

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 0-1' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-017 Date Collected: 09.18.2020 12:05 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138099 Date Prep: 09.24.2020 13:22

Prep seq: 7712039

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	6360	49.6	1.76	mg/kg	09.24.2020 17:21		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138111 Date Prep: 09.24.2020 16:30

Prep seq: 7712043

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.0	50.3	14.0	mg/kg	09.25.2020 03:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.3	11.5	mg/kg	09.25.2020 03:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.3	11.5	mg/kg	09.25.2020 03:58	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 03:58	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	126	70 - 135	%		
o-Terphenyl	120	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.25.2020 21:40	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	09.25.2020 21:40	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	09.25.2020 21:40	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	09.25.2020 21:40	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	09.25.2020 21:40	U	1
Total Xylenes	1330-20-7	<0.000404		0.000404	mg/kg	09.25.2020 21:40	U	
Total BTEX		<0.000404		0.000404	mg/kg	09.25.2020 21:40	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	110	70 - 130	%		
4-Bromofluorobenzene	118	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 2' Matrix: Soil Sample Depth:
 Lab Sample Id: 673399-018 Date Collected: 09.18.2020 12:10 Date Received: 09.23.2020 15:05
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138099 Date Prep: 09.24.2020 13:22
 Prep seq: 7712039

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	11.9	10.0	0.355	mg/kg	09.24.2020 17:26		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138111 Date Prep: 09.24.2020 16:30
 Prep seq: 7712043

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	09.25.2020 04:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	09.25.2020 04:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	09.25.2020 04:18	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 04:18	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	129	70 - 135	%		
o-Terphenyl	123	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138186 Date Prep: 09.25.2020 14:39
 Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000488	0.00201	0.000488	mg/kg	09.25.2020 22:02	U	1
Toluene	108-88-3	<0.000531	0.00201	0.000531	mg/kg	09.25.2020 22:02	U	1
Ethylbenzene	100-41-4	<0.000409	0.00201	0.000409	mg/kg	09.25.2020 22:02	U	1
m,p-Xylenes	179601-23-1	<0.000758	0.00402	0.000758	mg/kg	09.25.2020 22:02	U	1
o-Xylene	95-47-6	<0.000406	0.00201	0.000406	mg/kg	09.25.2020 22:02	U	1
Total Xylenes	1330-20-7	<0.000406		0.000406	mg/kg	09.25.2020 22:02	U	
Total BTEX		<0.000406		0.000406	mg/kg	09.25.2020 22:02	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	103	70 - 130	%		
4-Bromofluorobenzene	124	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 3' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-019 Date Collected: 09.18.2020 12:20 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138099 Date Prep: 09.24.2020 13:22

Prep seq: 7712039

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	23.8	9.96	0.353	mg/kg	09.24.2020 17:32		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138163 Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.8	49.9	13.8	mg/kg	09.25.2020 16:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.9	11.4	mg/kg	09.25.2020 16:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	09.25.2020 16:23	U	1
Total TPH	PHC635	<11.4		11.4	mg/kg	09.25.2020 16:23	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	110	70 - 135	%		
o-Terphenyl	110	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000483	0.00199	0.000483	mg/kg	09.25.2020 22:25	U	1
Toluene	108-88-3	<0.000525	0.00199	0.000525	mg/kg	09.25.2020 22:25	U	1
Ethylbenzene	100-41-4	<0.000404	0.00199	0.000404	mg/kg	09.25.2020 22:25	U	1
m,p-Xylenes	179601-23-1	<0.000749	0.00398	0.000749	mg/kg	09.25.2020 22:25	U	1
o-Xylene	95-47-6	<0.000401	0.00199	0.000401	mg/kg	09.25.2020 22:25	U	1
Total Xylenes	1330-20-7	<0.000401		0.000401	mg/kg	09.25.2020 22:25	U	
Total BTEX		<0.000401		0.000401	mg/kg	09.25.2020 22:25	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	104	70 - 130	%		
4-Bromofluorobenzene	122	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 4' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-020 Date Collected: 09.18.2020 12:25 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138099 Date Prep: 09.24.2020 13:22

Prep seq: 7712039

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	221	9.96	0.353	mg/kg	09.24.2020 17:38		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138163 Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.0	50.3	14.0	mg/kg	09.25.2020 16:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.3	11.5	mg/kg	09.25.2020 16:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.3	11.5	mg/kg	09.25.2020 16:43	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 16:43	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	111	70 - 135	%		
o-Terphenyl	109	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000483	0.00199	0.000483	mg/kg	09.25.2020 22:47	U	1
Toluene	108-88-3	<0.000525	0.00199	0.000525	mg/kg	09.25.2020 22:47	U	1
Ethylbenzene	100-41-4	<0.000404	0.00199	0.000404	mg/kg	09.25.2020 22:47	U	1
m,p-Xylenes	179601-23-1	<0.000749	0.00398	0.000749	mg/kg	09.25.2020 22:47	U	1
o-Xylene	95-47-6	<0.000401	0.00199	0.000401	mg/kg	09.25.2020 22:47	U	1
Total Xylenes	1330-20-7	<0.000401		0.000401	mg/kg	09.25.2020 22:47	U	
Total BTEX		<0.000401		0.000401	mg/kg	09.25.2020 22:47	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	118	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 6' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-021 Date Collected: 09.18.2020 12:35 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	575	9.94	0.352	mg/kg	09.25.2020 03:24		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138163 Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	09.25.2020 17:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	09.25.2020 17:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	09.25.2020 17:03	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 17:03	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	107	70 - 135	%		
o-Terphenyl	109	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000489	0.00202	0.000489	mg/kg	09.25.2020 23:10	U	1
Toluene	108-88-3	<0.000532	0.00202	0.000532	mg/kg	09.25.2020 23:10	U	1
Ethylbenzene	100-41-4	<0.000409	0.00202	0.000409	mg/kg	09.25.2020 23:10	U	1
m,p-Xylenes	179601-23-1	<0.000760	0.00403	0.000760	mg/kg	09.25.2020 23:10	U	1
o-Xylene	95-47-6	<0.000406	0.00202	0.000406	mg/kg	09.25.2020 23:10	U	1
Total Xylenes	1330-20-7	<0.000406		0.000406	mg/kg	09.25.2020 23:10	U	
Total BTEX		<0.000406		0.000406	mg/kg	09.25.2020 23:10	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	104	70 - 130	%		
4-Bromofluorobenzene	121	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 8' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-022 Date Collected: 09.18.2020 12:40 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	1760	49.6	1.76	mg/kg	09.25.2020 03:41		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138111 Date Prep: 09.24.2020 16:30

Prep seq: 7712043

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	09.25.2020 03:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	09.25.2020 03:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	09.25.2020 03:18	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 03:18	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	125	70 - 135	%		
o-Terphenyl	121	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.25.2020 23:32	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	09.25.2020 23:32	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	09.25.2020 23:32	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	09.25.2020 23:32	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	09.25.2020 23:32	U	1
Total Xylenes	1330-20-7	<0.000404		0.000404	mg/kg	09.25.2020 23:32	U	
Total BTEX		<0.000404		0.000404	mg/kg	09.25.2020 23:32	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	120	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 10' Matrix: Soil Sample Depth:
 Lab Sample Id: 673399-023 Date Collected: 09.18.2020 12:50 Date Received: 09.23.2020 15:05
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138101 Date Prep: 09.24.2020 15:25
 Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	4230	49.4	1.75	mg/kg	09.25.2020 03:46		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138111 Date Prep: 09.24.2020 16:30
 Prep seq: 7712043

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.8	49.8	13.8	mg/kg	09.25.2020 02:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.8	11.4	mg/kg	09.25.2020 02:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.8	11.4	mg/kg	09.25.2020 02:57	U	1
Total TPH	PHC635	<11.4		11.4	mg/kg	09.25.2020 02:57	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	127	70 - 135	%		
o-Terphenyl	122	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138186 Date Prep: 09.25.2020 14:39
 Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000487	0.00201	0.000487	mg/kg	09.25.2020 23:54	U	1
Toluene	108-88-3	<0.000530	0.00201	0.000530	mg/kg	09.25.2020 23:54	U	1
Ethylbenzene	100-41-4	<0.000408	0.00201	0.000408	mg/kg	09.25.2020 23:54	U	1
m,p-Xylenes	179601-23-1	<0.000757	0.00402	0.000757	mg/kg	09.25.2020 23:54	U	1
o-Xylene	95-47-6	<0.000405	0.00201	0.000405	mg/kg	09.25.2020 23:54	U	1
Total Xylenes	1330-20-7	<0.000405		0.000405	mg/kg	09.25.2020 23:54	U	
Total BTEX		<0.000405		0.000405	mg/kg	09.25.2020 23:54	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	114	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-6, 12' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-024 Date Collected: 09.18.2020 12:55 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	6840	49.9	1.77	mg/kg	09.25.2020 03:52		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138163 Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	09.25.2020 17:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	09.25.2020 17:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	09.25.2020 17:23	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 17:23	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	115	70 - 135	%		
o-Terphenyl	114	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000481	0.00198	0.000481	mg/kg	09.26.2020 00:17	U	1
Toluene	108-88-3	<0.000522	0.00198	0.000522	mg/kg	09.26.2020 00:17	U	1
Ethylbenzene	100-41-4	<0.000402	0.00198	0.000402	mg/kg	09.26.2020 00:17	U	1
m,p-Xylenes	179601-23-1	<0.000746	0.00396	0.000746	mg/kg	09.26.2020 00:17	U	1
o-Xylene	95-47-6	<0.000399	0.00198	0.000399	mg/kg	09.26.2020 00:17	U	1
Total Xylenes	1330-20-7	<0.000399		0.000399	mg/kg	09.26.2020 00:17	U	
Total BTEX		<0.000399		0.000399	mg/kg	09.26.2020 00:17	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	121	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-7, 0-1'

Matrix: Soil

Sample Depth:

Lab Sample Id: 673399-025

Date Collected: 09.18.2020 13:10

Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Analyst: MAB

% Moist:

Tech: MAB

Seq Number: 3138101

Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	264	9.92	0.351	mg/kg	09.25.2020 03:58		1

Analytical Method: TPH by SW8015 Mod

Prep Method: 8015

Analyst: DTH

% Moist:

Tech: DTH

Seq Number: 3138163

Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	09.25.2020 17:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	09.25.2020 17:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	09.25.2020 17:43	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 17:43	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	118	70 - 135	%		
o-Terphenyl	118	70 - 135	%		

Analytical Method: BTEX by EPA 8021B

Prep Method: 5035A

Analyst: MAB

% Moist:

Tech: MAB

Seq Number: 3138186

Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000490	0.00202	0.000490	mg/kg	09.26.2020 00:39	U	1
Toluene	108-88-3	<0.000533	0.00202	0.000533	mg/kg	09.26.2020 00:39	U	1
Ethylbenzene	100-41-4	<0.000410	0.00202	0.000410	mg/kg	09.26.2020 00:39	U	1
m,p-Xylenes	179601-23-1	<0.000761	0.00404	0.000761	mg/kg	09.26.2020 00:39	U	1
o-Xylene	95-47-6	<0.000407	0.00202	0.000407	mg/kg	09.26.2020 00:39	U	1
Total Xylenes	1330-20-7	<0.000407		0.000407	mg/kg	09.26.2020 00:39	U	
Total BTEX		<0.000407		0.000407	mg/kg	09.26.2020 00:39	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	116	70 - 130	%		

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-7, 2' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-026 Date Collected: 09.18.2020 13:15 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	19.3	9.90	0.350	mg/kg	09.25.2020 04:14		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138163 Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	09.25.2020 18:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	09.25.2020 18:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	09.25.2020 18:04	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 18:04	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	114	70 - 135	%		
o-Terphenyl	112	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138186 Date Prep: 09.25.2020 14:39

Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000485	0.00200	0.000485	mg/kg	09.26.2020 01:02	U	1
Toluene	108-88-3	<0.000527	0.00200	0.000527	mg/kg	09.26.2020 01:02	U	1
Ethylbenzene	100-41-4	<0.000405	0.00200	0.000405	mg/kg	09.26.2020 01:02	U	1
m,p-Xylenes	179601-23-1	<0.000752	0.00399	0.000752	mg/kg	09.26.2020 01:02	U	1
o-Xylene	95-47-6	<0.000402	0.00200	0.000402	mg/kg	09.26.2020 01:02	U	1
Total Xylenes	1330-20-7	<0.000402		0.000402	mg/kg	09.26.2020 01:02	U	
Total BTEX		<0.000402		0.000402	mg/kg	09.26.2020 01:02	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	106	70 - 130	%		
4-Bromofluorobenzene	122	70 - 130	%		

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-7, 3' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-027 Date Collected: 09.18.2020 13:20 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	31.7	10.0	0.355	mg/kg	09.25.2020 04:20		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138163 Date Prep: 09.25.2020 12:00

Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	09.25.2020 18:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	09.25.2020 18:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	09.25.2020 18:24	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.25.2020 18:24	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	115	70 - 135	%		
o-Terphenyl	113	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000489	0.00202	0.000489	mg/kg	09.26.2020 00:37	U	1
Toluene	108-88-3	<0.000532	0.00202	0.000532	mg/kg	09.26.2020 00:37	U	1
Ethylbenzene	100-41-4	<0.000409	0.00202	0.000409	mg/kg	09.26.2020 00:37	U	1
m,p-Xylenes	179601-23-1	<0.000760	0.00403	0.000760	mg/kg	09.26.2020 00:37	U	1
o-Xylene	95-47-6	<0.000406	0.00202	0.000406	mg/kg	09.26.2020 00:37	U	1
Total Xylenes	1330-20-7	<0.000406		0.000406	mg/kg	09.26.2020 00:37	U	
Total BTEX		<0.000406		0.000406	mg/kg	09.26.2020 00:37	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	88	70 - 130	%		

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-7, 4' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-028 Date Collected: 09.18.2020 13:25 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	225	10.1	0.357	mg/kg	09.25.2020 04:26		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	09.24.2020 12:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	09.24.2020 12:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	09.24.2020 12:49	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 12:49	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	127	70 - 135	%		
o-Terphenyl	120	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000481	0.00198	0.000481	mg/kg	09.26.2020 01:00	U	1
Toluene	108-88-3	<0.000522	0.00198	0.000522	mg/kg	09.26.2020 01:00	U	1
Ethylbenzene	100-41-4	<0.000402	0.00198	0.000402	mg/kg	09.26.2020 01:00	U	1
m,p-Xylenes	179601-23-1	<0.000746	0.00396	0.000746	mg/kg	09.26.2020 01:00	U	1
o-Xylene	95-47-6	<0.000399	0.00198	0.000399	mg/kg	09.26.2020 01:00	U	1
Total Xylenes	1330-20-7	<0.000399		0.000399	mg/kg	09.26.2020 01:00	U	
Total BTEX		<0.000399		0.000399	mg/kg	09.26.2020 01:00	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	90	70 - 130	%		

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-7, 6' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-029 Date Collected: 09.18.2020 13:40 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	1050	10.0	0.355	mg/kg	09.25.2020 04:31		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	49.9	13.9	mg/kg	09.24.2020 13:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.9	11.4	mg/kg	09.24.2020 13:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	09.24.2020 13:09	U	1
Total TPH	PHC635	<11.4		11.4	mg/kg	09.24.2020 13:09	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	127	70 - 135	%		
o-Terphenyl	117	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000481	0.00198	0.000481	mg/kg	09.26.2020 01:22	U	1
Toluene	108-88-3	<0.000522	0.00198	0.000522	mg/kg	09.26.2020 01:22	U	1
Ethylbenzene	100-41-4	<0.000402	0.00198	0.000402	mg/kg	09.26.2020 01:22	U	1
m,p-Xylenes	179601-23-1	<0.000746	0.00396	0.000746	mg/kg	09.26.2020 01:22	U	1
o-Xylene	95-47-6	<0.000399	0.00198	0.000399	mg/kg	09.26.2020 01:22	U	1
Total Xylenes	1330-20-7	<0.000399		0.000399	mg/kg	09.26.2020 01:22	U	
Total BTEX		<0.000399		0.000399	mg/kg	09.26.2020 01:22	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	94	70 - 130	%		

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673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-7, 8' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-030 Date Collected: 09.18.2020 13:45 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	1180	10.0	0.355	mg/kg	09.25.2020 04:37		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	09.24.2020 13:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	09.24.2020 13:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	50.0	11.4	mg/kg	09.24.2020 13:29	U	1
Total TPH	PHC635	<11.4		11.4	mg/kg	09.24.2020 13:29	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	124	70 - 135	%		
o-Terphenyl	118	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.26.2020 01:45	U	1
Toluene	108-88-3	<0.000528	0.00200	0.000528	mg/kg	09.26.2020 01:45	U	1
Ethylbenzene	100-41-4	<0.000406	0.00200	0.000406	mg/kg	09.26.2020 01:45	U	1
m,p-Xylenes	179601-23-1	<0.000754	0.00400	0.000754	mg/kg	09.26.2020 01:45	U	1
o-Xylene	95-47-6	<0.000403	0.00200	0.000403	mg/kg	09.26.2020 01:45	U	1
Total Xylenes	1330-20-7	<0.000403		0.000403	mg/kg	09.26.2020 01:45	U	
Total BTEX		<0.000403		0.000403	mg/kg	09.26.2020 01:45	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	90	70 - 130	%		

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 0-1' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-031 Date Collected: 09.18.2020 14:00 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	8.42	10.0	0.355	mg/kg	09.25.2020 04:42	J	1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	49.9	13.9	mg/kg	09.24.2020 13:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.9	11.4	mg/kg	09.24.2020 13:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	09.24.2020 13:50	U	1
Total TPH	PHC635	<11.4		11.4	mg/kg	09.24.2020 13:50	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	117	70 - 135	%		
o-Terphenyl	109	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000488	0.00201	0.000488	mg/kg	09.26.2020 02:07	U	1
Toluene	108-88-3	<0.000531	0.00201	0.000531	mg/kg	09.26.2020 02:07	U	1
Ethylbenzene	100-41-4	<0.000409	0.00201	0.000409	mg/kg	09.26.2020 02:07	U	1
m,p-Xylenes	179601-23-1	<0.000758	0.00402	0.000758	mg/kg	09.26.2020 02:07	U	1
o-Xylene	95-47-6	<0.000406	0.00201	0.000406	mg/kg	09.26.2020 02:07	U	1
Total Xylenes	1330-20-7	<0.000406		0.000406	mg/kg	09.26.2020 02:07	U	
Total BTEX		<0.000406		0.000406	mg/kg	09.26.2020 02:07	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	88	70 - 130	%		

Certificate of Analytical Results

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 2' Matrix: Soil Sample Depth:
 Lab Sample Id: 673399-032 Date Collected: 09.18.2020 14:05 Date Received: 09.23.2020 15:05
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138101 Date Prep: 09.24.2020 15:25
 Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	80.0	9.92	0.351	mg/kg	09.25.2020 04:59		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138100 Date Prep: 09.24.2020 11:30
 Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.0	50.3	14.0	mg/kg	09.24.2020 14:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.3	11.5	mg/kg	09.24.2020 14:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.3	11.5	mg/kg	09.24.2020 14:10	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 14:10	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	119	70 - 135	%		
o-Terphenyl	112	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138239 Date Prep: 09.25.2020 16:43
 Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000489	0.00202	0.000489	mg/kg	09.26.2020 02:30	U	1
Toluene	108-88-3	<0.000532	0.00202	0.000532	mg/kg	09.26.2020 02:30	U	1
Ethylbenzene	100-41-4	<0.000409	0.00202	0.000409	mg/kg	09.26.2020 02:30	U	1
m,p-Xylenes	179601-23-1	<0.000760	0.00403	0.000760	mg/kg	09.26.2020 02:30	U	1
o-Xylene	95-47-6	<0.000406	0.00202	0.000406	mg/kg	09.26.2020 02:30	U	1
Total Xylenes	1330-20-7	<0.000406		0.000406	mg/kg	09.26.2020 02:30	U	
Total BTEX		<0.000406		0.000406	mg/kg	09.26.2020 02:30	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Certificate of Analytical Results

673399

Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 3' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-033 Date Collected: 09.18.2020 14:10 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	807	9.96	0.353	mg/kg	09.25.2020 05:04		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.2	13.9	mg/kg	09.24.2020 14:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.2	11.5	mg/kg	09.24.2020 14:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.2	11.5	mg/kg	09.24.2020 14:30	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 14:30	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	119	70 - 135	%		
o-Terphenyl	113	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.26.2020 02:52	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	09.26.2020 02:52	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	09.26.2020 02:52	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	09.26.2020 02:52	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	09.26.2020 02:52	U	1
Total Xylenes	1330-20-7	<0.000404		0.000404	mg/kg	09.26.2020 02:52	U	
Total BTEX		<0.000404		0.000404	mg/kg	09.26.2020 02:52	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	89	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 4' Matrix: Soil Sample Depth:
 Lab Sample Id: 673399-034 Date Collected: 09.18.2020 14:20 Date Received: 09.23.2020 15:05
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138101 Date Prep: 09.24.2020 15:25
 Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	2090	49.9	1.77	mg/kg	09.25.2020 05:21		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138100 Date Prep: 09.24.2020 11:30
 Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	09.24.2020 14:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	09.24.2020 14:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	09.24.2020 14:50	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 14:50	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	124	70 - 135	%		
o-Terphenyl	119	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138239 Date Prep: 09.25.2020 16:43
 Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000485	0.00200	0.000485	mg/kg	09.26.2020 03:15	U	1
Toluene	108-88-3	<0.000527	0.00200	0.000527	mg/kg	09.26.2020 03:15	U	1
Ethylbenzene	100-41-4	<0.000405	0.00200	0.000405	mg/kg	09.26.2020 03:15	U	1
m,p-Xylenes	179601-23-1	<0.000752	0.00399	0.000752	mg/kg	09.26.2020 03:15	U	1
o-Xylene	95-47-6	<0.000402	0.00200	0.000402	mg/kg	09.26.2020 03:15	U	1
Total Xylenes	1330-20-7	<0.000402		0.000402	mg/kg	09.26.2020 03:15	U	
Total BTEX		<0.000402		0.000402	mg/kg	09.26.2020 03:15	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	88	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 6' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-035 Date Collected: 09.18.2020 14:25 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	1250	49.8	1.76	mg/kg	09.25.2020 05:27		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	09.24.2020 15:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	09.24.2020 15:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.0	11.5	mg/kg	09.24.2020 15:10	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 15:10	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	126	70 - 135	%		
o-Terphenyl	121	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000482	0.00198	0.000482	mg/kg	09.26.2020 03:37	U	1
Toluene	108-88-3	<0.000524	0.00198	0.000524	mg/kg	09.26.2020 03:37	U	1
Ethylbenzene	100-41-4	<0.000403	0.00198	0.000403	mg/kg	09.26.2020 03:37	U	1
m,p-Xylenes	179601-23-1	<0.000748	0.00397	0.000748	mg/kg	09.26.2020 03:37	U	1
o-Xylene	95-47-6	<0.000400	0.00198	0.000400	mg/kg	09.26.2020 03:37	U	1
Total Xylenes	1330-20-7	<0.000400		0.000400	mg/kg	09.26.2020 03:37	U	
Total BTEX		<0.000400		0.000400	mg/kg	09.26.2020 03:37	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	91	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 8' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-036 Date Collected: 09.18.2020 14:45 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	5560	49.9	1.77	mg/kg	09.25.2020 05:32		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	49.9	13.9	mg/kg	09.24.2020 15:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.4	49.9	11.4	mg/kg	09.24.2020 15:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.4	49.9	11.4	mg/kg	09.24.2020 15:31	U	1
Total TPH	PHC635	<11.4		11.4	mg/kg	09.24.2020 15:31	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	123	70 - 135	%		
o-Terphenyl	119	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000481	0.00198	0.000481	mg/kg	09.26.2020 03:59	U	1
Toluene	108-88-3	<0.000522	0.00198	0.000522	mg/kg	09.26.2020 03:59	U	1
Ethylbenzene	100-41-4	<0.000402	0.00198	0.000402	mg/kg	09.26.2020 03:59	U	1
m,p-Xylenes	179601-23-1	<0.000746	0.00396	0.000746	mg/kg	09.26.2020 03:59	U	1
o-Xylene	95-47-6	<0.000399	0.00198	0.000399	mg/kg	09.26.2020 03:59	U	1
Total Xylenes	1330-20-7	<0.000399		0.000399	mg/kg	09.26.2020 03:59	U	
Total BTEX		<0.000399		0.000399	mg/kg	09.26.2020 03:59	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	89	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: **S-11, 10'** Matrix: Soil Sample Depth:

Lab Sample Id: 673399-037 Date Collected: 09.18.2020 14:50 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	5690	49.6	1.76	mg/kg	09.25.2020 05:38		5

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.0	50.3	14.0	mg/kg	09.24.2020 16:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.3	11.5	mg/kg	09.24.2020 16:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.3	11.5	mg/kg	09.24.2020 16:12	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 16:12	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	125	70 - 135	%		
o-Terphenyl	119	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.26.2020 05:18	U	1
Toluene	108-88-3	<0.000529	0.00200	0.000529	mg/kg	09.26.2020 05:18	U	1
Ethylbenzene	100-41-4	<0.000407	0.00200	0.000407	mg/kg	09.26.2020 05:18	U	1
m,p-Xylenes	179601-23-1	<0.000755	0.00401	0.000755	mg/kg	09.26.2020 05:18	U	1
o-Xylene	95-47-6	<0.000404	0.00200	0.000404	mg/kg	09.26.2020 05:18	U	1
Total Xylenes	1330-20-7	<0.000404		0.000404	mg/kg	09.26.2020 05:18	U	
Total BTEX		<0.000404		0.000404	mg/kg	09.26.2020 05:18	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: S-11, 12' Matrix: Soil Sample Depth:

Lab Sample Id: 673399-038 Date Collected: 09.18.2020 15:00 Date Received: 09.23.2020 15:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138101 Date Prep: 09.24.2020 15:25

Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	22.1	9.96	0.353	mg/kg	09.25.2020 05:44		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: DTH % Moist: Tech: DTH

Seq Number: 3138100 Date Prep: 09.24.2020 11:30

Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.1	13.9	mg/kg	09.24.2020 16:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.1	11.5	mg/kg	09.24.2020 16:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.1	11.5	mg/kg	09.24.2020 16:32	U	1
Total TPH	PHC635	<11.5		11.5	mg/kg	09.24.2020 16:32	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	124	70 - 135	%		
o-Terphenyl	119	70 - 135	%		

Analytical Method: BTEX by EPA 8021B Prep Method: 5035A

Analyst: MAB % Moist: Tech: MAB

Seq Number: 3138239 Date Prep: 09.25.2020 16:43

Prep seq: 7712177

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000489	0.00202	0.000489	mg/kg	09.26.2020 05:40	U	1
Toluene	108-88-3	<0.000532	0.00202	0.000532	mg/kg	09.26.2020 05:40	U	1
Ethylbenzene	100-41-4	<0.000409	0.00202	0.000409	mg/kg	09.26.2020 05:40	U	1
m,p-Xylenes	179601-23-1	<0.000760	0.00403	0.000760	mg/kg	09.26.2020 05:40	U	1
o-Xylene	95-47-6	<0.000406	0.00202	0.000406	mg/kg	09.26.2020 05:40	U	1
Total Xylenes	1330-20-7	<0.000406		0.000406	mg/kg	09.26.2020 05:40	U	
Total BTEX		<0.000406		0.000406	mg/kg	09.26.2020 05:40	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	96	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: 7712008-1-BLK Matrix: Solid Sample Depth:
 Lab Sample Id: 7712008-1-BLK Date Collected: Date Received:
 Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138023 Date Prep: 09.24.2020 11:00
 Prep seq: 7712008

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	09.24.2020 10:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	09.24.2020 10:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.0	11.5	mg/kg	09.24.2020 10:27	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	111	70 - 135	%		
o-Terphenyl	116	70 - 135	%		

Sample Id: 7712024-1-BLK Matrix: Solid Sample Depth:
 Lab Sample Id: 7712024-1-BLK Date Collected: Date Received:
 Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138100 Date Prep: 09.24.2020 11:30
 Prep seq: 7712024

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	09.24.2020 10:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	09.24.2020 10:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.0	11.5	mg/kg	09.24.2020 10:27	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	106	70 - 135	%		
o-Terphenyl	101	70 - 135	%		

Sample Id: 7712039-1-BLK Matrix: Solid Sample Depth:
 Lab Sample Id: 7712039-1-BLK Date Collected: Date Received:
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138099 Date Prep: 09.24.2020 13:22
 Prep seq: 7712039

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.354	10.0	0.354	mg/kg	09.24.2020 14:40	U	1

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: **7712041-1-BLK** Matrix: Solid Sample Depth:
 Lab Sample Id: 7712041-1-BLK Date Collected: Date Received:
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138101 Date Prep: 09.24.2020 15:25
 Prep seq: 7712041

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.354	10.0	0.354	mg/kg	09.25.2020 03:07	U	1

Sample Id: **7712043-1-BLK** Matrix: Solid Sample Depth:
 Lab Sample Id: 7712043-1-BLK Date Collected: Date Received:
 Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138111 Date Prep: 09.24.2020 16:30
 Prep seq: 7712043

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	09.24.2020 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	09.24.2020 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.0	11.5	mg/kg	09.24.2020 19:54	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	107	70 - 135	%		
o-Terphenyl	102	70 - 135	%		

Sample Id: **7712083-1-BLK** Matrix: Solid Sample Depth:
 Lab Sample Id: 7712083-1-BLK Date Collected: Date Received:
 Analytical Method: TPH by SW8015 Mod Prep Method: 8015
 Analyst: DTH % Moist: Tech: DTH
 Seq Number: 3138163 Date Prep: 09.25.2020 10:30
 Prep seq: 7712083

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<13.9	50.0	13.9	mg/kg	09.25.2020 09:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<11.5	50.0	11.5	mg/kg	09.25.2020 09:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<11.5	50.0	11.5	mg/kg	09.25.2020 09:59	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	101	70 - 135	%		
o-Terphenyl	92	70 - 135	%		

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Talon LPE-Artesia, Artesia, NM

Todd 36 Waterline

Sample Id: **7712103-1-BLK** Matrix: Solid Sample Depth:
 Lab Sample Id: 7712103-1-BLK Date Collected: Date Received:
 Analytical Method: BTEX by EPA 8021B Prep Method: 5035A
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138185 Date Prep: 09.25.2020 09:03
 Prep seq: 7712103

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.25.2020 10:26	U	1
Toluene	108-88-3	<0.000528	0.00200	0.000528	mg/kg	09.25.2020 10:26	U	1
Ethylbenzene	100-41-4	<0.000406	0.00200	0.000406	mg/kg	09.25.2020 10:26	U	1
m,p-Xylenes	179601-23-1	<0.000754	0.00400	0.000754	mg/kg	09.25.2020 10:26	U	1
o-Xylene	95-47-6	<0.000403	0.00200	0.000403	mg/kg	09.25.2020 10:26	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	103	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

Sample Id: **7712104-1-BLK** Matrix: Solid Sample Depth:
 Lab Sample Id: 7712104-1-BLK Date Collected: Date Received:
 Analytical Method: BTEX by EPA 8021B Prep Method: 5035A
 Analyst: MAB % Moist: Tech: MAB
 Seq Number: 3138186 Date Prep: 09.25.2020 14:39
 Prep seq: 7712104

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.25.2020 14:08	U	1
Toluene	108-88-3	<0.000528	0.00200	0.000528	mg/kg	09.25.2020 14:08	U	1
Ethylbenzene	100-41-4	<0.000406	0.00200	0.000406	mg/kg	09.25.2020 14:08	U	1
m,p-Xylenes	179601-23-1	<0.000754	0.00400	0.000754	mg/kg	09.25.2020 14:08	U	1
o-Xylene	95-47-6	<0.000403	0.00200	0.000403	mg/kg	09.25.2020 14:08	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	107	70 - 130	%		
4-Bromofluorobenzene	124	70 - 130	%		

Certificate of Analytical Results

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Talon LPE-Artesia, Artesia, NM
 Todd 36 Waterline

Sample Id: 7712177-1-BLK	Matrix: Solid	Sample Depth:
Lab Sample Id: 7712177-1-BLK	Date Collected:	Date Received:
Analytical Method: BTEX by EPA 8021B		Prep Method: 5035A
Analyst: MAB	% Moist:	Tech: MAB
Seq Number: 3138239	Date Prep: 09.25.2020 16:43	
	Prep seq: 7712177	

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000486	0.00200	0.000486	mg/kg	09.25.2020 22:12	U	1
Toluene	108-88-3	<0.000528	0.00200	0.000528	mg/kg	09.25.2020 22:12	U	1
Ethylbenzene	100-41-4	<0.000406	0.00200	0.000406	mg/kg	09.25.2020 22:12	U	1
m,p-Xylenes	179601-23-1	<0.000754	0.00400	0.000754	mg/kg	09.25.2020 22:12	U	1
o-Xylene	95-47-6	<0.000403	0.00200	0.000403	mg/kg	09.25.2020 22:12	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	88	70 - 130	%		

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138185

Sample: 7712103-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 10:26

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

Lab Batch #: 3138185

Sample: 7712103-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 10:49

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0260	0.0300	87	70-130	

Lab Batch #: 3138185

Sample: 7712103-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 11:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0294	0.0300	98	70-130	
4-Bromofluorobenzene	0.0260	0.0300	87	70-130	

Lab Batch #: 3138185

Sample: 673561-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 11:33

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0265	0.0300	88	70-130	

Lab Batch #: 3138185

Sample: 673561-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 11:56

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0277	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138186

Sample: 7712104-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 14:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	70-130	
4-Bromofluorobenzene	0.0371	0.0300	124	70-130	

Lab Batch #: 3138186

Sample: 7712104-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 14:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	70-130	
4-Bromofluorobenzene	0.0332	0.0300	111	70-130	

Lab Batch #: 3138186

Sample: 7712104-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 14:53

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0326	0.0300	109	70-130	

Lab Batch #: 3138186

Sample: 673561-012 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 15:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0327	0.0300	109	70-130	

Lab Batch #: 3138186

Sample: 673561-012 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 16:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0333	0.0300	111	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138239

Sample: 7712177-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 22:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	70-130	
4-Bromofluorobenzene	0.0265	0.0300	88	70-130	

Lab Batch #: 3138239

Sample: 7712177-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 22:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0271	0.0300	90	70-130	

Lab Batch #: 3138239

Sample: 7712177-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 22:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0252	0.0300	84	70-130	

Lab Batch #: 3138239

Sample: 673399-027 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 23:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	70-130	
4-Bromofluorobenzene	0.0268	0.0300	89	70-130	

Lab Batch #: 3138239

Sample: 673399-027 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 23:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138023

Sample: 7712008-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 10:27

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	58.2	50.0	116	70-135	

Lab Batch #: 3138023

Sample: 7712008-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 10:47

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	121	100	121	70-135	
o-Terphenyl	58.2	50.0	116	70-135	

Lab Batch #: 3138023

Sample: 7712008-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 11:07

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	57.7	50.0	115	70-135	

Lab Batch #: 3138023

Sample: 673419-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.24.2020 11:48

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	131	100	131	70-135	
o-Terphenyl	64.0	50.2	127	70-135	

Lab Batch #: 3138023

Sample: 673419-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.24.2020 12:08

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	135	99.9	135	70-135	
o-Terphenyl	64.8	50.0	130	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138100

Sample: 7712024-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 10:27

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	50.7	50.0	101	70-135	

Lab Batch #: 3138100

Sample: 7712024-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 10:47

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	49.2	50.0	98	70-135	

Lab Batch #: 3138100

Sample: 7712024-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 11:07

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	49.4	50.0	99	70-135	

Lab Batch #: 3138100

Sample: 673381-023 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.24.2020 11:48

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	132	99.7	132	70-135	
o-Terphenyl	61.7	49.9	124	70-135	

Lab Batch #: 3138100

Sample: 673381-023 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.24.2020 12:08

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	134	100	134	70-135	
o-Terphenyl	62.0	50.0	124	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138111

Sample: 7712043-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 19:54

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	107	100	107	70-135	
o-Terphenyl	51.2	50.0	102	70-135	

Lab Batch #: 3138111

Sample: 7712043-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 20:13

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	120	100	120	70-135	
o-Terphenyl	52.4	50.0	105	70-135	

Lab Batch #: 3138111

Sample: 7712043-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.24.2020 20:34

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	128	100	128	70-135	
o-Terphenyl	50.1	50.0	100	70-135	

Lab Batch #: 3138111

Sample: 673428-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.24.2020 21:14

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	127	100	127	70-135	
o-Terphenyl	63.9	50.0	128	70-135	

Lab Batch #: 3138111

Sample: 673428-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.24.2020 21:34

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	63.7	50.1	127	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Todd 36 Waterline

Report Date: 09282020

Work Orders : 673399

Project ID: 2RP-4150

Lab Batch #: 3138163

Sample: 7712083-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 09:59

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	46.1	50.0	92	70-135	

Lab Batch #: 3138163

Sample: 7712083-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 10:19

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	134	100	134	70-135	
o-Terphenyl	63.0	50.0	126	70-135	

Lab Batch #: 3138163

Sample: 7712083-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09.25.2020 10:39

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	133	100	133	70-135	
o-Terphenyl	61.7	50.0	123	70-135	

Lab Batch #: 3138163

Sample: 673493-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 11:19

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	133	99.6	134	70-135	
o-Terphenyl	64.7	49.8	130	70-135	

Lab Batch #: 3138163

Sample: 673493-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09.25.2020 11:40

SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	99.8	130	70-135	
o-Terphenyl	62.4	49.9	125	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Todd 36 Waterline

Work Order #: 673399

Project ID: 2RP-4150

Analyst: MAB

Date Prepared: 09.25.2020

Date Analyzed: 09.25.2020

Lab Batch ID: 3138185

Sample: 7712103-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.000486	0.100	0.115	115	0.100	0.119	119	3	70-130	35	
Toluene	<0.000528	0.100	0.111	111	0.100	0.116	116	4	70-130	35	
Ethylbenzene	<0.000406	0.100	0.102	102	0.100	0.107	107	5	71-129	35	
m,p-Xylenes	<0.000754	0.200	0.205	103	0.200	0.216	108	5	70-135	35	
o-Xylene	<0.000403	0.100	0.102	102	0.100	0.107	107	5	71-133	35	

Analyst: MAB

Date Prepared: 09.25.2020

Date Analyzed: 09.25.2020

Lab Batch ID: 3138186

Sample: 7712104-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.000486	0.100	0.0985	99	0.100	0.109	109	10	70-130	35	
Toluene	<0.000528	0.100	0.0948	95	0.100	0.0995	100	5	70-130	35	
Ethylbenzene	<0.000406	0.100	0.102	102	0.100	0.106	106	4	71-129	35	
m,p-Xylenes	<0.000754	0.200	0.211	106	0.200	0.217	109	3	70-135	35	
o-Xylene	<0.000403	0.100	0.107	107	0.100	0.106	106	1	71-133	35	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Todd 36 Waterline

Work Order #: 673399

Project ID: 2RP-4150

Analyst: MAB

Date Prepared: 09.25.2020

Date Analyzed: 09.25.2020

Lab Batch ID: 3138239

Sample: 7712177-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.000486	0.100	0.104	104	0.100	0.115	115	10	70-130	35	
Toluene	<0.000528	0.100	0.100	100	0.100	0.110	110	10	70-130	35	
Ethylbenzene	<0.000406	0.100	0.0933	93	0.100	0.102	102	9	71-129	35	
m,p-Xylenes	<0.000754	0.200	0.188	94	0.200	0.205	103	9	70-135	35	
o-Xylene	<0.000403	0.100	0.0933	93	0.100	0.101	101	8	71-133	35	

Analyst: MAB

Date Prepared: 09.24.2020

Date Analyzed: 09.24.2020

Lab Batch ID: 3138099

Sample: 7712039-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<0.354	250	256	102	250	256	102	0	90-110	20	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Todd 36 Waterline

Work Order #: 673399

Project ID: 2RP-4150

Analyst: MAB

Date Prepared: 09.24.2020

Date Analyzed: 09.25.2020

Lab Batch ID: 3138101

Sample: 7712041-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<0.354	250	256	102	250	255	102	0	90-110	20	

Analyst: DTH

Date Prepared: 09.24.2020

Date Analyzed: 09.24.2020

Lab Batch ID: 3138023

Sample: 7712008-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	923	92	1000	892	89	3	70-135	35	
Diesel Range Organics (DRO)	<11.5	1000	1030	103	1000	996	100	3	70-135	35	

Analyst: DTH

Date Prepared: 09.24.2020

Date Analyzed: 09.24.2020

Lab Batch ID: 3138100

Sample: 7712024-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	1020	102	1000	975	98	5	70-135	35	
Diesel Range Organics (DRO)	<11.5	1000	1050	105	1000	1010	101	4	70-135	35	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Todd 36 Waterline

Work Order #: 673399

Project ID: 2RP-4150

Analyst: DTH

Date Prepared: 09.24.2020

Date Analyzed: 09.24.2020

Lab Batch ID: 3138111

Sample: 7712043-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	1080	108	1000	1010	101	7	70-135	35	
Diesel Range Organics (DRO)	<11.5	1000	1110	111	1000	1020	102	8	70-135	35	

Analyst: DTH

Date Prepared: 09.25.2020

Date Analyzed: 09.25.2020

Lab Batch ID: 3138163

Sample: 7712083-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	1250	125	1000	974	97	25	70-135	35	
Diesel Range Organics (DRO)	<11.5	1000	913	91	1000	956	96	5	70-135	35	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Todd 36 Waterline

Work Order # : 673399
Lab Batch ID: 3138185
Date Analyzed: 09.25.2020
Reporting Units: mg/kg

QC- Sample ID: 673561-001 S
Date Prepared: 09.25.2020

Report Date: 09282020
Project ID: 2RP-4150
Batch #: 1 **Matrix:** Soil
Analyst: MAB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000486	0.100	0.124	124	0.0998	0.112	112	10	70-130	35	
Toluene	<0.000529	0.100	0.129	129	0.0998	0.106	106	20	70-130	35	
Ethylbenzene	<0.000407	0.100	0.120	120	0.0998	0.0963	96	22	71-129	35	
m,p-Xylenes	<0.000755	0.200	0.242	121	0.200	0.194	97	22	70-135	35	
o-Xylene	<0.000404	0.100	0.117	117	0.0998	0.0948	95	21	71-133	35	

Lab Batch ID: 3138186
Date Analyzed: 09.25.2020
Reporting Units: mg/kg

QC- Sample ID: 673561-012 S
Date Prepared: 09.25.2020

Batch #: 1 **Matrix:** Soil
Analyst: MAB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000485	0.0998	0.0867	87	0.100	0.104	104	18	70-130	35	
Toluene	<0.000527	0.0998	0.0797	80	0.100	0.102	102	25	70-130	35	
Ethylbenzene	<0.000405	0.0998	0.0830	83	0.100	0.103	103	22	71-129	35	
m,p-Xylenes	<0.000752	0.200	0.169	85	0.201	0.215	107	24	70-135	35	
o-Xylene	<0.000402	0.0998	0.0841	84	0.100	0.106	106	23	71-133	35	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Todd 36 Waterline

Work Order # : 673399
Lab Batch ID: 3138239
Date Analyzed: 09.25.2020
Reporting Units: mg/kg

QC- Sample ID: 673399-027 S
Date Prepared: 09.25.2020

Report Date: 09282020
Project ID: 2RP-4150
Batch #: 1 **Matrix:** Soil
Analyst: MAB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000486	0.100	0.128	128	0.100	0.127	127	1	70-130	35	
Toluene	<0.000528	0.100	0.124	124	0.100	0.122	122	2	70-130	35	
Ethylbenzene	<0.000406	0.100	0.115	115	0.100	0.113	113	2	71-129	35	
m,p-Xylenes	<0.000754	0.200	0.232	116	0.200	0.228	114	2	70-135	35	
o-Xylene	<0.000403	0.100	0.113	113	0.100	0.112	112	1	71-133	35	

Lab Batch ID: 3138099
Date Analyzed: 09.24.2020
Reporting Units: mg/kg

QC- Sample ID: 673399-001 S
Date Prepared: 09.24.2020

Batch #: 1 **Matrix:** Soil
Analyst: MAB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	10.9	198	210	101	198	210	101	0	90-110	20	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Todd 36 Waterline

Work Order # : 673399
Lab Batch ID: 3138099
Date Analyzed: 09.24.2020
Reporting Units: mg/kg

QC- Sample ID: 673399-011 S
Date Prepared: 09.24.2020

Report Date: 09282020
Project ID: 2RP-4150
Batch #: 1 **Matrix:** Soil
Analyst: MAB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	63.7	199	265	101	199	266	102	0	90-110	20	

Lab Batch ID: 3138101 **QC- Sample ID:** 673399-021 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 09.25.2020 **Date Prepared:** 09.24.2020 **Analyst:** MAB
Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	575	200	778	102	200	775	100	0	90-110	20	

Lab Batch ID: 3138101 **QC- Sample ID:** 673399-031 S **Batch #:** 1 **Matrix:** Soil
Date Analyzed: 09.25.2020 **Date Prepared:** 09.24.2020 **Analyst:** MAB
Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	8.42	201	209	100	201	209	100	0	90-110	20	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Todd 36 Waterline

Work Order # : 673399
Lab Batch ID: 3138023
Date Analyzed: 09.24.2020
Reporting Units: mg/kg

QC- Sample ID: 673419-001 S
Date Prepared: 09.24.2020

Report Date: 09282020
Project ID: 2RP-4150
Batch #: 1 **Matrix:** Soil
Analyst: DTH

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	871	87	999	872	87	0	70-135	35	
Diesel Range Organics (DRO)	<11.5	1000	968	97	999	996	100	3	70-135	35	

Lab Batch ID: 3138100
Date Analyzed: 09.24.2020
Reporting Units: mg/kg

QC- Sample ID: 673381-023 S
Date Prepared: 09.24.2020

Batch #: 1 **Matrix:** Soil
Analyst: DTH

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<13.8	997	985	99	1000	1000	100	2	70-135	35	
Diesel Range Organics (DRO)	<11.4	997	1030	103	1000	1040	104	1	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Todd 36 Waterline

Work Order # : 673399
Lab Batch ID: 3138111
Date Analyzed: 09.24.2020
Reporting Units: mg/kg

QC- Sample ID: 673428-001 S
Date Prepared: 09.24.2020

Report Date: 09282020
Project ID: 2RP-4150
Batch #: 1 **Matrix:** Soil
Analyst: DTH

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<13.9	1000	1070	107	1000	1050	105	2	70-135	35	
Diesel Range Organics (DRO)	<11.5	1000	1070	107	1000	1040	104	3	70-135	35	

Lab Batch ID: 3138163
Date Analyzed: 09.25.2020
Reporting Units: mg/kg

QC- Sample ID: 673493-001 S
Date Prepared: 09.25.2020

Batch #: 1 **Matrix:** Soil
Analyst: DTH

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<13.8	996	998	100	998	981	98	2	70-135	35	
Diesel Range Organics (DRO)	<11.4	996	992	100	998	955	96	4	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.



Chain of Custody

6733399

Work Order No: 20843734

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:	Rebecca Pons	Bill to: (if different)	Tom Bynum
Company Name:	Talou / LPE	Company Name:	Deva Energy
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	575.441.0980	Email:	tom.bynum@deva.com

Program: ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level: ☐ I ☐ II ☐ III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: ☐ EDD ☐ ADAPT ☐ Other:

Project Name:	700D 36 water line	Turn Around	
Project Number:	2 RP-4150	Routine	☒
Project Location:	Eddy Co, NM	Rush:	
Sampler's Name:	B. Sinclair	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	2.8/2.4			Thermometer ID	TMM007	
Received Intact:	Yes	No		Correction Factor:	-0.2	
Cooler Custody Seals:	Yes	No	N/A	Total Containers:	38	
Sample Custody Seals:	Yes	No	N/A			

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
S-1	0-1'	S	9/18/10	1600		1	BTBX		
S-2	2'	S		1005		1	TPH		
S-2	3'	S		1010		1	Total chlorides		
S-2	4'	S		1015		1			
S-2	6'	S		1025		1			
S-2	8'	S		1030		1			
S-2	10'	S		1035		1			
S-2	12'	S		1045		1			
S-3	0-1'	S		1100		1			
S-3	2'	S		1105		1			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9/23/20 2:10 pm			9/23/20 15:05



Chain of Custody

673394

Work Order No: 20843734

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334

Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crashtad, NM (432) 704-5440
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:	Rebecca Pons	Bill to: (if different)	Tom Bryan
Company Name:	Talon / LPE	Company Name:	Devon Energy
Address:	408 W. Tanya Ave.	Address:	
City/State ZIP:	Astoria NM 88210	City, State ZIP:	
Phone:	575.441.0980	Email:	tom.bryan@clvn.com

Project Name:	Todd 36 Water Line	Turn Around	☒
Project Number:	2.RP.4150	Routine	☒
Project Location:	Eddy Co., NM	Rush:	
Sampler's Name:	B. Sudek	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	22	Received Intact:	Yes	No	Thermometer ID		
Cooler/Custody Seals:	Yes	No	N/A	Correction Factor:			
Sample Custody Seals:	Yes	No	N/A	Total Containers:			

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes
S-3, 3'		S	9/18/20	1110		1	BTEX	MeOH: Me
S-3, 4'				1115		1	TPH	None: NO
S-3, 6'				1125		1	Total Chlorides	HNO3: HN
S-3, 8'				1130		1		H2SO4: H2
S-3, 10'				1140		1		HCL: HL
S-3, 12'				1145		1		NaOH: Na
S-6, 0-1'				1205		1		Zn Acetate+ NaOH: Zn
S-6, 2'				1210		1		TAT starts the day received by the lab, if received by 4:00pm
S-6, 3'				1220		1		
S-6, 4'				1225		1		

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/22/20 2:00 pm	<i>[Signature]</i>	<i>[Signature]</i>	9/23/20 1:00 PM



Chain of Custody

6733974

Work Order No: 20843734

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

www.xenco.com Page 3 of 4

Project Manager:	Rebecca Pons	Bill to: (if different)	Tom Bynum
Company Name:	Talon / LPE	Company Name:	Devon Energy
Address:	408 W. Texas	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.441.0980	Email:	tom.bynum@devon.com

Project Name:	Todd 36 water line	Turn Around	☒
Project Number:	2RP-4150	Routine	☒
Project Location:	Edley Co, NM	Rush:	
Sample Name:	B. Sinclair	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT				ANALYSIS REQUEST			
Temperature (°C):	Temp Blank:	Yes	No	Wet Ice:	Yes	No	
Received In tact:	Yes	No		Thermometer ID:			
Cooler Custody Seal:	Yes	No		Correction Factor:			
Sample Custody Seal:	Yes	No		Total Containers:			
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	
5-6, 6'		S	9/18/20	1235			
5-6, 8'				1240			
5-6, 10'				1250			
5-6, 12'				1255			
5-7, 0-1'				1310			
5-7, 2'				1315			
5-7, 3'				1320			
5-7, 4'				1325			
5-7, 6'				1340			
5-7, 8'				1345			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Basler	Aug 18	9-23-20 2:18pm	Basler	Aug 18	9/23/20 15:05



Chain of Custody

1073399

Work Order No: 20843734

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Page

4 of 4

Project Manager:	Rebecca Pons	Bill to: (if different)	Tom Bynum
Company Name:	Talon / LPF	Company Name:	Devon Energy
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.441.0980	Email:	tom.bynum@devon.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name:	Todd 36 water line	Turn Around	☒
Project Number:	2 RP. 4150	Routine	☒
Project Location:	Gaddy Co, NM	Rush:	
Sampler's Name:	B. Sinclair	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):				Thermometer ID		
Received Intact:	Yes	No				
Cooler Custody Seals:	Yes	No		Correction Factor:		
Sample Custody Seals:	Yes	No		Total Containers:		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes
								MeOH: Me
								None: NO
								HNO3: HN
								H2SO4: H2
								HCL: HL
								NaOH: Na
								Zn Acetate+ NaOH: Zn
								TAT starts the day received by the lab, if received by 4:00pm
								Sample Comments
	S-4, 0-1'	S	9/10/20	1400		1	BTEX	
	S-11, 2'			1405		1	TPH	
	S-11, 3'			1410		1	Total Chlorides	
	S-11, 4'			1420		1		
	S-11, 6'			1425		1		
	S-4, 8'			1445		1		
	S-4, 10'			1450		1		
	S-11, 12'			1500		1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U
1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Eurofins Xenco, LLC
Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 09.23.2020 03.05.00 PM

Work Order #: 673399

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

Samples received in bulk containers.

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:



Cloe Clifton

Date: 09.23.2020

Checklist reviewed by:



Jessica Kramer

Date: 09.23.2020



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

October 23, 2020

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Devon 2RP-4150 Todd 36 St 1 Waterline

OrderNo.: 2010840

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/17/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **2010840**

Date Reported: **10/23/2020**

CLIENT: Talon Artesia

Client Sample ID: S-2 15'

Project: Devon 2RP-4150 Todd 36 St 1 Waterline

Collection Date: 10/15/2020 9:00:00 AM

Lab ID: 2010840-001

Matrix: SOIL

Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	65	60		mg/Kg	20	10/22/2020 12:04:22 AM	55958

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2010840

Date Reported: 10/23/2020

CLIENT: Talon Artesia

Client Sample ID: S-2 20'

Project: Devon 2RP-4150 Todd 36 St 1 Waterline

Collection Date: 10/15/2020 9:10:00 AM

Lab ID: 2010840-002

Matrix: SOIL

Received Date: 10/17/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	90	60		mg/Kg	20	10/22/2020 12:16:42 AM	55958

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010840

23-Oct-20

Client: Talon Artesia

Project: Devon 2RP-4150 Todd 36 St 1 Waterline

Sample ID: LCS-55958	SampType: lcs				TestCode: EPA Method 300.0: Anions					
Client ID: LCSS	Batch ID: 55958				RunNo: 72838					
Prep Date: 10/21/2020	Analysis Date: 10/21/2020				SeqNo: 2560241	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Talon Artesia**

Work Order Number: **2010840**

RcptNo: **1**

Received By: **Emily Mocho**

10/17/2020 7:50:00 AM

Completed By: **Emily Mocho**

10/17/2020 8:57:16 AM

Reviewed By: **DF 10/17/2020**

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:
(<2 or >12 unless noted)

Adjusted? _____

Checked by: **EM 10/17/20**

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good				
2	4.5	Good				

[illegible]

Turn-Around Time: 4-day					
☒ Standard	☐ Rush				
Project Name: Devon Energy ZRP-4150					
Todd 36 St 1 Waterline					
Project #:					
700794.216.02					
Project Manager:					
Brian Rebecca Pons					
Sampler: Brandon Sinclair					
On Ice: ☒ Yes ☐ No					
# of Coolers: 2					
Cooler Temp(Including CF): 3.3 to .1 = 3.4					
Container Type and #	Preservative Type	HEAL No.			
4 oz jar ice		4.4 to .1 = 4.5			
4 oz jar ice		2010840			
		001			
		002			
Received by: [Signature]		Via:	Date	Time	
			10/16/20	1130	
Received by: GIM Courier		Via:	Date	Time	
			10/17/20	750	



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

November 13, 2020

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Devon Energy 2RP 4150 Todd 36 St 1 Waterline

OrderNo.: 2011279

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/5/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2011279

Date Reported: 11/13/2020

CLIENT: Talon Artesia

Client Sample ID: S-6 15'

Project: Devon Energy 2RP 4150 Todd 36 St 1 W

Collection Date: 11/4/2020 10:00:00 AM

Lab ID: 2011279-001

Matrix: SOIL

Received Date: 11/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/10/2020 11:34:09 PM	56349

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2011279

Date Reported: 11/13/2020

CLIENT: Talon Artesia

Client Sample ID: S-6 20'

Project: Devon Energy 2RP 4150 Todd 36 St 1 W

Collection Date: 11/4/2020 10:05:00 AM

Lab ID: 2011279-002

Matrix: SOIL

Received Date: 11/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	85	60		mg/Kg	20	11/11/2020 12:11:24 AM	56349

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2011279

Date Reported: 11/13/2020

CLIENT: Talon Artesia

Client Sample ID: S-7 10'

Project: Devon Energy 2RP 4150 Todd 36 St 1 W

Collection Date: 11/4/2020 10:25:00 AM

Lab ID: 2011279-003

Matrix: SOIL

Received Date: 11/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	580	60		mg/Kg	20	11/11/2020 12:23:48 AM	56349

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2011279

Date Reported: 11/13/2020

CLIENT: Talon Artesia

Client Sample ID: S-7 12'

Project: Devon Energy 2RP 4150 Todd 36 St 1 W

Collection Date: 11/4/2020 10:28:00 AM

Lab ID: 2011279-004

Matrix: SOIL

Received Date: 11/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	86	59		mg/Kg	20	11/11/2020 12:36:13 AM	56349

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2011279

13-Nov-20

Client: Talon Artesia

Project: Devon Energy 2RP 4150 Todd 36 St 1 Waterlin

Sample ID: MB-56349	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 56349	RunNo: 73261
Prep Date: 11/10/2020	Analysis Date: 11/10/2020	SeqNo: 2577813 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-56349	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 56349	RunNo: 73261
Prep Date: 11/10/2020	Analysis Date: 11/10/2020	SeqNo: 2577814 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 93.8 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Sample Log-In Check List

Client Name: **Talon Artesia**

Work Order Number: **2011279**

RcptNo: 1

Received By: **Juan Rojas**

11/5/2020 8:00:00 AM

Completed By: **Desiree Dominguez**

11/5/2020 9:57:56 AM

Reviewed By: *CR*

11/5/20

Guaranga

DP

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *SGL 11/5/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Not Present			
2	0.9	Good	Not Present			

