



08/30/12

Technical Report for

D.C. Dozer Service

Walker 'O' - SWSE Sec 18 8N 57W

Accutest Job Number: D37727

Sampling Date: 08/20/12

Report to:

**D.C. Dozer Service
1403 Fillmore Street
Sterling, CO 80751**

ATTN: Dale Troutman

Total number of pages in report: 31



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


Brad Madadian
Laboratory Director

Client Service contact: Shea Greiner 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

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Test results relate only to samples analyzed.

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Sample Summary

D.C. Dozer Service

Job No: D37727

Walker 'O' - SWSE Sec 18 8N 57W

Sample Number	Collected		Matrix	Received	Code	Type	Client Sample ID
	Date	Time By					
D37727-1	08/20/12	07:00 TT	08/20/12	SO	Soil		N.SKIM PIT #1
D37727-2	08/20/12	07:05 TT	08/20/12	SO	Soil		N.SKIM PIT #2
D37727-3	08/20/12	07:10 TT	08/20/12	SO	Soil		S.SKIM PIT #1
D37727-4	08/20/12	07:15 TT	08/20/12	SO	Soil		S.SKIM PIT #2
D37727-5	08/20/12	07:20 TT	08/20/12	SO	Soil		SLUDGE PILE #1
D37727-6	08/20/12	07:25 TT	08/20/12	SO	Soil		SLUDGE PILE #2
D37727-7	08/20/12	07:30 TT	08/20/12	SO	Soil		SLUDGE PILE #3
D37727-8	08/20/12	07:35 TT	08/20/12	SO	Soil		SLUDGE PILE #4

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

Summary of Hits

Page 1 of 1

Job Number: D37727
Account: D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W
Collected: 08/20/12

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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D37727-1 N.SKIM PIT #1

TPH-DRO (C10-C28)	12.8 J	16	10	mg/kg	SW846-8015B
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D37727-2 N.SKIM PIT #2

No hits reported in this sample.

D37727-3 S.SKIM PIT #1

TPH-DRO (C10-C28)	21.4	16	10	mg/kg	SW846-8015B
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D37727-4 S.SKIM PIT #2

No hits reported in this sample.

D37727-5 SLUDGE PILE #1

TPH-DRO (C10-C28)	6530	160	100	mg/kg	SW846-8015B
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D37727-6 SLUDGE PILE #2

Benzene	717	72	27	ug/kg	SW846 8260B
Toluene	5130	140	72	ug/kg	SW846 8260B
Ethylbenzene	2040	140	27	ug/kg	SW846 8260B
Xylene (total)	10600	290	140	ug/kg	SW846 8260B
TPH-GRO (C6-C10)	91.2	14	7.2	mg/kg	SW846 8015B

D37727-7 SLUDGE PILE #3

Flashpoint At 620 mm Hg	> 200	Deg. F	ASTM D93, PM CC
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D37727-8 SLUDGE PILE #4

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	N.SKIM PIT #1	Date Sampled:	08/20/12
Lab Sample ID:	D37727-1	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846-8015B SW846 3546		
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD16789.D	1	08/25/12	JR	08/22/12	OP6488	GFD866
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	12.8	16	10	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	84%		43-136%		

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

Client Sample ID:	N.SKIM PIT #2	Date Sampled:	08/20/12
Lab Sample ID:	D37727-2	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846 8260B		
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V20094.D	1	08/28/12	BD	n/a	n/a	V3V1167
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	71	27	ug/kg	
108-88-3	Toluene	ND	140	71	ug/kg	
100-41-4	Ethylbenzene	ND	140	27	ug/kg	
1330-20-7	Xylene (total)	ND	280	140	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	89%		64-130%
460-00-4	4-Bromofluorobenzene	108%		62-131%
17060-07-0	1,2-Dichloroethane-D4	109%		70-130%

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

Client Sample ID:	N.SKIM PIT #2	
Lab Sample ID:	D37727-2	Date Sampled: 08/20/12
Matrix:	SO - Soil	Date Received: 08/20/12
Method:	SW846 8015B	Percent Solids: 82.6
Project:	Walker 'O' - SWSE Sec 18 8N 57W	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB17180.D	1	08/21/12	SK	n/a	n/a	GGB945
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	7.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%		

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

Client Sample ID: S.SKIM PIT #1**Lab Sample ID:** D37727-3**Matrix:** SO - Soil**Method:** SW846-8015B SW846 3546**Project:** Walker 'O' - SWSE Sec 18 8N 57W**Date Sampled:** 08/20/12**Date Received:** 08/20/12**Percent Solids:** 82.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD16723.D	1	08/24/12	JR	08/22/12	OP6488	GFD864
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	21.4	16	10	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	84%		43-136%		

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

Client Sample ID:	S.SKIM PIT #2	Date Sampled:	08/20/12
Lab Sample ID:	D37727-4	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V20078.D	1	08/28/12	BD	n/a	n/a	V3V1167
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	70	26	ug/kg	
108-88-3	Toluene	ND	140	70	ug/kg	
100-41-4	Ethylbenzene	ND	140	26	ug/kg	
1330-20-7	Xylene (total)	ND	280	140	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	95%		64-130%
460-00-4	4-Bromofluorobenzene	104%		62-131%
17060-07-0	1,2-Dichloroethane-D4	101%		70-130%

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

Client Sample ID:	S.SKIM PIT #2	
Lab Sample ID:	D37727-4	Date Sampled: 08/20/12
Matrix:	SO - Soil	Date Received: 08/20/12
Method:	SW846 8015B	Percent Solids: 83.5
Project:	Walker 'O' - SWSE Sec 18 8N 57W	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB17181.D	1	08/21/12	SK	n/a	n/a	GGB945
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	7.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%		

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

Client Sample ID:	SLUDGE PILE #1	Date Sampled:	08/20/12
Lab Sample ID:	D37727-5	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846-8015B SW846 3546		
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD16791.D	10	08/25/12	JR	08/22/12	OP6488	GFD866
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	6530	160	100	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	65%		43-136%		

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

Client Sample ID:	SLUDGE PILE #2	Date Sampled:	08/20/12
Lab Sample ID:	D37727-6	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8260B		
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V20095.D	1	08/28/12	BD	n/a	n/a	V3V1167
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	717	72	27	ug/kg	
108-88-3	Toluene	5130	140	72	ug/kg	
100-41-4	Ethylbenzene	2040	140	27	ug/kg	
1330-20-7	Xylene (total)	10600	290	140	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		64-130%
460-00-4	4-Bromofluorobenzene	116%		62-131%
17060-07-0	1,2-Dichloroethane-D4	98%		70-130%

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

Client Sample ID:	SLUDGE PILE #2	
Lab Sample ID:	D37727-6	Date Sampled: 08/20/12
Matrix:	SO - Soil	Date Received: 08/20/12
Method:	SW846 8015B	Percent Solids: 81.9
Project:	Walker 'O' - SWSE Sec 18 8N 57W	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB17183.D	1	08/21/12	SK	n/a	n/a	GGB945
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	91.2	14	7.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	102%		60-140%		

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

Client Sample ID:	SLUDGE PILE #3	Date Sampled:	08/20/12
Lab Sample ID:	D37727-7	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	n/a
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Flashpoint At 620 mm Hg	> 200		Deg. F	1	08/23/12	MM	ASTM D93, PM CC

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SLUDGE PILE #4	Date Sampled:	08/20/12
Lab Sample ID:	D37727-8	Date Received:	08/20/12
Matrix:	SO - Soil	Percent Solids:	n/a
Project:	Walker 'O' - SWSE Sec 18 8N 57W		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Paint Filter Test ^a	< 1.0	1.0	ml/100g	1	08/21/12	MM	SW846 9095B

(a) Contains no free liquid

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Mountain States
4036 Youngfield Street Wheat Ridge, Co 80033
TEL. 303-425-6021 877-737-4521
FAX 303-425-6021

[illegible]

D37727: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D37727

Client: DC DOZER SERVICE

Immediate Client Services Action Required: No

Date / Time Received: 8/20/2012 1:30:00 PM

No. Coolers: 1

Client Service Action Required at Login: No

Project: WALKER "O"

Airbill #'s: HD

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: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input 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"/> |

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 rec'd 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"/> |

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www.accutest.com

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Page 1 of 1

Job Number: D37727
Account: DCDCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V1167-MB	3V20076.D	1	08/28/12	BD	n/a	n/a	V3V1167

The QC reported here applies to the following samples:

Method: SW846 8260B

D37727-2, D37727-4, D37727-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	19	ug/kg	
100-41-4	Ethylbenzene	ND	100	19	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	100% 64-130%
460-00-4	4-Bromofluorobenzene	98% 62-131%
17060-07-0	1,2-Dichloroethane-D4	103% 70-130%

Blank Spike Summary

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Job Number: D37727

Account: DCDCOS D.C. Dozer Service

Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V1167-BS	3V20077.D	1	08/28/12	BD	n/a	n/a	V3V1167

The QC reported here applies to the following samples:

Method: SW846 8260B

D37727-2, D37727-4, D37727-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.4	99	70-130
100-41-4	Ethylbenzene	50	49.2	98	70-130
108-88-3	Toluene	50	45.3	91	70-130
1330-20-7	Xylene (total)	150	147	98	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	97%	64-130%
460-00-4	4-Bromofluorobenzene	101%	62-131%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D37727
Account: DCDSCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D37727-4MS	3V20079.D	1	08/28/12	BD	n/a	n/a	V3V1167
D37727-4MSD	3V20080.D	1	08/28/12	BD	n/a	n/a	V3V1167
D37727-4	3V20078.D	1	08/28/12	BD	n/a	n/a	V3V1167

The QC reported here applies to the following samples:

Method: SW846 8260B

D37727-2, D37727-4, D37727-6

CAS No.	Compound	D37727-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		3480	3360	96	3410	98	1	64-139/30
100-41-4	Ethylbenzene	ND		3480	3380	97	3340	96	1	68-136/30
108-88-3	Toluene	ND		3480	3060	88	2970	85	3	60-130/30
1330-20-7	Xylene (total)	ND		10400	10200	98	10100	97	1	58-142/30

CAS No.	Surrogate Recoveries	MS	MSD	D37727-4	Limits
2037-26-5	Toluene-D8	94%	92%	95%	64-130%
460-00-4	4-Bromofluorobenzene	109%	110%	104%	62-131%
17060-07-0	1,2-Dichloroethane-D4	97%	103%	101%	70-130%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

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Job Number: D37727
Account: DCDESCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB945-MB	GB17168.D	1	08/20/12	SK	n/a	n/a	GGB945

The QC reported here applies to the following samples:

Method: SW846 8015B

D37727-2, D37727-4, D37727-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	94% 60-140%

Blank Spike Summary

Page 1 of 1

Job Number: D37727
Account: DCDESCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB945-BS	GB17169.D	1	08/20/12	SK	n/a	n/a	GGB945

The QC reported here applies to the following samples:

Method: SW846 8015B

D37727-2, D37727-4, D37727-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	130	118	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	107%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D37727
Account: DCDESCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D37719-1MS	GB17171.D	1	08/20/12	SK	n/a	n/a	GGB945
D37719-1MSD	GB17172.D	1	08/20/12	SK	n/a	n/a	GGB945
D37719-1	GB17170.D	1	08/20/12	SK	n/a	n/a	GGB945

The QC reported here applies to the following samples:

Method: SW846 8015B

D37727-2, D37727-4, D37727-6

CAS No.	Compound	D37719-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		166	190	114	192	116	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D37719-1	Limits
120-82-1	1,2,4-Trichlorobenzene	99%	102%	91%	60-140%

* = Outside of Control Limits.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Page 1 of 1

Job Number: D37727
Account: DCDESCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6488-MB	FD16695A.D1		08/24/12	JR	08/22/12	OP6488	GFD864

The QC reported here applies to the following samples:

Method: SW846-8015B

D37727-1, D37727-3, D37727-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	95% 43-136%

Blank Spike Summary

Page 1 of 1

Job Number: D37727
Account: DCDESCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6488-BS	FD16697.D	1	08/24/12	JR	08/22/12	OP6488	GFD864

The QC reported here applies to the following samples:

Method: SW846-8015B

D37727-1, D37727-3, D37727-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	538	81	58-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	43-136%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D37727
Account: DCDESCOS D.C. Dozer Service
Project: Walker 'O' - SWSE Sec 18 8N 57W

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6488-MS	FD16699.D	1	08/24/12	JR	08/22/12	OP6488	GFD864
OP6488-MSD	FD16701.D	1	08/24/12	JR	08/22/12	OP6488	GFD864
D37732-5	FD16703.D	1	08/24/12	JR	08/22/12	OP6488	GFD864

The QC reported here applies to the following samples:

Method: SW846-8015B

D37727-1, D37727-3, D37727-5

CAS No.	Compound	D37732-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		687	549	80	601	88	9	20-183/43

CAS No.	Surrogate Recoveries	MS	MSD	D37732-5	Limits
84-15-1	o-Terphenyl	92%	99%	99%	43-136%

* = Outside of Control Limits.