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## 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.

**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.

# Table of Contents

-1-

**Section 1: Sample Summary ..... 3**

**Section 2: Summary of Hits ..... 4**

**Section 3: Sample Results ..... 5**

**3.1: DA1386-1: WP-SW-#2 ..... 6**

**3.2: DA1386-2: WP-WW-#2 ..... 7**

**Section 4: Misc. Forms ..... 8**

**4.1: Chain of Custody ..... 9**

**Section 5: GC/LC Semi-volatiles - QC Data Summaries ..... 11**

**5.1: Method Blank Summary ..... 12**

**5.2: Blank Spike Summary ..... 13**

**5.3: Matrix Spike/Matrix Spike Duplicate Summary ..... 14**



Sample Summary

D.C. Dozer Service

Job No: DA1386

Seal State #1 Pit Reclamation

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
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

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

	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	GFI2558
Run #2							

	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  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b>	WP-WW-#2	
<b>Lab Sample ID:</b>	DA1386-2	<b>Date Sampled:</b> 12/21/17
<b>Matrix:</b>	SO - Soil	<b>Date Received:</b> 12/28/17
<b>Method:</b>	SW846-8015B SW846 3546	<b>Percent Solids:</b> 87.0
<b>Project:</b>	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	GFI2558
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

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Includes the following where applicable:

- Chain of Custody





## 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: | IR Gun;                             |                          |
| 3. Cooler media:             | Ice (Bag)                           |                          |
| 4. No. Coolers:              | 1                                   |                          |

### 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:          | Intact                              |                          |

### 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"/> |

DA1386: Chain of Custody

Page 2 of 2

## GC/LC Semi-volatiles

5

### QC Data Summaries

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Includes the following where applicable:

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

Method Blank Summary

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

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15887-BS	FI60247.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: DCDESCOS 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	Q	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.