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Automated Report

Technical Report for

D.C. Dozer Service

Seal State #1 Pit Reclamation

SGS Job Number: DA1386

Sampling Date: 12/21/17

Report to:

**D.C. Dozer Service
1403 Fillmore Street
Sterling, CO 80751
troutman0231@msn.com**

ATTN: Todd Troutman

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

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

Scott Heideman
Laboratory Director

Client Service contact: Jen Jorschumb 303-425-6021

Certifications: CO (CO00049), ID (CO00049), NE (NE-OS-06-04), ND (R-027), NJ (CO007), OK (D9942)
UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L)

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Test results relate only to samples analyzed.

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Sample Summary

D.C. Dozer Service

Job No: DA1386

Seal State #1 Pit Reclamation

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
DA1386-1	12/21/17	12:00 TT	12/28/17	SO	Soil	WP-SW-#2
DA1386-2	12/21/17	12:30 TT	12/28/17	SO	Soil	WP-WW-#2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: DA1386
Account: D.C. Dozer Service
Project: Seal State #1 Pit Reclamation
Collected: 12/21/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA1386-1	WP-SW-#2					
TPH-DRO (C10-C28)		79.8	12	11	mg/kg	SW846-8015B
DA1386-2	WP-WW-#2					
TPH-DRO (C10-C28)		46.1	11	10	mg/kg	SW846-8015B

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: WP-SW-#2	Date Sampled: 12/21/17
Lab Sample ID: DA1386-1	Date Received: 12/28/17
Matrix: SO - Soil	Percent Solids: 82.8
Method: SW846-8015B SW846 3546	
Project: Seal State #1 Pit Reclamation	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI60254.D	1	01/03/18 20:15	RB	01/03/18	OP15887	GF12558
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	79.8	12	11	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	95%		41-134%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: WP-WW-#2	Date Sampled: 12/21/17
Lab Sample ID: DA1386-2	Date Received: 12/28/17
Matrix: SO - Soil	Percent Solids: 87.0
Method: SW846-8015B SW846 3546	
Project: Seal State #1 Pit Reclamation	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI60256.D	1	01/03/18 20:55	RB	01/03/18	OP15887	GF12558
Run #2							

	Initial Weight	Final Volume
Run #1	20.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	46.1	11	10	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	90%		41-134%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-8021 FAX: 303-425-8854
www.acctest.com

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA1386

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company: D.C. Dozer Service		Project Name: Seal State #Pit Reclamation										DRC										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street: 1403 Fillmore St.		Street: NENW Sec 31 10N53W																				
City, State: Sterling, CO 80751		City, State: Logan, CO																				
Project Contact: Tedd Troutman		Project #:																				
Phone: (970) 580-0060		Client Purchase Order #:																				
Email: troutman023@ems1.com		City, State ZIP:																				
Sampler(s) Name(s): Tedd Troutman		Project Manager: Jim Chisem										Attention:										LAB USE ONLY 01 02 mg 12/28/17 YP 12/18/17
Field ID / Point of Collection		Date	Time	Sampled by	Matrix	# of bottles	NONE	HCl	NiOH	HNO3	H2SO4	H2SO4	DI Water	MeOH	ENCORE	NaAS2O4						
WP-SW-#2		12/21/17	12:00pm	TT	98	1	X															
WP-WW-#2		12/21/17	12:30pm	TT		1	X															

Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions									
<input type="checkbox"/> Std. 10 Business Days <input checked="" type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day Emergency <input type="checkbox"/> 2 Day Emergency <input type="checkbox"/> 1 Day Emergency		<input type="checkbox"/> Commercial "A" (Level 1, Results Only) <input type="checkbox"/> Commercial "B" (Level 2, Results + QC Summary) <input type="checkbox"/> COMMBN (Results/QC/Narrative) <input type="checkbox"/> COMMBN+ [Results/QC/Narrative (+ chromatograms)] <input type="checkbox"/> REDT2 <input type="checkbox"/> FULT1										<input type="checkbox"/> Report in PPB <input type="checkbox"/> Report in PPM <input type="checkbox"/> Report MDLs <input type="checkbox"/> EDD Format									

Emergency & Rush TIA data available VIA LabLink. RUSH TAT approval needed.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: [Signature]	Date/Time: 12/28/17 14:18	Received By: [Signature]	Date/Time:	Received By:
Relinquished by Sampler:	Date/Time:	Received By:	Date/Time:	Received By:
Relinquished by Sampler:	Date/Time:	Received By:	Date/Time:	Received By:

Custody Seal # Intact Not intact Absent

Preserved where applicable Cooler Temp. °C: **1.0** Therm. ID: **STPA** On Ice

Form MSQA 084-01, RV 6/19/17

SGS Accutest Sample Receipt Summary

Job Number: DA1386

Client: D.C. DOZER SERVICE

Project: SEAL STATE #/PIT RECLAMATION

Date / Time Received: 12/28/2017 2:18:00 PM

Delivery Method: _____

Airbill #'s: hd

Cooler Temps (Initial/Adjusted): #1: (1/1):

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | <u>IR Gun;</u> | |
| 3. Cooler media: | <u>Ice (Bag)</u> | |
| 4. No. Coolers: | <u>1</u> | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | <u>Intact</u> | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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DA1386: Chain of Custody

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GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA1386
Account: DCDESCOS D.C. Dozer Service
Project: Seal State #1 Pit Reclamation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15887-MB	FI60245.D	1	01/03/18	RB	01/03/18	OP15887	GFI2557

The QC reported here applies to the following samples:

Method: SW846-8015B

DA1386-1, DA1386-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	10	9.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	88% 41-134%

Blank Spike Summary

Job Number: DA1386
Account: DCDESCOS D.C. Dozer Service
Project: Seal State #1 Pit Reclamation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15887-BS	F160247.D	1	01/03/18	RB	01/03/18	OP15887	GFI2557

The QC reported here applies to the following samples:

Method: SW846-8015B

DA1386-1, DA1386-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	250	211	84	35-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	41-134%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA1386
Account: DCDS COS D.C. Dozer Service
Project: Seal State #1 Pit Reclamation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15887-MS	FI60249.D	1	01/03/18	RB	01/03/18	OP15887	GFI2557
OP15887-MSD	FI60251.D	1	01/03/18	RB	01/03/18	OP15887	GFI2557
DA1385-1	FI60253.D	1	01/03/18	RB	01/03/18	OP15887	GFI2557

The QC reported here applies to the following samples:

Method: SW846-8015B

DA1386-1, DA1386-2

CAS No.	Compound	DA1385-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND	263	205	78	265	160	60	25	10-171/30

CAS No.	Surrogate Recoveries	MS	MSD	DA1385-1	Limits
84-15-1	o-Terphenyl	77%	77%	80%	41-134%

* = Outside of Control Limits.

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