

Technical Report for

XTO Energy, Inc.

Federal 3S-95-34-44 Pit Samples

Accutest Job Number: D33246

Sampling Date: 03/28/12

Report to:

XTO Energy, Inc.
21459 County Road 5
Rifle, CO 81650
jessica_dooling@xtoenergy.com

ATTN: Jes Dooling

Total number of pages in report: 24



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: Renea Jackson 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

XTO Energy, Inc.

Job No: D33246

Federal 3S-95-34-44 Pit Samples

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
D33246-1	03/28/12	10:00 JD	03/30/12	SO	Soil	RESERVE A
D33246-2	03/28/12	09:50 JD	03/30/12	SO	Soil	RESERVE B
D33246-3	03/28/12	09:40 JD	03/30/12	SO	Soil	CUTTINGS
D33246-4	03/28/12	09:30 JD	03/30/12	SO	Soil	FRESH H2O

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



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: XTO Energy, Inc.

Job No D33246

Site: Federal 3S-95-34-44 Pit Samples

Report Date 4/5/2012 3:07:06 PM

On 03/30/2012, 4 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D33246 was assigned to the project. The lab sample IDs, client sample IDs, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix SO	Batch ID: GGB871
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D33088-13MS, D33088-13MSD were used as the QC samples indicated.
- Sample(s) D33088-13MS, D33088-13MSD have surrogates outside control limits. Probable cause due to matrix interference.
- D33088-13MS/MSD for 1,2,4-Trichlorobenzene: Outside control limits due to possible matrix interference.

Extractables by GC By Method SW846-8015B

Matrix SO	Batch ID: OP5651
------------------	-------------------------

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D33253-1MS, D33253-1MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix SO	Batch ID: GN14338
------------------	--------------------------

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: RESERVE A	Date Sampled: 03/28/12
Lab Sample ID: D33246-1	Date Received: 03/30/12
Matrix: SO - Soil	Percent Solids: 86.6
Method: SW846 8015B	
Project: Federal 3S-95-34-44 Pit Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB15590.D	1	04/03/12	SK	n/a	n/a	GGB871
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	89%		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

3.1
3

Client Sample ID: RESERVE A	Date Sampled: 03/28/12
Lab Sample ID: D33246-1	Date Received: 03/30/12
Matrix: SO - Soil	Percent Solids: 86.6
Method: SW846-8015B SW846 3546	
Project: Federal 3S-95-34-44 Pit Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH002898.D	1	04/04/12	TR	04/02/12	OP5651	GFH150
Run #2							

Run #	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)	ND	15	10	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	59%		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

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Client Sample ID: RESERVE B	
Lab Sample ID: D33246-2	Date Sampled: 03/28/12
Matrix: SO - Soil	Date Received: 03/30/12
Method: SW846 8015B	Percent Solids: 81.2
Project: Federal 3S-95-34-44 Pit Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB15591.D	1	04/03/12	SK	n/a	n/a	GGB871
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	7.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	91%		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

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Client Sample ID: RESERVE B	
Lab Sample ID: D33246-2	Date Sampled: 03/28/12
Matrix: SO - Soil	Date Received: 03/30/12
Method: SW846-8015B SW846 3546	Percent Solids: 81.2
Project: Federal 3S-95-34-44 Pit Samples	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH002900.D	1	04/04/12	TR	04/02/12	OP5651	GFH150
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)	ND	16	11	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	56%		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: CUTTINGS	Date Sampled: 03/28/12
Lab Sample ID: D33246-3	Date Received: 03/30/12
Matrix: SO - Soil	Percent Solids: 88.6
Method: SW846 8015B	
Project: Federal 3S-95-34-44 Pit Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB15592.D	1	04/03/12	SK	n/a	n/a	GGB871
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	90%		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: CUTTINGS	
Lab Sample ID: D33246-3	Date Sampled: 03/28/12
Matrix: SO - Soil	Date Received: 03/30/12
Method: SW846-8015B SW846 3546	Percent Solids: 88.6
Project: Federal 3S-95-34-44 Pit Samples	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH002902.D	1	04/04/12	TR	04/02/12	OP5651	GFH150
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	15	9.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	60%		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

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Client Sample ID: FRESH H2O	
Lab Sample ID: D33246-4	Date Sampled: 03/28/12
Matrix: SO - Soil	Date Received: 03/30/12
Method: SW846 8015B	Percent Solids: 90.2
Project: Federal 3S-95-34-44 Pit Samples	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB15593.D	1	04/03/12	SK	n/a	n/a	GGB871
Run #2							

Run #	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	12	6.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	96%		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

3.4
3

Client Sample ID: FRESH H2O	
Lab Sample ID: D33246-4	Date Sampled: 03/28/12
Matrix: SO - Soil	Date Received: 03/30/12
Method: SW846-8015B SW846 3546	Percent Solids: 90.2
Project: Federal 3S-95-34-44 Pit Samples	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH002904.D	1	04/04/12	TR	04/02/12	OP5651	GFH150
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)	ND	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	53%		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

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

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # D33246

Client / Reporting Information		Project Information				Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company Name XTO Energy		Project Name Federal 35-95-34-44 Pit Samples														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 Address 21459 CRS		Street:														
City State Zip Rifle CO 81650		Billing Information (If different from Report to)														
Project Contact Jessica D. Adams		Company Name														
Phone # 970-675-4192		Street Address														
Sample Name(s) Jess Darling		City State Zip														
Phone #		Attention:														
Project Manager		PO#														
Field ID / Point of Collection		Collection				Number of preserved Bottles										LAB USE ONLY
MECH/ID Vial #		Date	Time	Sampled by	Matrix	# of bottles	HCl	NO3H	HNO3	H2SO4	NONE	D/Water	ENCORE	Bottles		
Reserve A		9/28/2012	10:00	JD	SO	2								1	1	01
Reserve B			9:50			2								1	1	02
Cuttings			9:40			2								1	1	03
Fresh H2O			9:30			2								1	1	04

TPH DRD
TPH GRO

8/30

Turnaround Time (Business days)		Approved By (Accutest PM): / Date:		Data Deliverable Information		Comments / Special Instructions	
<input type="checkbox"/> Std. 10 Business Days				<input type="checkbox"/> Commercial "A" (Level 1)	<input type="checkbox"/> State Forms		
<input checked="" type="checkbox"/> Std. 5 Business Days (By Contract only)				<input type="checkbox"/> Commercial "B" (Level 2)	<input type="checkbox"/> EDD Format		
<input checked="" type="checkbox"/> 5 Day P/ SH				<input type="checkbox"/> Commercial "B" + Narrative	<input type="checkbox"/> PDF		
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> FULLT1 (Level 3+4)			
<input type="checkbox"/> 2 Day EMERGENCY				Commercial 'A' = Results Only			
<input type="checkbox"/> 1 Day EMERGENCY				Commercial 'B' = Results + QC Summary			

Sample Custody must be documented below each time samples change possession, including courier delivery.							
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:
<i>[Signature]</i>	8/28/12 4pm	Rifle Service Center	<i>[Signature]</i>	9/29/12	American Courier	<i>[Signature]</i>	3:30-12:00
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:
Relinquished by:	Date Time:	Received By:	Custody Seal #	<input type="checkbox"/> Intact	Preserved where applicable	<input checked="" type="checkbox"/> Not Intact	On Ice
			6				4.0

4.1
4

D33246: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D33246

Client: XTO

Immediate Client Services Action Required: No

Date / Time Received: 3/30/2012 12:30:00 PM

No. Coolers: 1

Client Service Action Required at Login: No

Project: FEDERAL

Airbill #'s: CO

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	
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"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
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"/>

<u>Sample Integrity - Documentation</u>	<u>Y or N</u>	
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"/>

<u>Sample Integrity - Condition</u>	<u>Y or N</u>	
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	

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
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

4.1
4

GC Volatiles

5

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D33246
Account: XTOECOR XTO Energy, Inc.
Project: Federal 3S-95-34-44 Pit Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB871-MB	GB15580.D	1	04/03/12	SK	n/a	n/a	GGB871

The QC reported here applies to the following samples:

Method: SW846 8015B

D33246-1, D33246-2, D33246-3, D33246-4

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	91% 60-140%

Blank Spike Summary

Job Number: D33246
Account: XTOECOR XTO Energy, Inc.
Project: Federal 3S-95-34-44 Pit Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB871-BS	GB15581.D	1	04/03/12	SK	n/a	n/a	GGB871

The QC reported here applies to the following samples:

Method: SW846 8015B

D33246-1, D33246-2, D33246-3, D33246-4

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	103%	60-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D33246
Account: XTOECOR XTO Energy, Inc.
Project: Federal 3S-95-34-44 Pit Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D33088-13MS	GB15583.D	1	04/03/12	SK	n/a	n/a	GGB871
D33088-13MSD	GB15584.D	1	04/03/12	SK	n/a	n/a	GGB871
D33088-13	GB15582.D	1	04/03/12	SK	n/a	n/a	GGB871

The QC reported here applies to the following samples:

Method: SW846 8015B

D33246-1, D33246-2, D33246-3, D33246-4

CAS No.	Compound	D33088-13 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	436	172	608	100	602	97	1	70-130/30	

CAS No.	Surrogate Recoveries	MS	MSD	D33088-13	Limits
120-82-1	1,2,4-Trichlorobenzene	245%* a	229%* a	383%* a	60-140%

(a) Outside control limits due to possible matrix interference.

5.3.1
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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

Job Number: D33246
Account: XTOECOR XTO Energy, Inc.
Project: Federal 3S-95-34-44 Pit Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5651-MB	FH002878.D	1	04/03/12	TR	04/02/12	OP5651	GFH150

The QC reported here applies to the following samples:

Method: SW846-8015B

D33246-1, D33246-2, D33246-3, D33246-4

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	66% 43-136%

Blank Spike Summary

Job Number: D33246
Account: XTOECOR XTO Energy, Inc.
Project: Federal 3S-95-34-44 Pit Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5651-BS	FH002880.D	1	04/04/12	TR	04/02/12	OP5651	GFH150

The QC reported here applies to the following samples:

Method: SW846-8015B

D33246-1, D33246-2, D33246-3, D33246-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	385	58	58-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	57%	43-136%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D33246
Account: XTOECOR XTO Energy, Inc.
Project: Federal 3S-95-34-44 Pit Samples

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5651-MS	FH002882.D	1	04/04/12	TR	04/02/12	OP5651	GFH150
OP5651-MSD	FH002884.D	1	04/04/12	TR	04/02/12	OP5651	GFH150
D33253-1	FH002912.D	1	04/04/12	TR	04/02/12	OP5651	GFH150

The QC reported here applies to the following samples:

Method: SW846-8015B

D33246-1, D33246-2, D33246-3, D33246-4

CAS No.	Compound	D33253-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	568	743	1000	58	970	54	3	20-183/43

CAS No.	Surrogate Recoveries	MS	MSD	D33253-1	Limits
84-15-1	o-Terphenyl	57%	54%	58%	43-136%