

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:
2/25/2021 1:36:23PM

CS-10 (-1')

E102064-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2109011	
Chloride	42.7	20.0	1	02/22/21	02/24/21	



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Carlsbad NM, 88220

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

Reported:
2/25/2021 1:36:23PM

CS-16 (-1')

E102064-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	ND	20.0	1	02/22/21	02/24/21	



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Carlsbad NM, 88220

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

Reported:
2/25/2021 1:36:23PM

CS-17 (-1')

E102064-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	55.6	20.0	1	02/22/21	02/24/21	



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2/25/2021 1:36:23PM

CS-21 (-1')

E102064-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	27.2	20.0	1	02/22/21	02/24/21	



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2/25/2021 1:36:23PM

CS-23 (-1')

E102064-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	29.2	20.0	1	02/22/21	02/24/21	



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Project Manager: Ashley Maxwell

Reported:
2/25/2021 1:36:23PM

CS-24 (-1')

E102064-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	25.5	20.0	1	02/22/21	02/24/21	



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Carlsbad NM, 88220

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

Reported:
2/25/2021 1:36:23PM

CS-25 (-1')

E102064-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	30.4	20.0	1	02/22/21	02/24/21	



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201 S Halagueno St.
Carlsbad NM, 88220

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

Reported:
2/25/2021 1:36:23PM

CS-26 (-1')

E102064-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	28.6	20.0	1	02/22/21	02/24/21	



Sample Data

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

Reported:
2/25/2021 1:36:23PM

CS-27 (-1')

E102064-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2109011	
Chloride	72.8	20.0	1	02/22/21	02/24/21	



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2/25/2021 1:36:23PM

CS-28 (-1')

E102064-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2109011
Chloride	37.6	20.0	1	02/22/21	02/24/21	



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2/25/2021 1:36:23PM

CS-11 (-1')

E102064-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/25/2021 1:36:23PM

CS-12 (-1')

E102064-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/25/2021 1:36:23PM

CS-13 (-1')

E102064-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/25/2021 1:36:23PM

CS-14 (-1')

E102064-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/25/2021 1:36:23PM

CS-15 (-1')

E102064-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25/24	Reported: 2/25/2021 1:36:23PM
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2021 1:36:23PM

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2021 1:36:23PM

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2021 1:36:23PM

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2021 1:36:23PM

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: n-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: n-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: n-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: n-Nonane	44.8		50.0		89.6	50-200			



QC Summary Data

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

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: n-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: n-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: n-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: n-Nonane	36.2		50.0		72.3	50-200			



QC Summary Data

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

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/25/2021 1:36:23PM

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	Reported:
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.

Project Information

Chain of Custody

Page 1 of 3

Client: <u>SMA - Carlsbad</u>				Bill To				Lab Use Only				5-Day				EPA Program			
Project: <u>Dolly Varden 25/24</u>				Attention: <u>SMA/Mawbourne</u>				Lab WO# <u>PE10200A-190260001</u>				Job Number <u>Am 2/22/21</u>				TAT			
Project Manager: <u>Ashley Maxwell</u>				Address:												1D 3D RCRA CWA SDWA			
Address:				City, State, Zip												Analysis and Method			
City, State, Zip				Phone:												State			
Phone:				Email:												NM CO UT AZ			
Email: <u>Ashley</u>				Report due by:												TX OK			
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				
	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:

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)	Date	Time	Received by: (Signature)	Date	Time
<u>Not Given</u>	2/19	1:15pm	<u>[Signature]</u>	2-19-21	1:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	2-19-21	1650	<u>[Signature]</u>	2-22-21	9:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only		
Received on ice:	Y <input checked="" type="radio"/> N	
T1	T2	T3
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.

Project Information

Chain of Custody

Page 2 of 3

Client: <u>SMA - Carlsbad</u>					Bill To					5-Day				
Project: <u>Dolly Garden 25/24</u>					Attention: <u>SMA / Mewbourne</u>					Lab Use Only				
Project Manager: <u>Ashley Maxwell</u>					Address:					Lab WO# <u>PE 102004</u> Job Number <u>190260001</u>				
Address:					City, State, Zip					TAT				
City, State, Zip					Phone:					1D 3D RCRA CWA SDWA				
Email: <u>Ashley</u>					Email:					Analysis and Method				
Report due by:										State				
										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	
	<u>2/18</u>	<u>S</u>	<u>1</u>	<u>CS-16 (-1')</u>	<u>11</u>							<u>X</u>		
				<u>CS-17 (-1')</u>	<u>12</u>									
				<u>CS-21 (-1')</u>	<u>13</u>									
				<u>CS-22 (-1')</u>	<u>14</u>									
				<u>CS-23 (-1')</u>	<u>15</u>									
				<u>CS-24 (-1')</u>	<u>16</u>									
				<u>CS-25 (-1')</u>	<u>17</u>									
				<u>CS-26 (-1')</u>	<u>18</u>									
				<u>CS-27 (-1')</u>	<u>19</u>									
				<u>CS-28 (-1')</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 mislabeling 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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only						
<u>Nate Carr</u>		<u>2/19</u>	<u>1:15pm</u>	<u>[Signature]</u>		<u>2.19.21</u>	<u>1315</u>	Received on ice: <u>Y</u> N						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3						
<u>[Signature]</u>		<u>2.19.21</u>	<u>1650</u>	<u>[Signature]</u>		<u>2.22.21</u>	<u>9:45</u>							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>						
<u>[Signature]</u>				<u>[Signature]</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.														


envirotech
 Analytical Laboratory

5795 US Highway 34, Farmington, NY 13740
 24-Hour Emergency Response Phone: (505) 552-1273

Ph: (505) 552-1351 Fax: (505) 552-1655

envirotech-inc.com
labadmin@envirotech-inc.com

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

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

Carrier: Fed ExComments/ResolutionSample 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

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25/24	Reported: 02/26/21 13:36
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Reported: 2/26/2021 1:36:22PM
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BG-1 (-1')

E102065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
2/26/2021 1:36:22PM

BG-1 (-2')

E102065-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/26/2021 1:36:22PM

BG-1 (-3')

E102065-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/26/2021 1:36:22PM

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/26/2021 1:36:22PM

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/26/2021 1:36:22PM

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	Project Name:	Dolly Varden 25/24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	2/26/2021 1:36:22PM

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	Project Name:	Dolly Varden 25/24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	02/26/21 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.




 5795 US Highway 94, Farmington, NY 13740
 24-hour Emergency Response Phone 1-800-352-1279
 Phone: 505/352-1861 Fax: 505/632-1666
envirotech-inc.com
labadmin@envirotech-inc.com

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

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

Carrier: Fed Ex**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

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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/1/21

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

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Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/01/21 16:30
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Reported: 3/1/2021 4:30:07PM
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CS-18

E102072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-19

E102072-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-20

E102072-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-29

E102072-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-30

E102072-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-31

E102072-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-32

E102072-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-33

E102072-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-34

E102072-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-35

E102072-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-36

E102072-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-37

E102072-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-38

E102072-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-39

E102072-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-40

E102072-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-41

E102072-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-42

E102072-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/1/2021 4:30:07PM

CS-43

E102072-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-44

E102072-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-45

E102072-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/1/2021 4:30:07PM

CS-46

E102072-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/1/2021 4:30:07PM

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

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

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 (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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/1/2021 4:30:07PM

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

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: n-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: n-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: n-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: n-Nonane	48.5		50.0		97.0	50-200			



QC Summary Data

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

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: n-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: n-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: n-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: n-Nonane	48.9		50.0		97.9	50-200			



QC Summary Data

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

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

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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/01/21 16:30

- 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.

Project Information

Chain of Custody

Page 1 of 3

5-Day

Client: <u>SMA - Carlsbad</u> Project: <u>Dolly Varden 25-24</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Ashley</u> Report due by: _____				Bill To Attention: <u>SMA / Mowbrum</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10">Lab Use Only</th> <th colspan="2">TAT</th> <th colspan="4">EPA Program</th> </tr> <tr> <td colspan="5">Lab WO#</td> <td colspan="5">Job Number</td> <td>1D</td> <td>3D</td> <td>RCRA</td> <td>CWA</td> <td>SDWA</td> </tr> <tr> <td colspan="5"><u>PE 102072</u></td> <td colspan="5"><u>190260001</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="10"><u>Am 2/23/21</u></td> <td colspan="4">Analysis and Method</td> <td colspan="4">State</td> </tr> <tr> <td>DRO/ORO by 8015</td> <td>GRO/DRO by 8015</td> <td>BTEX by 8021</td> <td>VOC by 8260</td> <td>Metals 6010</td> <td>Chloride 300.0</td> <td></td> <td></td> <td></td> <td></td> <td>BGDOC - NM</td> <td>BGDOC - TX</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="12"></td> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> </tr> <tr> <td colspan="12"></td> <td>TX</td> <td>OK</td> <td></td> <td></td> </tr> <tr> <td colspan="12"></td> <td colspan="4">Remarks</td> </tr> </table>										Lab Use Only										TAT		EPA Program				Lab WO#					Job Number					1D	3D	RCRA	CWA	SDWA	<u>PE 102072</u>					<u>190260001</u>										<u>Am 2/23/21</u>										Analysis and Method				State				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													TX	OK															Remarks			
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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																																																																																																																																																	
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				<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: _____

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>Alvin</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: <u>Y</u> 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>Alex</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.

Chain of Custody

Client: SMA - Carlsbad				Bill To				Lab Use Only				TAT				EPA Program															
Project: Dolly Varden 25-24				Attention: SMA / Mewbourne				Lab WO# PE102072				Job Number 190260001				1D		3D		RCRA		CWA		SDWA							
Project Manager: Ashley Maxwell				Address:				City, State, Zip				Phone:				Email:				State											
Address:				City, State, Zip				Phone:				Email:				Report due by:															
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	
		2/19		S		1		CS-36 (-1')				11														X					
								CS-37 (-1')				12																			
								CS-38 (-1')				13																			
								CS-39 (-1')				14																			
								CS-40 (-1')				15																			
								CS-41 (-1')				16																			
								CS-42 (-1')				17																			
								CS-43 (-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)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on ice: Y N															
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		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																	
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Chain of Custody

Client: SMA - Carlsbad		Bill To		Lab Use Only				TAT		EPA Program				
Project: Dolly Varden 25-24		Attention: SMA - Carlsbad		Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA		
Project Manager: Ashley Maxwell		Address:		PE102072		19026-0001								
Address:		City, State, Zip		AM 2/23/21		Analysis and Method		State						
City, State, Zip		Phone:												
Phone:		Email:												
Email: Ashley														
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	CS-43 (-1')	18							X		
	I	I	I	CS-44 (-1')	19							I		
	I	I	I	CS-45 (-1')	20							I		
	I	I	I	CS-46 (-1')	21							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:										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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only						
Nth Gr		2/22		[Signature]		2-22-21	1350	Received on ice: Y / N						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3						
[Signature]		2-22-21	1700	[Signature]		2/23/21	11:30							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C						
[Signature]				[Signature]				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.														

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

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

Carrier: Fed Ex**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: E102073

Job Number: 19026-0001

Received: 2/23/2021

5796 U.S. Hwy 64
Farmington, NM 87401

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



Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/2/21

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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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: 03/02/21 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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/2/2021 12:32:56PM

CSW-1

E102073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/2/2021 12:32:56PM

CSW-2

E102073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-3

E102073-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-4

E102073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-5

E102073-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-6

E102073-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-7

E102073-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-8

E102073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-9

E102073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/2/2021 12:32:56PM

CSW-10

E102073-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/2/2021 12:32:56PM

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

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

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

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							
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LCS (2110007-BS1)

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

Chloride	246	20.0	250		98.6	90-110			
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Matrix Spike (2110007-MS1)

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

Chloride	257	20.0	250	ND	103	80-120			
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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	
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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	Reported:
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.



envirotech-inc.com
labadmin@envirotech-inc.com

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

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

Carrier: Fed Ex**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

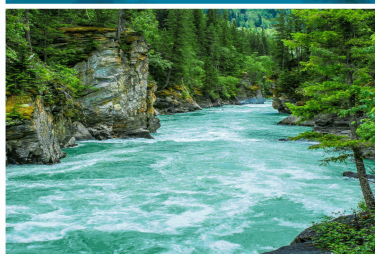
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/03/21 13:57
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Reported: 3/3/2021 1:57:55PM
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CS-47 (-1')

E102087-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		03/02/21	03/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2110012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/02/21	03/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	102 %	70-130		03/02/21	03/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane	95.7 %	50-200		03/02/21	03/02/21	
Anions by EPA 300.0/9056A	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

Reported:
3/3/2021 1:57:55PM

CS-48 (-1')

E102087-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-49 (-1')

E102087-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-50 (-1')

E102087-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-51 (-1')

E102087-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-52 (-1')

E102087-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-53 (-1')

E102087-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-54 (-1')

E102087-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-55 (-1')

E102087-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-56 (-1')

E102087-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-57 (-1')

E102087-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-58 (-1')

E102087-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CS-59 (-1')

E102087-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CSW-6

E102087-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CSW-7

E102087-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CSW-8

E102087-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CSW-9

E102087-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/3/2021 1:57:55PM

CSW-10

E102087-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/3/2021 1:57:55PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/3/2021 1:57:55PM

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 (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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/3/2021 1:57:55PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/3/2021 1:57:55PM

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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/03/21 13:57

- 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.



Project Information

Chain of Custody

Page 1 of 2

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# <u>PE102097</u>				Job Number <u>19026-0001</u>				TAT		RCRA		CWA		SDWA																					
Project Manager: <u>Ashley Maxwell</u>				Address:				Analysis and Method				State																															
Address:				City, State, Zip				DRO/ORO by 8015				GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC - NM				BGDOC - TX							
City, State, Zip				Phone:																																							
Email: <u>Ashley/Nate</u>				Email:																																							
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
	2/22	S	1	CS-47 (-1')	1									
	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:

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



5795 US Highway 54, Farmingdale, NY 11737
24 Hour Emergency Response Phone (800) 392-1279

Ph: 505.632.1861 Fax: 505.632.1865

envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Page 2 of 2

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- Melbourne
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____

Lab Use Only
 Lab WO# PE 102087 Job Number 190260001
AM 2/24/21 Analysis and Method

TAT
 1D 3D

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	BTCL by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
	<u>2/23</u>	<u>S</u>	<u>1</u>	<u>CS-57 (-1')</u>	<u>11</u>							<u>X</u>		
			<u>1</u>	<u>CS-58 (-1')</u>	<u>12</u>									
				<u>CS-59 (-1')</u>	<u>13</u>									
				<u>CSW-6</u>	<u>14</u>									
				<u>CSW-7</u>	<u>15</u>									
				<u>CSW-8</u>	<u>16</u>									
				<u>CSW-9</u>	<u>17</u>									
				<u>CSW-10</u>	<u>18</u>									
					<u>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>Not on</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>1:340</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / 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>2/24/21</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.

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

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

Carrier: Fed ExComments/ResolutionSample 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: 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,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/05/21 15:28
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/5/2021 3:28:13PM

CSW-11

E103002-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/5/2021 3:28:13PM

CSW-12

E103002-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:28:13PM

CSW-13

E103002-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:28:13PM

CSW-14

E103002-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:28:13PM

CSW-15

E103002-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/5/2021 3:28:13PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/5/2021 3:28:13PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/5/2021 3:28:13PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/5/2021 3:28:13PM

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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	03/05/21 15:28

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.





envirotech
Analytical Laboratory

Ph: 505; 632-1381 Fax: 505; 632-1665

envirotech-inc.com
labadmin@envirotech-inc.com

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

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

Carrier: Fed Ex**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

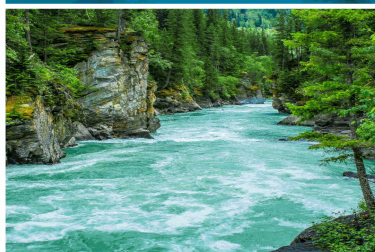
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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
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Cell: 775-287-1762
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/05/21 15:32
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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

CS-60 (-1')

E103003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/5/2021 3:32:19PM

CS-61 (-1')

E103003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-62 (-1')

E103003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-63 (-1')

E103003-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-64 (-1')

E103003-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-65 (-1')

E103003-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-66 (-1')

E103003-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-67 (-1')

E103003-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-68 (-1')

E103003-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-69 (-1')

E103003-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-70 (-1')

E103003-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-71 (-1')

E103003-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-72 (-1')

E103003-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-73 (-1')

E103003-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-74 (-1')

E103003-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/5/2021 3:32:19PM

CS-75 (-1')

E103003-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/5/2021 3:32:19PM

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

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

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	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							
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LCS (2110028-BS1)

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

Chloride	250	20.0	250		99.9	90-110			
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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			
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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	
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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	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	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.

Project Information

Chain of Custody

Page 1 of 2

5-Day

Client: <u>SMA - Carlsbad</u> Project: <u>Dolly Varden 25-24</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Ashley / Nate</u> Report due by: _____				Bill To Attention: <u>SMA - Newbourne</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				Lab Use Only Lab WO# <u>PE103003190260001</u> Job Number _____ Analysis and Method: _____ DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ BGDOC - NM _____ BGDOC - TX _____						EPA Program TAT 1D 3D RCRA CWA SDWA State NM CO UT AZ TX OK Remarks		
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number											
	2/24	S	1	CS-60 (-1')	1											
				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											

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>	Lab Use Only Received on ice: <u>Y</u> 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.


 5791 US Highway 54, Farmington, NJ 07401
 24-Hour Emergency Response Phone: (800) 682-1379
 Fax: (505) 362-1081 Fax: (505) 630-1666
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

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

Carrier: Fed Ex**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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/9/21

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

Raina Schwanz
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/09/21 13:33
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/9/2021 1:33:51PM

CS-76 (-1)

E103012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/9/2021 1:33:51PM

CS-77 (-1)

E103012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-78 (-1)

E103012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/9/2021 1:33:51PM

CS-79 (-1)

E103012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-80 (-1)

E103012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-81 (-1)

E103012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-82 (-1)

E103012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-83 (-1)

E103012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-84 (-1)

E103012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-85 (-1)

E103012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CS-86 (-1)

E103012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW-16

E103012-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW-17

E103012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW-18

E103012-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/9/2021 1:33:51PM

CSW-19

E103012-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW-20

E103012-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
3/9/2021 1:33:51PM

CSW-21

E103012-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW-22

E103012-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW-23

E103012-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/9/2021 1:33:51PM

CSW25

E103012-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/9/2021 1:33:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/9/2021 1:33:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/9/2021 1:33:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/9/2021 1:33:51PM

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	Reported:
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.



Project Information

Chain of Custody

Page 1 of 2

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# <u>PE103012</u>				Job Number <u>19020-0001</u>		1D 3D		RCRA CWA SDWA			
Project Manager: <u>Ashley Maxwell</u>				Address:				AM 3/2/21				Analysis and Method		State					
Address:				City, State, Zip				DRO/ORO by 8015				GRO/DRO by 8015		BTX by 8021		VOC by 8260			
City, State, Zip				Phone:				Metals 6010				Chloride 300.0		BGDOC - NM		BGDOC - TX			
Phone:				Email:															
Email: <u>Ashley</u>				Report due by:															
Time Sampled				Date Sampled				Matrix				No Containers				Sample ID			
Lab Number																			
3/1				S				1				CS-76 (-1')				1			
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)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only			
<u>Nita Am</u>				3/2/21		1:55pm		<u>[Signature]</u>				3.2.21		1355		Received on ice: <u>Y</u> N			
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		T1 T2 T3			
<u>[Signature]</u>				3.2.21		1450		<u>[Signature]</u>				3/3/21		11:00					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		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.																			

Project Information

Chain of Custody

Page 2 of 2

Client: <u>SMA - Carlsbad</u>				Bill To		Lab Use Only		5-Day		EPA Program					
Project: <u>Dolly Varden 25-24</u>				Attention: <u>SMA - Mowbourne</u>		Lab WO# <u>PE103012</u>		Job Number <u>19026-0001</u>		TAT		RCRA		CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>				Address:		PE103012		19026-0001		1D	3D				
Address:				City, State, Zip		PM 3/3/21		Analysis and Method						State	
City, State, Zip				Phone:										NM CO UT AZ	
Phone:				Email:										TX OK	
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 8250	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
	3/1	S	1	CS-86 (-1')	11							X			
				CSW-16	12										
				CSW-17	13										
				CSW-18	14										
				CSW-19	15										
				CSW-20	16										
				CSW-21	17										
				CSW-22	18										
				CSW-23	19										
				CSW-25	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:

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)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Nick Carr</u>	3/2/21	1:55pm	<u>[Signature]</u>	3-2-21	1355	
<u>[Signature]</u>	3-2-21	1650	<u>[Signature]</u>	3/3/21	11:00	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>			<u>[Signature]</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.

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

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

Carrier: Fed Ex**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

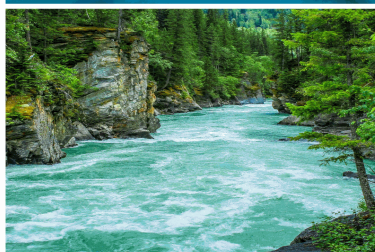
Signature of client authorizing changes to the COC or sample disposition.

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/11/21 16:51
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Project Name:	Dolly Varden 25-24	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

CSW-24

E103020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2111024	
Diesel Range Organics (C10-C28)	30.9	25.0	1	03/09/21	03/11/21	
Oil Range Organics (C28-C35)	51.0	50.0	1	03/09/21	03/11/21	
<i>Surrogate: n-Nonane</i>		107 %	50-200	03/09/21	03/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2111012	
Chloride	59.0	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

Reported:
3/11/2021 4:51:37PM

CSW-26

E103020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-27

E103020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Benzene	ND	0.0250	1	03/09/21	03/09/21	
Toluene	0.131	0.0250	1	03/09/21	03/09/21	
Ethylbenzene	0.603	0.0250	1	03/09/21	03/09/21	
p,m-Xylene	1.30	0.0500	1	03/09/21	03/09/21	
o-Xylene	0.564	0.0250	1	03/09/21	03/09/21	
Total Xylenes	1.86	0.0250	1	03/09/21	03/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	03/09/21	03/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111017
Gasoline Range Organics (C6-C10)	34.0	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2111024
Diesel Range Organics (C10-C28)	797	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	265	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	03/09/21	03/10/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111012
Chloride	2170	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

Reported:
3/11/2021 4:51:37PM

CSW-28

E103020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-29

E103020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-30

E103020-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-31

E103020-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-32

E103020-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-33

E103020-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-34

E103020-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-35

E103020-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-36

E103020-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-37

E103020-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-38

E103020-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2111024	
Diesel Range Organics (C10-C28)	209	25.0	1	03/09/21	03/10/21	
Oil Range Organics (C28-C35)	104	50.0	1	03/09/21	03/10/21	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	03/09/21	03/10/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2111012	
Chloride	27.8	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

Reported:
3/11/2021 4:51:37PM

CSW-39

E103020-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-40

E103020-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-41

E103020-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-42

E103020-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-43

E103020-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-44

E103020-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/11/2021 4:51:37PM

CSW-45

E103020-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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	Project Name:	Dolly Varden 25-24	Reported: 3/11/2021 4:51:37PM
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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: n-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: n-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: n-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: n-Nonane	107		50.0		214	50-200			S3



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/11/2021 4:51:37PM

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	Reported:
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.



Project Information

Chain of Custody

Page 1 of 3

Client: <u>SMA - Carlsbad</u>				Bill To				Lab Use Only				5-Day		EPA Program				
Project: <u>Dolly Varden 25-24</u>				Attention: <u>SMA - Newbourne</u>				Lab WO#		Job Number		TAT		RCRA CWA SDWA				
Project Manager: <u>Ashley Maxwell</u>				Address:				<u>PE103020</u>		<u>19026-0001</u>		1D 3D						
Address:				City, State, Zip				Analysis and Method								State		
City, State, Zip				Phone:												NM CO UT AZ		
Phone:				Email:												TX OK		
Email: <u>Ashley / Nate</u>				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-24	1								X					
				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:



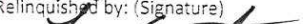

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

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)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>M. An</u>	3/4	1400	<u>[Signature]</u>	3.4.21	1400	
<u>[Signature]</u>	3.4.21	1700	<u>[Signature]</u>	3.5.21	11:15	

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.

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)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
		3/4		1400				3-4-21		1400							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
		3-4-21		1700				3/5/21		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.																	



envirotech
Analytical Laboratory

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

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

Carrier: Fed Ex**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

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

Raina Schwanz
Laboratory Administrator
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labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported: 03/12/21 15:59
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

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	Reported: 3/12/2021 3:59:51PM
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CS-87 (-2')

E103027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-88 (-2')

E103027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		91.5 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		91.5 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		122 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-89 (-.5')

E103027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		106 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		95.8 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	770	200	10	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		106 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		95.8 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		393 %	50-200	03/10/21	03/12/21	S5
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-90 (-.5')

E103027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	105 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	95.2 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	668	200	10	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	105 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	95.2 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	358 %	50-200		03/10/21	03/12/21	S5
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-91 (-.5')

E103027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	107 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	94.4 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	529	200	10	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	107 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	94.4 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	344 %	50-200		03/10/21	03/12/21	S5
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-92 (-.5')

E103027-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	0.890	0.250	10	03/11/21	03/11/21	
Toluene	28.8	0.250	10	03/11/21	03/11/21	
Ethylbenzene	23.0	0.250	10	03/11/21	03/11/21	
p,m-Xylene	35.3	0.500	10	03/11/21	03/11/21	
o-Xylene	14.0	0.250	10	03/11/21	03/11/21	
Total Xylenes	49.3	0.250	10	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	105 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	94.0 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	683	200	10	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	105 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	94.0 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	15800	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	11000	5000	100	03/10/21	03/12/21	
Surrogate: n-Nonane	374 %	50-200		03/10/21	03/12/21	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	39500	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

Reported:
3/12/2021 3:59:51PM

CS-93 (-.5')

E103027-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		105 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		94.4 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		105 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		94.4 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	3010	250	10	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	2360	500	10	03/10/21	03/12/21	
Surrogate: n-Nonane		142 %	50-200	03/10/21	03/12/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	4920	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

Reported:
3/12/2021 3:59:51PM

CS-94 (-.5')

E103027-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	0.0445	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	ND	0.0500	1	03/11/21	03/11/21	
o-Xylene	0.487	0.0250	1	03/11/21	03/11/21	
Total Xylenes	0.487	0.0250	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	107 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	94.5 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	48.8	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		03/11/21	03/11/21	
Surrogate: Toluene-d8	107 %	70-130		03/11/21	03/11/21	
Surrogate: Bromofluorobenzene	94.5 %	70-130		03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	6450	2500	100	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	8230	5000	100	03/10/21	03/12/21	
Surrogate: n-Nonane	223 %	50-200		03/10/21	03/12/21	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	1580	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

Reported:
3/12/2021 3:59:51PM

CS-95 (-.5')

E103027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		102 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		96.9 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	200	10	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		102 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		96.9 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		235 %	50-200	03/10/21	03/12/21	S5
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-96 (-.5')

E103027-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	0.0265	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	0.0550	0.0500	1	03/11/21	03/11/21	
o-Xylene	0.0255	0.0250	1	03/11/21	03/11/21	
Total Xylenes	0.0805	0.0250	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		102 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.9 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		102 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.9 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	664	25.0	1	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	411	50.0	1	03/10/21	03/12/21	
Surrogate: n-Nonane		149 %	50-200	03/10/21	03/12/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	9210	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

Reported:
3/12/2021 3:59:51PM

CS-97 (-.5')

E103027-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Benzene	ND	0.0250	1	03/11/21	03/11/21	
Toluene	0.0515	0.0250	1	03/11/21	03/11/21	
Ethylbenzene	0.210	0.0250	1	03/11/21	03/11/21	
p,m-Xylene	0.437	0.0500	1	03/11/21	03/11/21	
o-Xylene	0.193	0.0250	1	03/11/21	03/11/21	
Total Xylenes	0.629	0.0250	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		102 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		93.7 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		102 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		93.7 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111038
Diesel Range Organics (C10-C28)	4920	500	20	03/10/21	03/12/21	
Oil Range Organics (C28-C35)	3800	1000	20	03/10/21	03/12/21	
Surrogate: n-Nonane		150 %	50-200	03/10/21	03/12/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2111035
Chloride	13200	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

CS-98 (-1')

E103027-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		101 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		91.2 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		101 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		91.2 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		121 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CS-99 (-.5')

E103027-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		94.0 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		94.0 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		117 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

CS-100 (-1')

E103027-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.7 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.7 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		122 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CSW-46

E103027-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.9 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.9 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		124 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CSW-47

E103027-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.6 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.6 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		125 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CSW-48

E103027-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.2 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/11/21	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	03/11/21	03/11/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/11/21	
Surrogate: Bromofluorobenzene		92.2 %	70-130	03/11/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		125 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CSW-49

E103027-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/11/21	03/12/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/12/21	
Surrogate: Bromofluorobenzene		91.1 %	70-130	03/11/21	03/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/12/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/11/21	03/12/21	
Surrogate: Toluene-d8		103 %	70-130	03/11/21	03/12/21	
Surrogate: Bromofluorobenzene		91.1 %	70-130	03/11/21	03/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		123 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

CSW-50

E103027-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/11/21	03/12/21	
Surrogate: Toluene-d8	102 %	70-130		03/11/21	03/12/21	
Surrogate: Bromofluorobenzene	91.3 %	70-130		03/11/21	03/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/12/21	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		03/11/21	03/12/21	
Surrogate: Toluene-d8	102 %	70-130		03/11/21	03/12/21	
Surrogate: Bromofluorobenzene	91.3 %	70-130		03/11/21	03/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	121 %	50-200		03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

CSW-51

E103027-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	03/11/21	03/12/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/12/21	
Surrogate: Bromofluorobenzene		90.6 %	70-130	03/11/21	03/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2111045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/21	03/12/21	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	03/11/21	03/12/21	
Surrogate: Toluene-d8		104 %	70-130	03/11/21	03/12/21	
Surrogate: Bromofluorobenzene		90.6 %	70-130	03/11/21	03/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		122 %	50-200	03/10/21	03/11/21	
Anions by EPA 300.0/9056A						
	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

Reported:
3/12/2021 3:59:51PM

RCS-54 (-1')

E103027-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2111026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		03/09/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AC		Batch: 2111033
Diesel Range Organics (C10-C28)	209	25.0	1	03/10/21	03/10/21	
Oil Range Organics (C28-C35)	135	50.0	1	03/10/21	03/10/21	
Surrogate: n-Nonane	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

Reported:
3/12/2021 3:59:51PM

RCSW-10

E103027-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2111026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/09/21	03/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.3 %	70-130		03/09/21	03/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AC		Batch: 2111033	
Diesel Range Organics (C10-C28)	165	25.0	1	03/10/21	03/10/21	
Oil Range Organics (C28-C35)	109	50.0	1	03/10/21	03/10/21	
Surrogate: n-Nonane	113 %	50-200		03/10/21	03/10/21	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/12/2021 3:59:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/12/2021 3:59:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/12/2021 3:59:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/12/2021 3:59:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/12/2021 3:59:51PM

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	Project Name:	Dolly Varden 25-24	Reported:
201 S Halagueno St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	3/12/2021 3:59:51PM

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	Reported:
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.

Project Information

Chain of Custody

Page 1 of 3

5-Day

Client: <u>SMA - Carlsbad</u> Project: <u>Dolly Varden 25-24</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Ashley</u> Report due by: _____				Bill To Attention: <u>SMA - Newbourne</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="8">Lab Use Only</th> <th colspan="2">TAT</th> <th colspan="3">EPA Program</th> </tr> <tr> <td colspan="4">Lab WO# <u>PE103027</u></td> <td colspan="4">Job Number <u>190260001</u></td> <td>1D</td> <td>3D</td> <td>RCRA</td> <td>CWA</td> <td>SDWA</td> </tr> <tr> <td colspan="8">Analysis and Method <u>Am 36621</u></td> <td colspan="5">State</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td> <td>NM</td><td>CO</td><td>UT</td><td>AZ</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td> <td><input checked="" type="checkbox"/> TX</td><td>OK</td><td></td><td></td> </tr> <tr> <td colspan="13" style="height: 20px;">Remarks</td> </tr> </table>								Lab Use Only								TAT		EPA Program			Lab WO# <u>PE103027</u>				Job Number <u>190260001</u>				1D	3D	RCRA	CWA	SDWA	Analysis and Method <u>Am 36621</u>								State															NM	CO	UT	AZ											<input checked="" type="checkbox"/> TX	OK			Remarks												
Lab Use Only								TAT		EPA Program																																																																																					
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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																																																																																		
	<u>3/3</u>	<u>S</u>	<u>1</u>	<u>CS-87 (-2')</u>	<u>1</u>							<input checked="" type="checkbox"/>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-88 (-2')</u>	<u>2</u>							<u> </u>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-89 (-.5')</u>	<u>3</u>							<u> </u>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-90 (-.5')</u>	<u>4</u>							<u> </u>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-91 (-.5')</u>	<u>5</u>							<u> </u>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-92 (-.5')</u>	<u>6</u>							<u> </u>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-93 (-.5')</u>	<u>7</u>							<u> </u>																																																																																			
	<u>3/3</u>	<u> </u>	<u> </u>	<u>CS-94 (-.5')</u>	<u>8</u>							<u> </u>																																																																																			
	<u>3/4</u>	<u> </u>	<u> </u>	<u>CS-95 (-.5')</u>	<u>9</u>							<u> </u>																																																																																			
	<u>3/4</u>	<u> </u>	<u> </u>	<u>CS-96 (-.5')</u>	<u>10</u>							<u> </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>Nita Gun</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.

Project Information

Chain of Custody

Page 2 of 3

Client: SMA - Carlsbad
 Project: Polly 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: _____

Lab Use Only
 Lab WO# PE103027 Job Number 19026000
AM3/6/21 Analysis and Method
 TAT: 1D ☐ 3D ☐
 EPA Program: RCRA ☐ CWA ☐ SDWA ☐
 State: 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
	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) [Signature] Date 3/5 Time 1150 Received by: (Signature) [Signature] Date 3-5-21 Time 1150

Relinquished by: (Signature) [Signature] Date 3-5-21 Time 1700 Received by: (Signature) [Signature] Date 3/6/21 Time 12:45

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.

Lab Use Only
 Received on ice: ☒ Y ☐ N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

Chain of Custody

Project Information

Client: SMA - Carlstad			Bill To			Lab Use Only				TAT		EPA Program			
Project: Dolly Varden 25-24			Attention: SMA - Newbourne			Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA	
Project Manager: Ashley Maxwell			Address:			PE10302719026000									
Address:			City, State, Zip			PM 3/6/21		Analysis and Method							
City, State, Zip			Phone:												
Phone:			Email:												
Email: Ashley															
Report due by:															
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	State
															NM
															CO
															UT
															AZ

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

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

Carrier: Fed ExComments/Resolution

Sample #7 Jar CS-93 (-.5ft) lid arrived broken

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.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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.

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 with a large, stylized 'C' and 'K'.

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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

Cardinal Laboratories

*=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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, SM4500Cl-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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*=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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, SM4500Cl-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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, SM4500Cl-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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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



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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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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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*=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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CSW - 2 (H210773-07)

BTX 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 BTX	<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

Cardinal Laboratories

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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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CSW - 10 (H210773-08)

BTX 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 BTX	<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

Cardinal Laboratories

*=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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, SM4500Cl-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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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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*=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
 Reported: 03/31/2021
 Project Name: DOLLY VARDEN
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE

Sampling Date: 03/24/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CSW - 51 (H210773-11)

BTX 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 BTX	<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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*=Accredited Analyte

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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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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

Company Name: SMA Project Manager: Ashley Maxwell Address: City: State: Zip: Phone #: Fax #: Project #: Project Name: Dolly Varden Project Location: Sampler Name: Alicia A. Lopez		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D. #210773 1 CS-54 2 CS-29 3 CS-90 4 CS-81 5 CS-84 6 CS-100 7 CSW-2 8 CSW-10 9 CSW-22 10 CSW-45		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE 3/24/21 TIME 10:30 10:20 10:00 10:50 10:10 10:40 11:40 11:00 11:40 11:30		SAMPLING RT EX TP4 CI	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		ANALYSIS REQUEST	
Relinquished By: Date: 3/24/21 Time: 2:00 Date: 3-29-21 Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: REMARKS: Direct to 11 Newburne Turner@newburne.com Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 <input type="checkbox"/> Bacteria (only) Sample Condition Correction Factor None <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	
Delivered By: (Circle One) Observed Temp. °C Corrected Temp. °C Sampler - UPS - Bus - Other:		CHECKED BY: (Initials)	

+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: SMA Project Manager: Ashley Motzall Address: City: State: Zip: Phone #: Fax #: Project #: 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. H210773 CSW-ST		Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE 3/24/21 TIME 11:20		SAMPLING	
Relinquished By: [Signature] Date: 3/24/21 Time: 2:00 Received By: [Signature] Date: 3/24/21 Time: 10:30 Observed Temp. °C 1030 Corrected Temp. °C 79.		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: REMARKS: <i>Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C</i> <i>Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C</i>	

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 ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (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	4,658	608
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	1,302	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	720
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	1,307	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 <cwalker@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



From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, October 5, 2021 1:34 PM
To: Connor Walker <cwalker@mewbourne.com>; 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

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
<http://www.emnrd.state.nm.us/OCD/>



From: Connor Walker <cwalker@mewbourne.com>
Sent: Tuesday, October 5, 2021 10:46 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Robbie Runnels <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 <OCDOnline@state.nm.us>

Sent: Tuesday, August 31, 2021 9:50 AM

To: Connor Walker <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

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.

Table 1: Release Information and Closure Criteria			
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/; 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

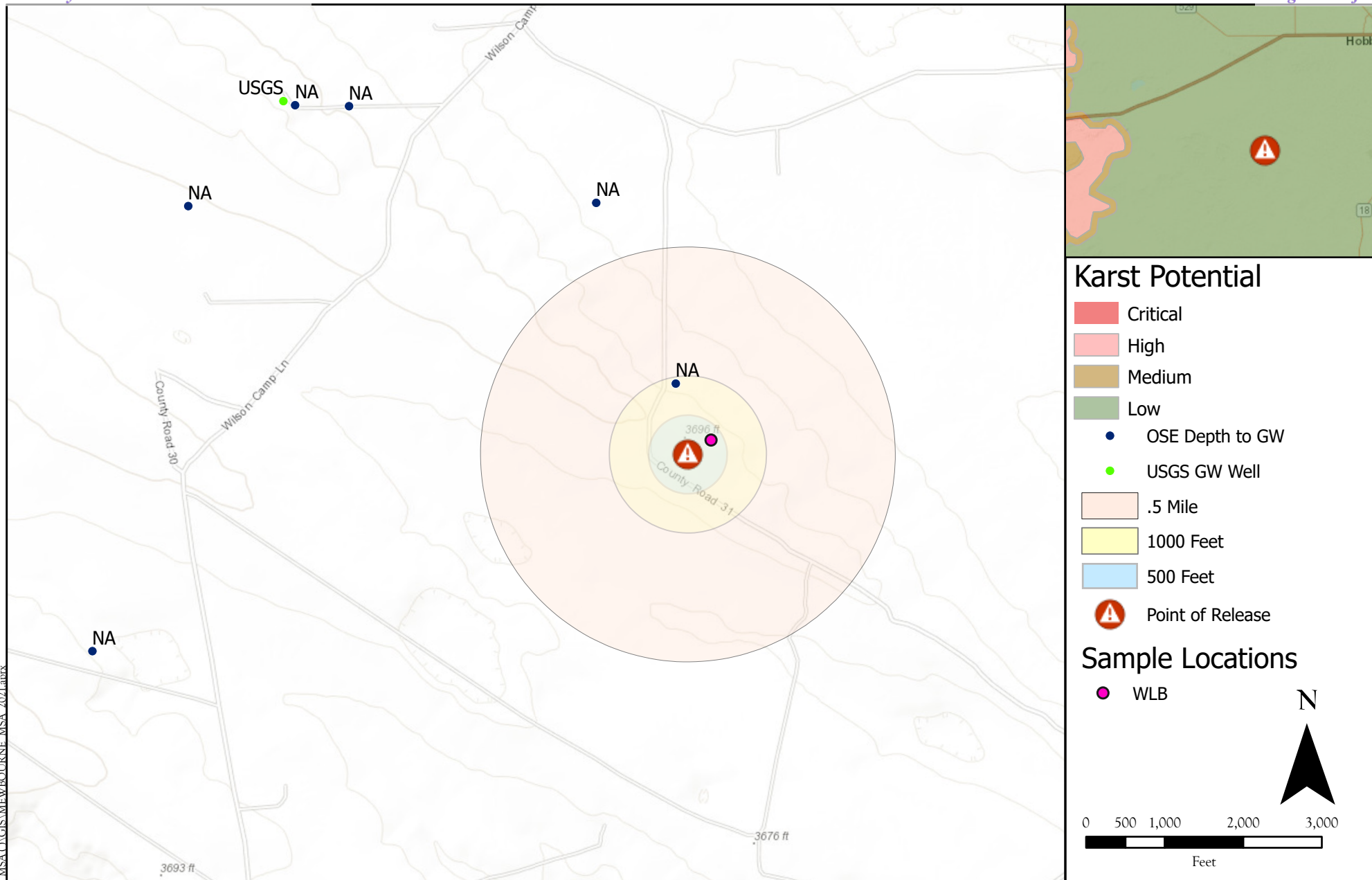
Tables:

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

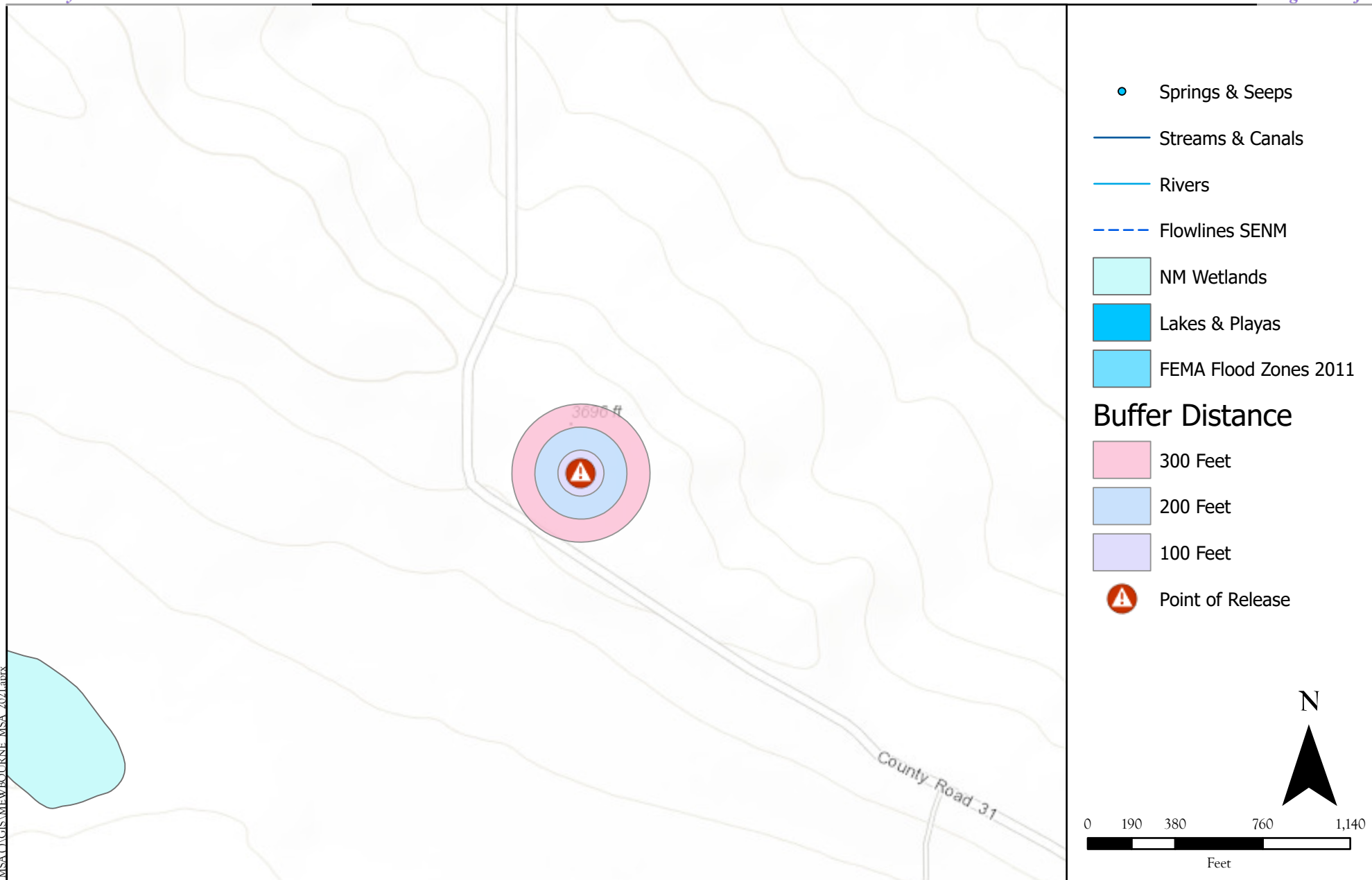
Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

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Drawn	Nate Grove
Date	3/19/2021
Checked	_____
Approved	_____



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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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 By: _____ Date: _____ Descr: _____

Drawn

Nate Grove

Date

3/19/2021

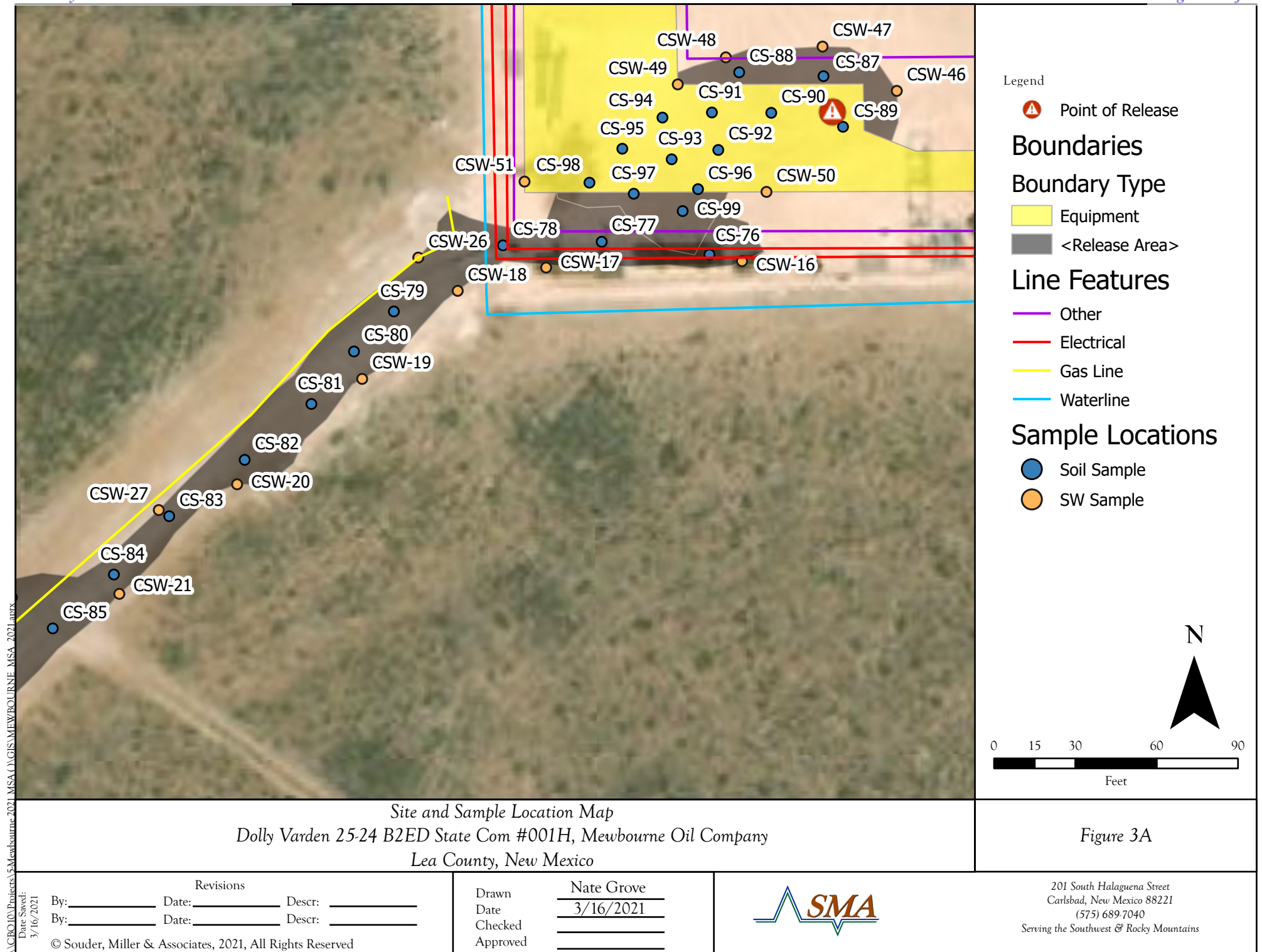
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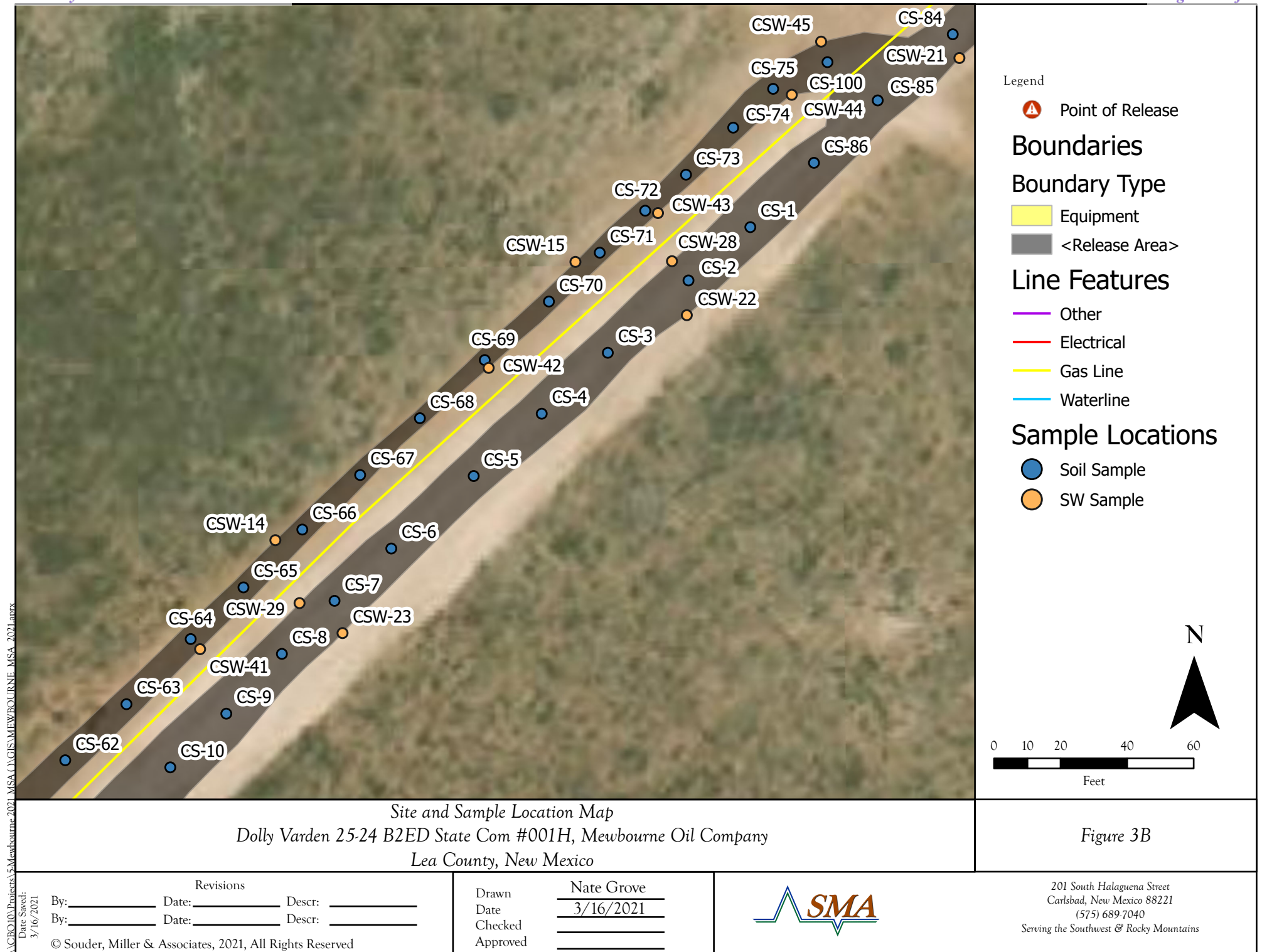
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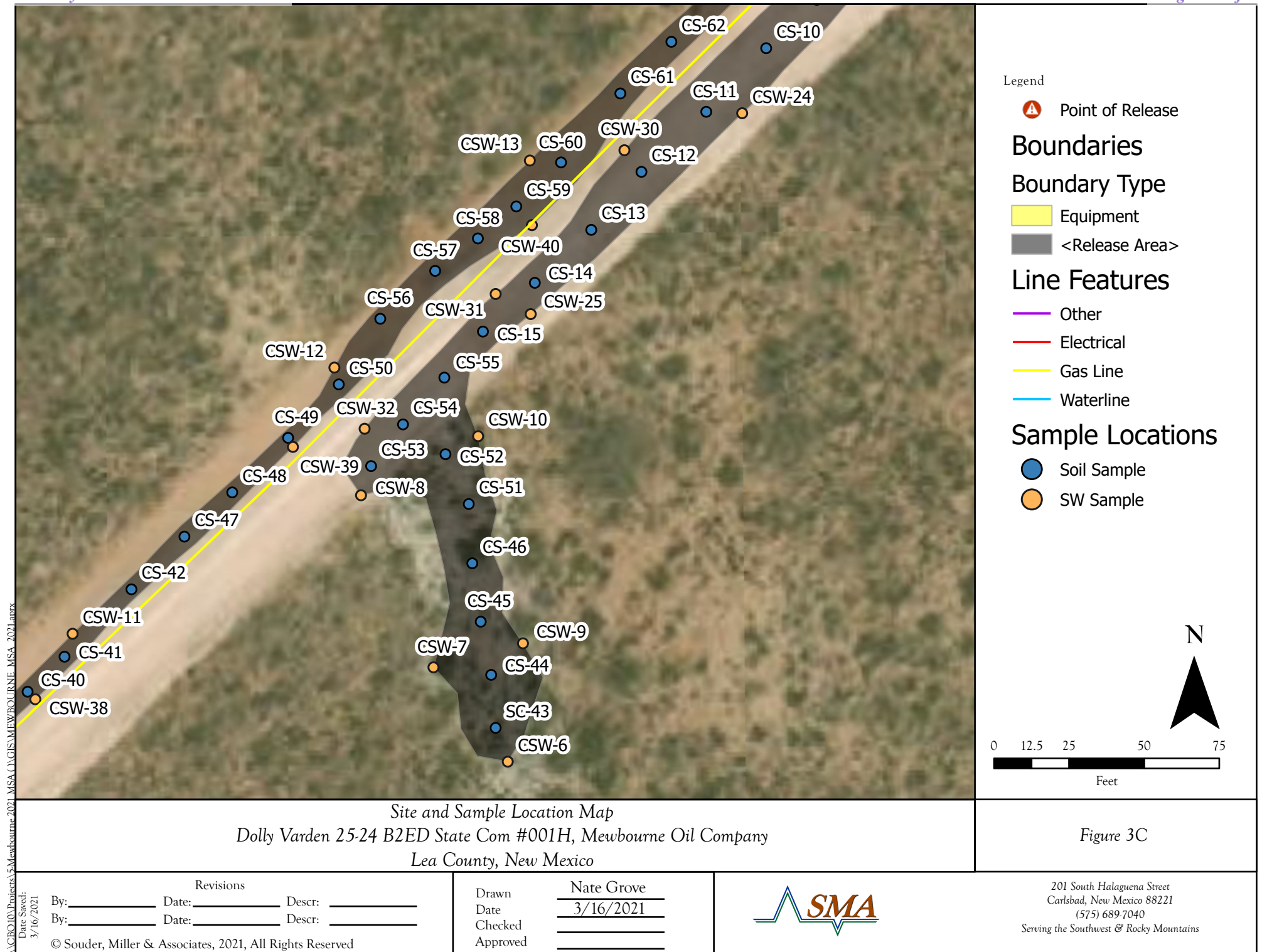


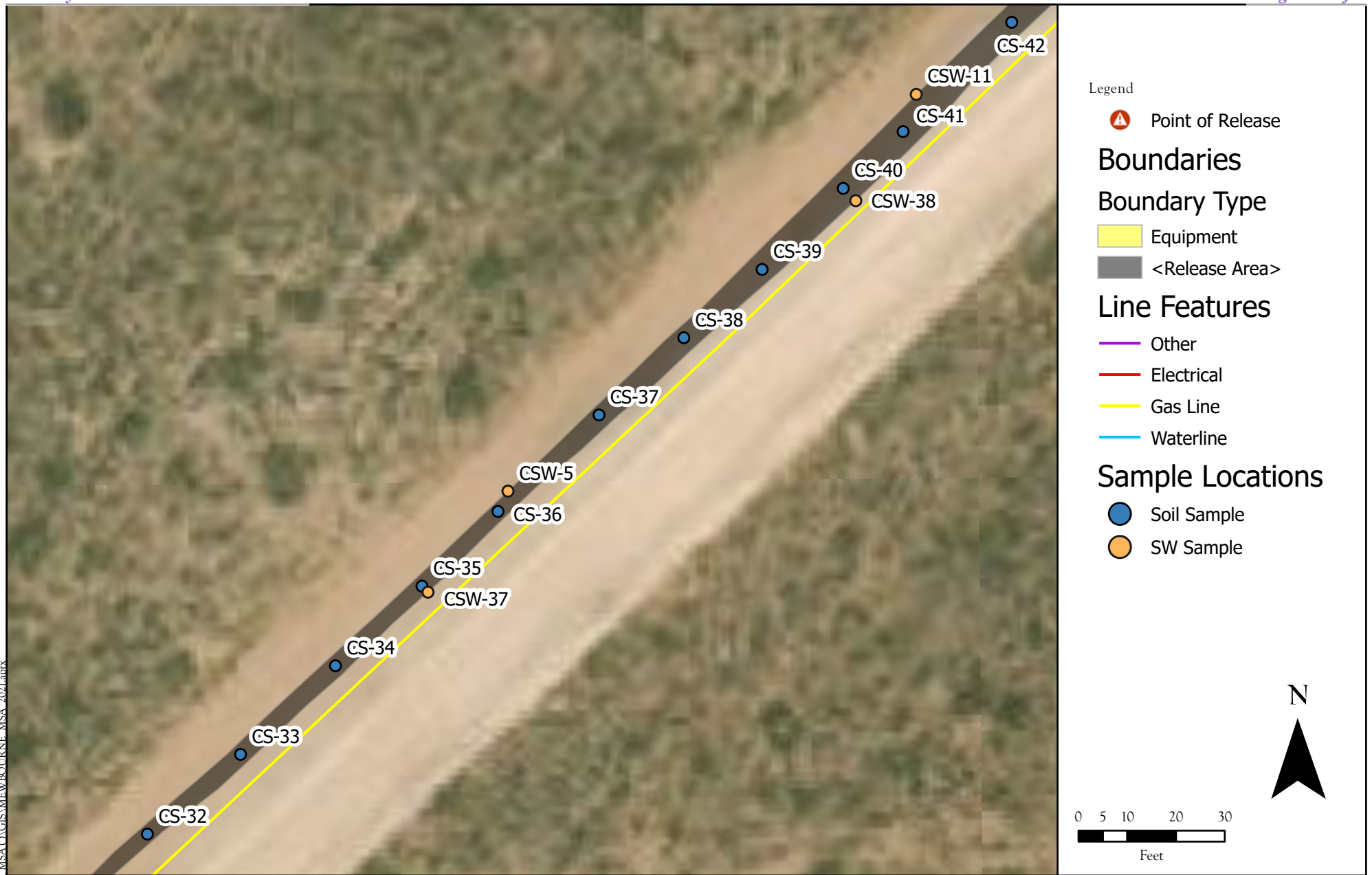
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Site and Sample Location Map
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Lea County, New Mexico

Figure 3D

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3/16/2021

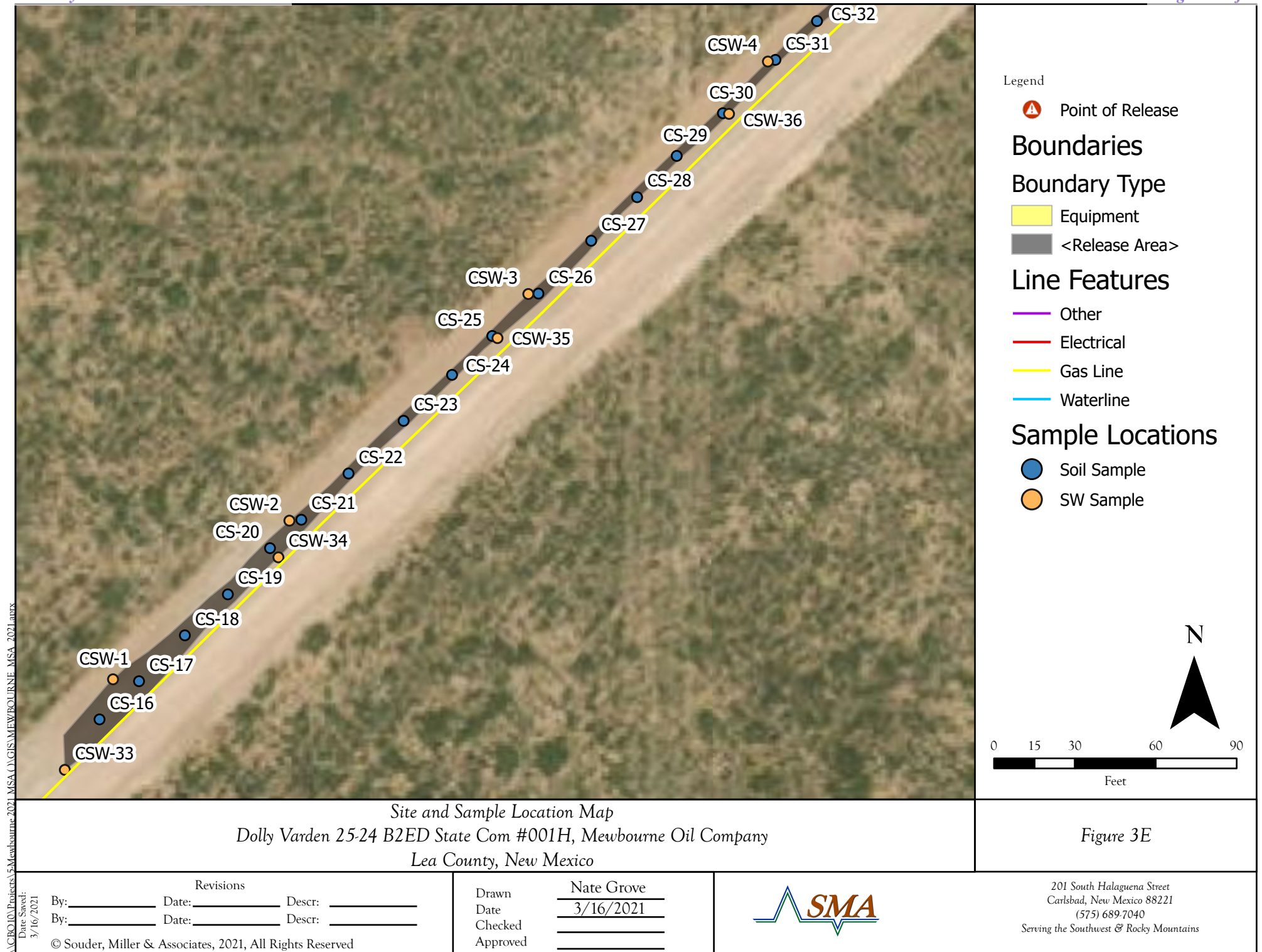
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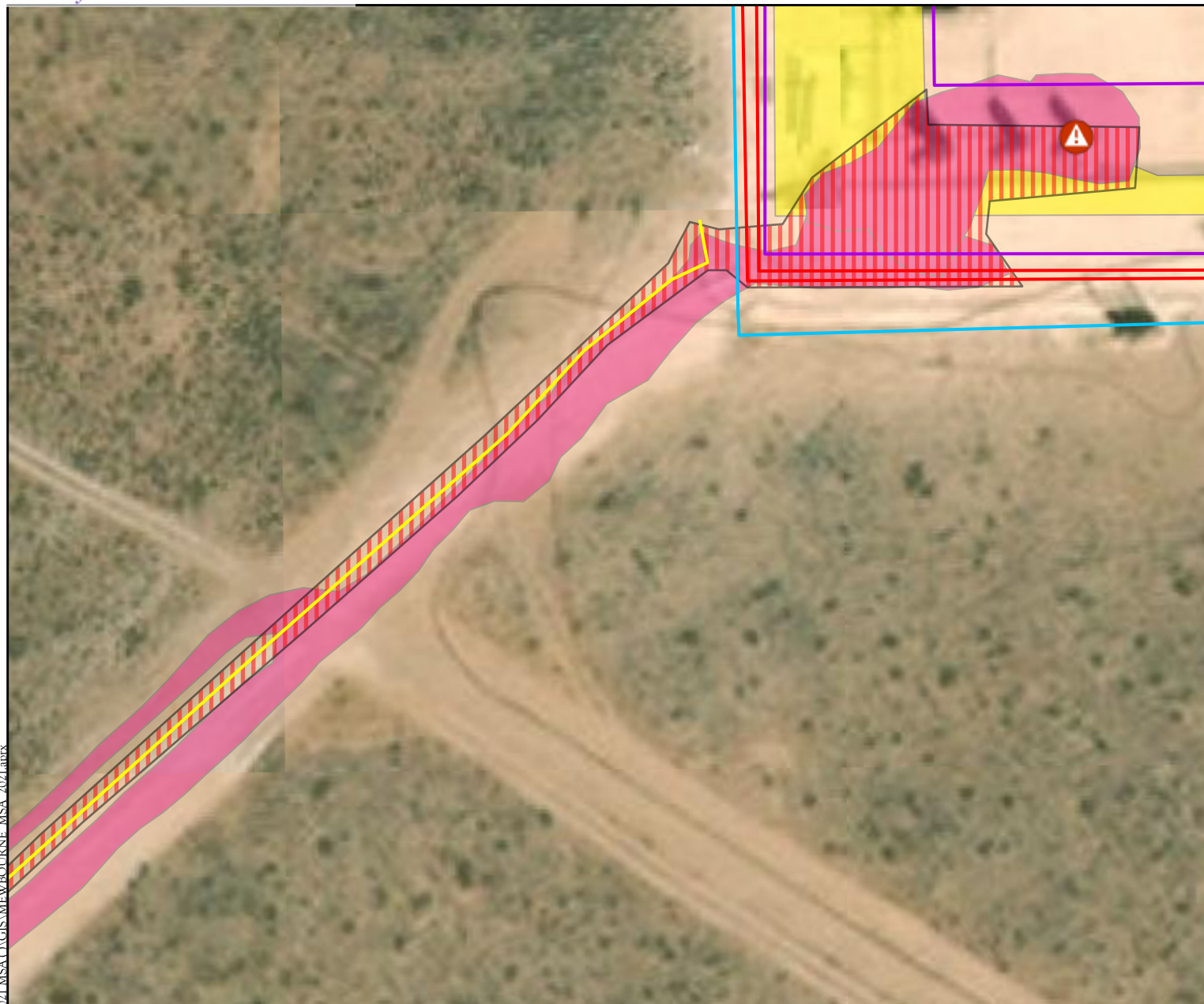
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Legend

 Point of Release

Boundaries

Boundary Type

 Equipment

 Release Area

Line Features

 Other

 Electrical

 Gas Line

 Waterline

Boundaries selection

 Defferal Area

N

0 15 30 60 90

Feet

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

N

0 15 30 60 90

Feet

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

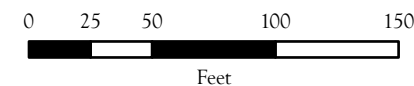
 Gas Line

 Waterline

Boundaries selection

 Defferal Area

N



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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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 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
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 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
CS-39	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	47.1	<50.0	47.1	<20.0
CS-40	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	20.2
CS-41	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	47.1	<50.0	47.1	<20.0
CS-42	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	22.6
CS-43	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	24.4
CS-44	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	65.1
CS-45	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	25.7	<50.0	25.7	37.3
CS-46	2/19/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.1
CS-47	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	49.8	<50.0	49.8	49.8
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	36.9	<50.0	36.9	23.1
CS-50	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	73.1
CS-51	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	74.1	<50.0	74.1	52.1
CS-52	2/22/21	1	In-situ	<0.100	<0.0250	<20.0	89.2	<50.0	89.2	43.5
CS-53	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	64.4
CS-54 RCS-54 CS-54	2/23/21	1	Excavated	<0.100	<0.0250	<20.0	96.2	56.1	152.3	64.8
	3/4/21	1	Excavated	--	--	<20.0	209	135	344	--
	3/24/21	1.5	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
CS-56	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	21.7
CS-57	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	135
CS-58	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	39.4
CS-59	2/23/21	1	In-situ	<0.100	<0.0250	<20.0	64.5	<50.0	64.5	30.6
CS-60	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	32.2	<50.0	32.2	35.4
CS-61	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	28.8	<50.0	28.8	57.5
CS-62	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	136
CS-63	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	58.3
CS-64	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	34.0
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	34.3	<50.0	34.3	54.7
CS-67	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	44.3	<50.0	44.3	63.7
CS-68	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	51.0
CS-69	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.6
CS-70	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	62.1
CS-71	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	66.4
CS-72	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	47.0	<50.0	47.0	107
CS-73	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	44.1	<50.0	44.1	111
CS-74	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	62.9	<50.0	62.9	134
CS-75	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	90.4



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
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	32.6	<50.0	32.6	36.9
CSW10	2/23/21	1	Excavated	<0.100	<0.0250	<20.0	116	70.1	186.1	50.8
RCSW10	3/4/21	1	Excavated	--	--	<20.0	165	109	274	--
CSW-10	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
CSW11	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	45.0	<50.0	45.0	<20.0
CSW12	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	41.4
CSW13	2/24/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.3
CSW14	2/25/21	1	In-situ	<0.100	<0.0250	<20.0	48.3	<50.0	48.3	52.4
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	60.3
CSW17	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	166
CSW18	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	120
CSW19	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	69.3
CSW20	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	21.1
CSW21	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	32.1
CSW22	3/3/21	1	Excavated	<0.100	<0.0250	<20.0	200	85.1	285.1	185
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CSW23	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	55.0
CSW24	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	30.9	51.0	81.9	59.0
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	53.4	82.7	136.1	4,890
CSW27	3/2/21	1	Deferral	2.594	<0.0250	34.0	797	265	1,096	2,170
CSW28	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	458	191	649	339
CSW29	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	954	398	1,352	3,910
CSW30	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	123
CSW31	3/2/21	1	Deferral	79.03	<0.0250	470	14,100	6,740	21,310	1,290
CSW32	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	53.3	<50.0	53.3	25.9
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	20.1
CSW35	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	72.2
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	56.2
CSW38	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	209	104	313	27.8
CSW39	3/2/21	1	Deferral	28.52	<0.0250	225	6,670	1,806	8,701	75.1
CSW40	3/2/21	1	Deferral	39.1652	0.0352	246	7,080	2,360	9,686	1,880



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	76.6
CSW42	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	27.1	<50.0	27.1	28.9
CSW43	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	54.2
CSW44	3/2/21	1	Deferral	<0.100	<0.0250	<20.0	54.3	50.3	104.6	207
CSW45	3/2/21	1	In-situ	<0.100	<0.0250	<20.0	126	74.1	200.1	121
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
CSW46	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	269
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	61.8	61.8	282
CSW49	3/3/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,170
CSW50	3/4/21	1	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	353
CSW51	3/4/21	1	Excavated	<0.100	<0.0250	<20.0	66.2	133	199.2	386
	3/24/21	1	In-situ	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0

"--" = 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 ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (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	4,658	608
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	1,302	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	720
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	1,307	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.

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>
<u>OCD Only</u>	
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
CP 00092 POD1	CP	LE		1	3	1	25	21S	34E	647479	3591694*	244	196		
CP 01801 POD1	CP	LE		3	3	1	30	21S	35E	649052	3591562	1495	140	48	92
CP 01805 POD1	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.

2/10/21 12:17 PM

Page 1 of 1

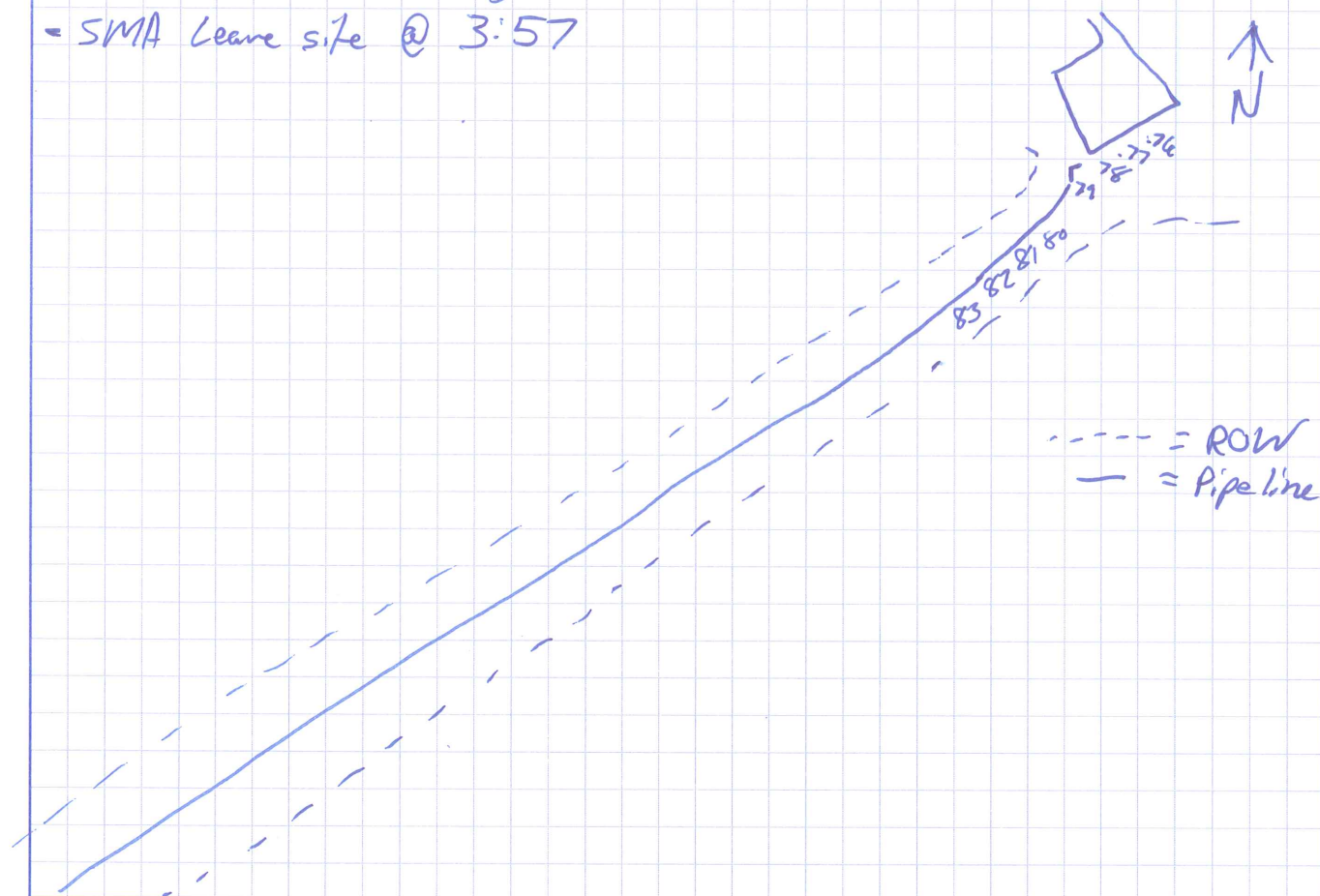
WATER COLUMN/ AVERAGE
DEPTH TO WATER

SUBJECT Dolly Varden 25-24 PROJECT _____ PAGE _____
 CLIENT Mewbourne DATE 2-26-21 BY NG

CHECKED _____

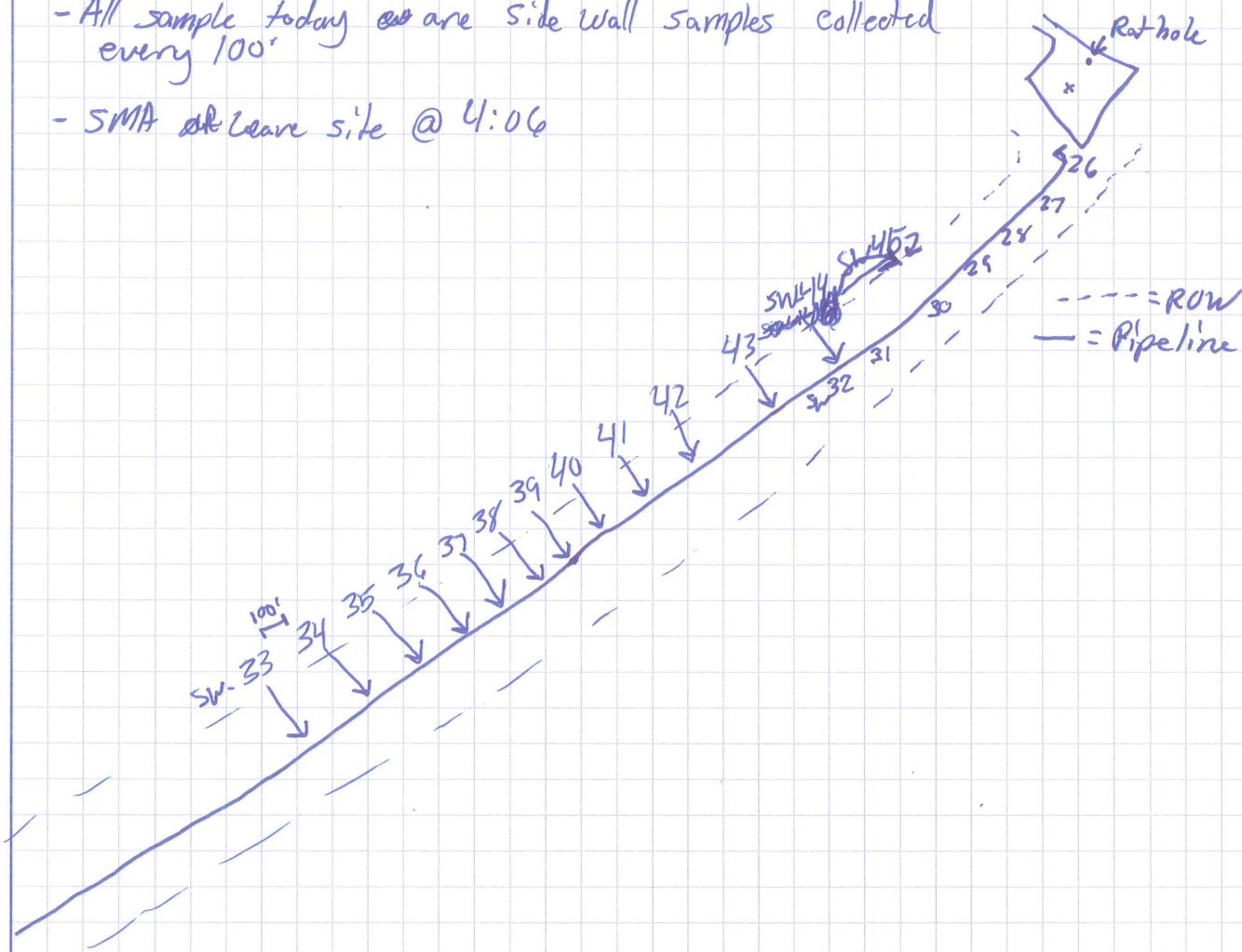
BY _____

- 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 hydrovacuizing contaminated soil around equipment.
- SMA is field screening soil to guide excavation
- # of Loads hauled off today ~~11/11~~ 11/11 11/11 11/11 11/11 (20)
- Rat hole Rig is drilling hole on pad to determine depth to GWS
- SMA Leave site @ 3:57



SUBJECT	Dolly Varden 25-24	PROJECT		PAGE	
CLIENT	Mewbourne	DATE	3-2-21	BY	NG
CHECKED		BY			

- 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 IHI IHI IHI (13)
- All sample today are side wall samples collected every 100'
- SMA leave site @ 4:06



APPENDIX C

FIELD NOTES

Field Screening

Location Name:

Dolly Varden 25/24

Date:

2-11-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp ($^{\circ}\text{C}$)	PID Reading	PF
S-1		-16"		0.07	9.4	1007.0	
S-1		-1'		0.07	3.9	33.8	
S-2		-6"				51.2	
SW-1						62.8	
BG-1		-1'		0.08	10.4		
BG-1		-2'		0.13	10.4		
BG-1		-3'		0.07	10.1		

Field Screening

Location Name:

Dolly Varden 25/24

Date:

2-12-21

[illegible]

Field Screening

Location Name:

Dolly Varden 25/24

Date:

2-16-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
CS-1		-1'		0.13	9.4	35.6	
CS-2		-1'		0.16	0.6	93.2	
CS-3		-1'		0.11	0.2	33.1	
CS-4		-1'		0.08	0.0	89.1	
CS-5		-1'		0.07	2.4	70.2	
CS-6		-1'		0.05	1.6	15.6	
CS-7		-1'		0.09	3.2	16.9	
CS-8		-1'		0.08	2.5	15.8	
CS-9		-1'				82.6	
CS-10		-1'				34.2	
CS-11		-1'				4.7	
CS-2A		-1'				34.2	
CS-4A		-1'		0.08		19.3	
CS-5A		-1'				33.3	
CS-9A		-1'				39.9	

Field Screening

Location Name:

Dolly Varden 25/24

Date:

2-17-21

[illegible]

Field Screening

Location Name:

Date:

Dolly Varden 25/24

12-81-2

[illegible]

Field Screening

Location Name:

Date:

Dolly Varden 25/24

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'				89.1 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	

Field Screening

Location Name:

Date:

Dolly Varden 25-24

2-19-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
CSW-1						32.8	
CSW-2						37.1	
CSW-3						1.9	
CSW-4						3.7	
CSW-5						32.6	
CSW-6						0.3	
CSW-7						0.6	
CSW-8						12.5	
CSW-9						0.2	
CSW-10						0.4	
CS-43		-1'				0.5	
CS-44		-1'				0.3	
CS-45		-1'				0.7	
CS-46		-1'				0.8	

Field Screening

Location Name:

Date:

Dolly Varden 25-24

2-22-21

[illegible]

Field Screening

Location Name:

Dolly Varden 25-24

Date:

2-23-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
CS-53						6.5	
CS-54						12.9	
CS-55						5.5	
CS- 56						3.4	
CS-57						9.1	
CS-58						16.8	
CS-59						40.1	
SW-10						10.4	15.6
SW-9						13.3	12.6
SW-8						22.5	22.5
SW-7						12.6	13.3
SW-6						15.6	10.1

Field Screening

Location Name:

Dolly Varden 25-24

Date:

Z-24-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
CS-60		-1'		0.09	17.1	3.3	
CS-61		-1'				4.2	
CS-62		-1'				2.4	
CS-63		-1'				3.5	
CS-64		-1'				14.7	
CS-65		-1'				60.8	
CS-65A		-1'				2.3	
CS-66		-1'				7.4	
CS-67		-1'				9.4	
CS-68		-1'				30.5	
SW-13				0.07	15.9	7.3	
SW-12						9.3	
SW-11						24.6	

Field Screening

Location Name:

Date:

Dolly Varden 25-24

Z-25-21

[illegible]

Field Screening

Location Name:

Date:

Dolly Varden 25-24.

2-26-21

[illegible]

Field Screening

Location Name:

Dolly Varden 25-24

Date:

3-1-21

Sample Name:	Soil Type:	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
CS- 76A		-1'		0.52	13.4	0.8	
CS- 77A		-1'		5.11	13.6	7.3	
CS- 84		-1'		0.17	13.3	0.6	
CS- 85		-1'		0.16	13.6	10.7	
CS- 86		-1		0.12	13.3	17.2	
SW-24A				0.08	13.6	3.2	
SW-20A				0.05	13.3		
SW-18A				0.14	13.3		
SW-17A				0.16	13.4		
SW-16A				0.10	13.6		
SW-25				0.05	13.4	0.6	
SW-24				0.40	13.6	1.0	
SW-23				0.08	13.6	1.0	
SW-22				0.17	13.6	9.9	
SW-21				0.08	13.9	0.9	
SW-20				1.53	13.6	7.7	
SW-19				0.10	13.5	12.9	
SW-18				1.45	13.5	3.3	
SW-17				2.09	13.4	1.8	
SW-16				1.90	13.5	0.5	

Field Screening

Location Name:

Date:

Dolly Varden 25-24

3-3-21

[illegible]

Field Screening

Location Name:

Dolly Varden 25-24

Date:

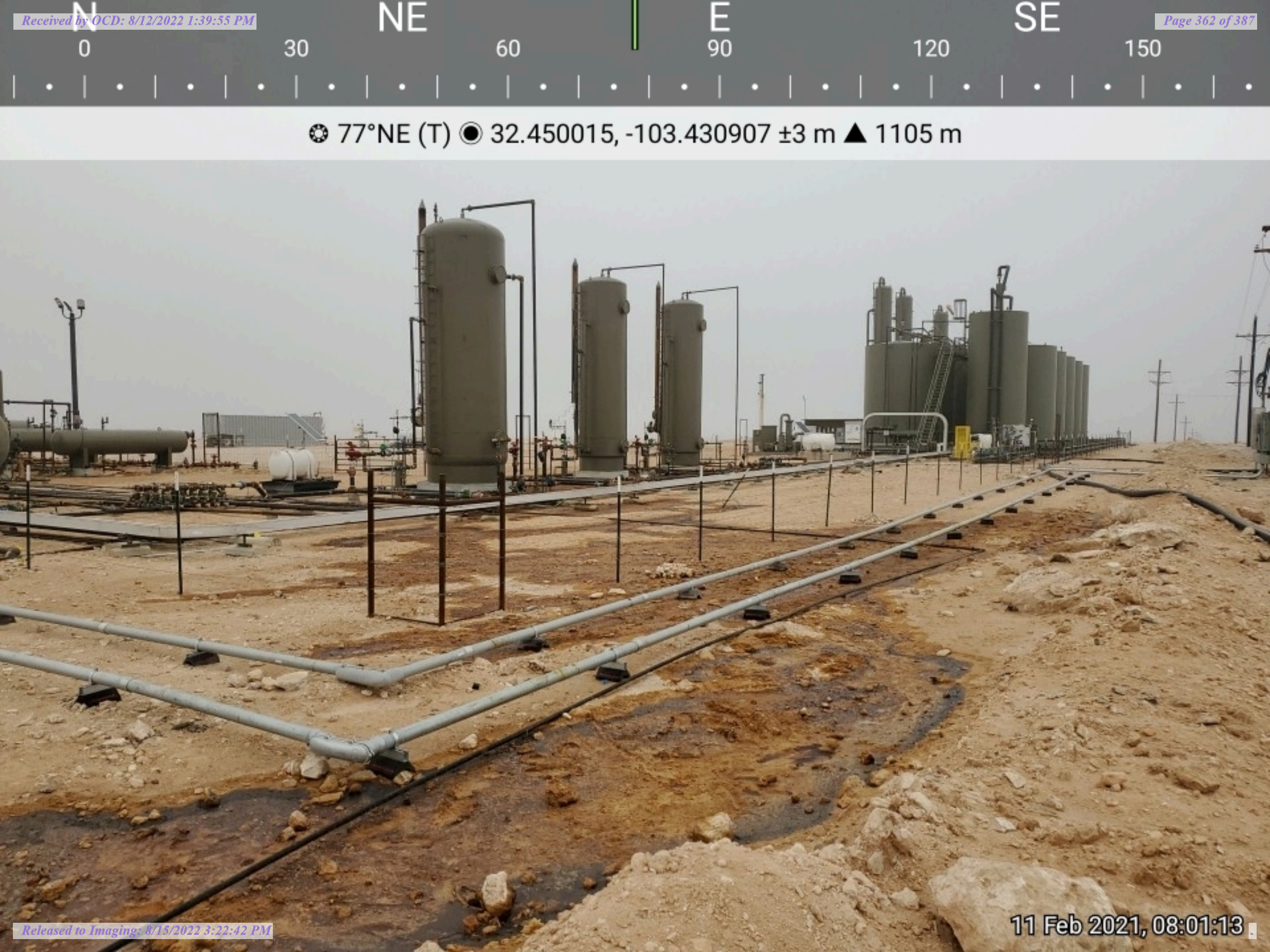
3-4-21

[illegible]









☉ 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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CS-7 (-1')	12
CS-8 (-1')	13
CS-9 (-1')	14
CS-10 (-1')	15
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Sample Summary

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

CS-1 (-1')

E102064-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2109011	
Chloride	90.1	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

Reported:
2/25/2021 1:36:23PM

CS-2 (-1')

E102064-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
2/25/2021 1:36:23PM

CS-3 (-1')

E102064-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/25/2021 1:36:23PM

CS-4 (-1')

E102064-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
2/25/2021 1:36:23PM

CS-5 (-1')

E102064-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
2/25/2021 1:36:23PM

CS-6 (-1')

E102064-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
2/25/2021 1:36:23PM

CS-7 (-1')

E102064-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
2/25/2021 1:36:23PM

CS-8 (-1')

E102064-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
2/25/2021 1:36:23PM

CS-9 (-1')

E102064-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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