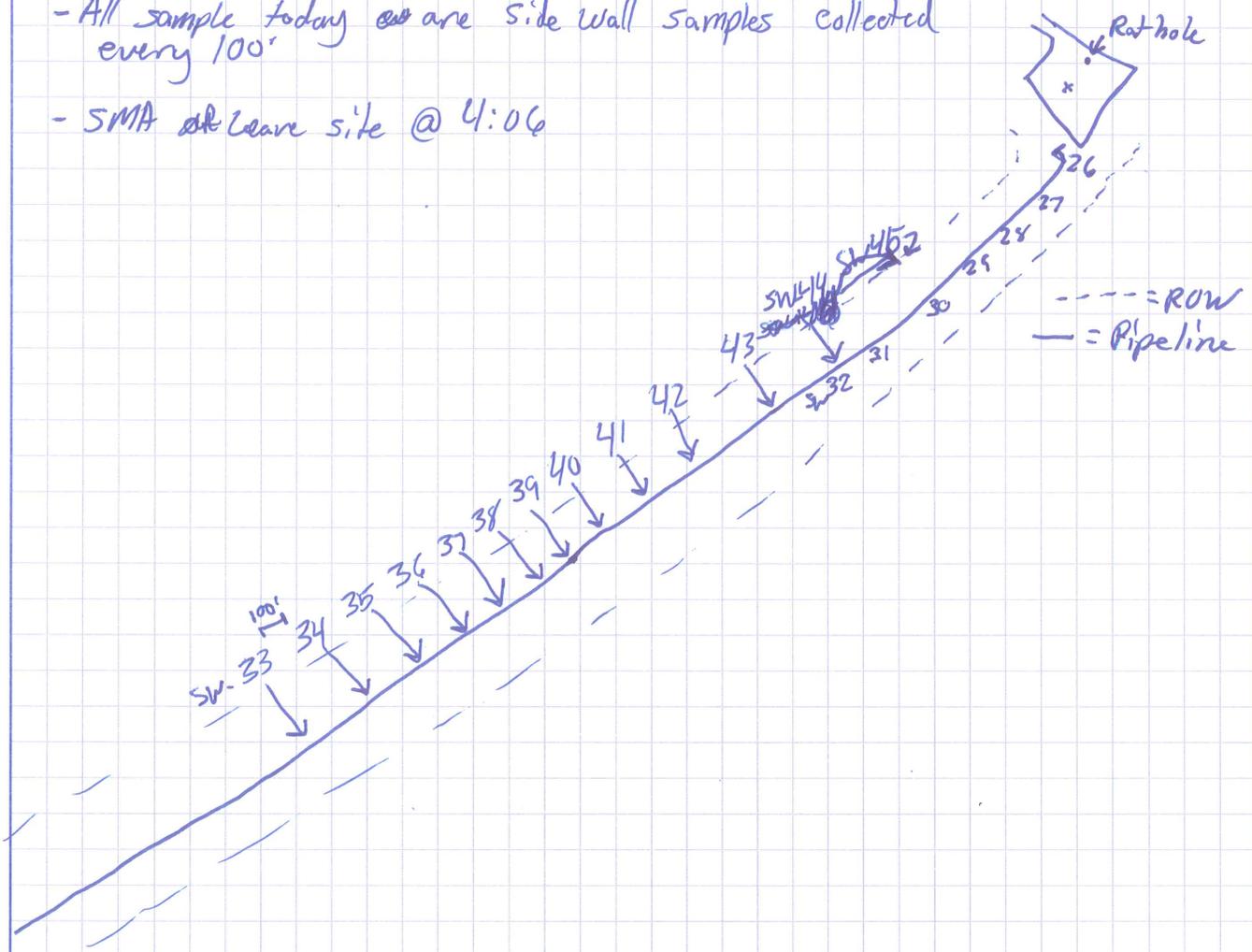
SUBJECT Dolly Varden 25-24 PROJECT \_\_\_\_\_ PAGE \_\_\_\_\_  
 CLIENT Mewbourne DATE 2-26-21 BY NG

CHECKED \_\_\_\_\_ BY \_\_\_\_\_

- SMA on site @ 7:50
- Fill out JSA
- Discuss Project with Robbie.
- Diamondback is on site with JD-210G Trackhoe, JD-624K Loader, 4- belly dumps
- Diamondback is excavating and hauling contaminated soil to Sundance Pit.
- IPS is hydrovacuicing contaminated soil around equipment.
- SMA is field screening soil to guide excavation
- # of loads hauled off today ~~11~~ 11 11 11 11 (20)
- Rat hole Rig is drilling hole on pad to determine depth to GWS
- SMA Leave site @ 3:57



- SMA Arrive on site @ 7:39
- Fill out JSA
- Sound rat hole on pad for depth to groundwater  
hole depth = 55' Wt = dry @ 55'
- Diamondback is loading contaminated soil and hauling to Sundance
- IPS is hydrofracking along pipeline
- SMA is collecting soil samples
- Diamondback has 4 belly dumps running today.
- # of loads hauled off ~~111~~ ~~111~~ ~~111~~ (13)
- All sample today ~~are~~ are side wall samples collected every 100'
- SMA ~~at~~ leave site @ 4:06



# APPENDIX C FIELD NOTES











## Field Screening

Location Name:

Dolly Varden 25/24

Date:

2-19-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
CS-31		-1'				62.8	
CS-32		-1'				63.4	
CS-33		-1'				61.6	
CS-34		-1'				8.3	
CS-35		-1'				<del>89.1</del> 64.2	
CS-36		-1'				70.2	
CS-37		-1'				89.1	
CS-38		-1'				1.5	
CS-39		-1'				35.5	
CS-40		-1'				2.3	
CS-31A		-1'				7.4	
CS-32A		-1'				1.0	
CS-33A		-1'				3.7	
CS-34A		-1'				0.8	
CS-35A		-1'				1.6	
CS-36A		-1'				10.2	
CS-37A		-1'				2.7	
CS-41		-1'				10.2	
CS-42		-1'				4.6	
CS-29 A		-1'				0.8	
CS-30 A		-1'				1.0	
CS-20A		-1'				1.3	
CS-19A		-1'				1.2	
CS-18A		-1'				38.3	



























☉ 77°NE (T) ● 32.450015, -103.430907 ±3 m ▲ 1105 m





















# APPENDIX D

## LABORATORY ANALYTICAL REPORTS

Report to:  
Ashley Maxwell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Dolly Varden 25/24

Work Order: E102064

Job Number: 19026-0001

Received: 2/22/2021

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/25/21

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 2/25/21

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Dolly Varden 25/24  
Workorder: E102064  
Date Received: 2/22/2021 9:45:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2021 9:45:00AM, under the Project Name: Dolly Varden 25/24.

The analytical test results summarized in this report with the Project Name: Dolly Varden 25/24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS-1 (-1')	6
CS-2 (-1')	7
CS-3 (-1')	8
CS-4 (-1')	9
CS-5 (-1')	10
CS-6 (-1')	11
CS-7 (-1')	12
CS-8 (-1')	13
CS-9 (-1')	14
CS-10 (-1')	15
CS-16 (-1')	16
CS-17 (-1')	17
CS-21 (-1')	18
CS-22 (-1')	19
CS-23 (-1')	20
CS-24 (-1')	21
CS-25 (-1')	22
CS-26 (-1')	23
CS-27 (-1')	24
CS-28 (-1')	25

## Table of Contents (continued)

CS-11 (-1')	26
CS-12 (-1')	27
CS-13 (-1')	28
CS-14 (-1')	29
CS-15 (-1')	30
QC Summary Data	31
QC - Volatile Organics by EPA 8021B	31
QC - Nonhalogenated Organics by EPA 8015D - GRO	33
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	35
QC - Anions by EPA 300.0/9056A	37
Definitions and Notes	39
Chain of Custody etc.	40

## Sample Summary

Souder Miller Associates - Carlsbad  
201 S Halagueno St.  
Carlsbad NM, 88220

Project Name: Dolly Varden 25/24  
Project Number: 19026-0001  
Project Manager: Ashley Maxwell

**Reported:**  
02/25/21 13:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1 (-1')	E102064-01A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-2 (-1')	E102064-02A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-3 (-1')	E102064-03A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-4 (-1')	E102064-04A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-5 (-1')	E102064-05A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-6 (-1')	E102064-06A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-7 (-1')	E102064-07A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-8 (-1')	E102064-08A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-9 (-1')	E102064-09A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-10 (-1')	E102064-10A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-16 (-1')	E102064-11A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-17 (-1')	E102064-12A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-21 (-1')	E102064-13A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-22 (-1')	E102064-14A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-23 (-1')	E102064-15A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-24 (-1')	E102064-16A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-25 (-1')	E102064-17A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-26 (-1')	E102064-18A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-27 (-1')	E102064-19A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-28 (-1')	E102064-20A	Soil	02/18/21	02/22/21	Glass Jar, 4 oz.
CS-11 (-1')	E102064-21A	Soil	02/16/21	02/22/21	Glass Jar, 4 oz.
CS-12 (-1')	E102064-22A	Soil	02/17/21	02/22/21	Glass Jar, 4 oz.
CS-13 (-1')	E102064-23A	Soil	02/17/21	02/22/21	Glass Jar, 4 oz.
CS-14 (-1')	E102064-24A	Soil	02/17/21	02/22/21	Glass Jar, 4 oz.
CS-15 (-1')	E102064-25A	Soil	02/17/21	02/22/21	Glass Jar, 4 oz.



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-1 (-1')**

**E102064-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/22/21	
Toluene	ND	0.0250	1	02/22/21	02/22/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/22/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/22/21	
o-Xylene	ND	0.0250	1	02/22/21	02/22/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/22/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/22/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	<b>90.1</b>	20.0	1	02/22/21	02/23/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-2 (-1')**

**E102064-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/22/21	
Toluene	ND	0.0250	1	02/22/21	02/22/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/22/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/22/21	
o-Xylene	ND	0.0250	1	02/22/21	02/22/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/22/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/22/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	36.6	20.0	1	02/22/21	02/23/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-3 (-1')**

**E102064-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/22/21	
Toluene	ND	0.0250	1	02/22/21	02/22/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/22/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/22/21	
o-Xylene	ND	0.0250	1	02/22/21	02/22/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/22/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/22/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		94.7 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	77.9	20.0	1	02/22/21	02/23/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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CS-4 (-1')

E102064-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/22/21	
Toluene	ND	0.0250	1	02/22/21	02/22/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/22/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/22/21	
o-Xylene	ND	0.0250	1	02/22/21	02/22/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/22/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/22/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	02/22/21	02/22/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		99.2 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	72.8	20.0	1	02/22/21	02/23/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-5 (-1')**

**E102064-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	43.0	20.0	1	02/22/21	02/23/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-6 (-1')**

**E102064-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		98.6 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	39.6	20.0	1	02/22/21	02/24/21	



## Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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CS-7 (-1')

E102064-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	69.2	20.0	1	02/22/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-8 (-1')**

**E102064-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	55.2	20.0	1	02/22/21	02/24/21	



### Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Dolly Varden 25/24 Project Number: 19026-0001 Project Manager: Ashley Maxwell	<b>Reported:</b> 2/25/2021 1:36:23PM
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**CS-9 (-1')**

**E102064-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Benzene	ND	0.0250	1	02/22/21	02/23/21	
Toluene	ND	0.0250	1	02/22/21	02/23/21	
Ethylbenzene	ND	0.0250	1	02/22/21	02/23/21	
p,m-Xylene	ND	0.0500	1	02/22/21	02/23/21	
o-Xylene	ND	0.0250	1	02/22/21	02/23/21	
Total Xylenes	ND	0.0250	1	02/22/21	02/23/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.8 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2109006
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/21	02/23/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	02/22/21	02/23/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2109007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/21	02/23/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/22/21	02/23/21	
<i>Surrogate: n-Nonane</i>						
		98.4 %	50-200	02/22/21	02/23/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	109	20.0	1	02/22/21	02/24/21	



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 133616

**CONDITIONS**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 133616
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Deferral Approved.	8/15/2022