

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

OIL CONS. DIV DIST. 3

JUN 17 2015

Form C-141  
Revised August 8, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Kurt Hoekstra	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100	
Facility Name: Beach Com # 1	Facility Type: Gas Well (Basin Dakota)	
Surface Owner: Private	Mineral Owner	API No.: 30-045-07827

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	26	29N	10W	1845	FSL	1500	FWL	San Juan

Latitude 36.69485 Longitude -107.85788

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11-24-2008
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* The below grade tank was removed at the Beach Com # 1 well site due to P & A of the location. The soil beneath the BGT was sampled for TPH via USEPA Method 8015 and 418.1. The sample returned results above the 'Pit Rule' spill confirmation Standard for TPH of 100 ppm at 4550 ppm via USEPA Method 418.1, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 20 due to an estimated depth to groundwater of less than 50 feet, distance to a water well greater than 1000 feet, and distance to surface water greater than 1000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.\* Between 11-20-2008 and 11-24-2008 approximately 800 CY of impacted soil was excavated and hauled to Envirotechs land farm for disposal. Groundwater was encountered at approximately 13 feet deep. A ground water sample was taken but the results cannot be found. The excavation was backfilled. On 9-21-2011 a groundwater sample was collected using a hand auger to a depth of approximately 13 feet deep this sample returned results below detection limits for BTEX at < 0.0075 mg/l EPA method 8021 this is below the WQCC Standards. Additional soil samples were collected and witnessed by the OCD on 6-2-2015 the results were below the standards for Remediation of Leaks, Spills and Releases. Based on these results XTO believes this location does not pose a risk to human health or the environment and no further action is required.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Kurt Hoekstra</i>		OIL CONSERVATION DIVISION	
Printed Name: Kurt Hoekstra		Approved by Environmental Specialist: <i>Cary</i>	
Title: EHS Coordinator	Approval Date: 8/11/15	Expiration Date:	
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 6-15-2015 Phone: 505-333-3100			

\* Attach Additional Sheets If Necessary

#WCS 15113249797



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Tax I.D. 62-0814289  
Est. 1970

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

### Report Summary

Tuesday September 27, 2011

Report Number: L537740

Samples Received: 09/23/11

Client Project:

Description: Beach COM # 1

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

September 27, 2011

Date Received : September 23, 2011  
Description : Beach COM # 1  
Sample ID : GROUNDWATER  
Collected By : Josh Kirchner  
Collection Date : 09/21/11 10:30

ESC Sample # : L537740-01

Site ID : BEACH COM # 1

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	09/26/11	1
Toluene	BDL	0.0050	mg/l	8021B	09/26/11	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	09/26/11	1
Total Xylene	BDL	0.0015	mg/l	8021B	09/26/11	1
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	98.2		% Rec.	8021B	09/26/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/27/11 12:58 Printed: 09/27/11 12:59

Summary of Remarks For Samples Printed  
09/27/11 at 12:59:23

TSR Signing Reports: 288  
R3 - Rush: Two Day

drywt

Sample: L537740-01 Account: XTORNM Received: 09/23/11 09:00 Due Date: 09/27/11 00:00 RPT Date: 09/27/11 12:58





YOUR LAB OF CHOICE

XTO Energy - San Juan Division  
James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L537740

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September 27, 2011

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/l			WG557332	09/26/11 15:38
Ethylbenzene	< .0005	mg/l			WG557332	09/26/11 15:38
Toluene	< .005	mg/l			WG557332	09/26/11 15:38
Total Xylene	< .0015	mg/l			WG557332	09/26/11 15:38
a,a,a-Trifluorotoluene (PID)		% Rec.	97.50	55-122	WG557332	09/26/11 15:38

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/l	.05	0.0472	94.4	79-114	WG557332
Ethylbenzene	mg/l	.05	0.0513	103.	80-116	WG557332
Toluene	mg/l	.05	0.0517	103.	79-112	WG557332
Total Xylene	mg/l	.15	0.150	100.	84-118	WG557332
a,a,a-Trifluorotoluene (PID)				97.08	55-122	WG557332

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/l	0.0418	0.0472	84.0	79-114	12.1	20	WG557332
Ethylbenzene	mg/l	0.0464	0.0513	93.0	80-116	10.1	20	WG557332
Toluene	mg/l	0.0461	0.0517	92.0	79-112	11.5	20	WG557332
Total Xylene	mg/l	0.134	0.150	90.0	84-118	11.1	20	WG557332
a,a,a-Trifluorotoluene (PID)				95.74	55-122			WG557332

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0467	0	.05	93.3	35-147	L537981-04	WG557332
Ethylbenzene	mg/l	0.0519	0	.05	104.	39-141	L537981-04	WG557332
Toluene	mg/l	0.0525	0	.05	105.	35-148	L537981-04	WG557332
Total Xylene	mg/l	0.151	0	.15	100.	33-151	L537981-04	WG557332
a,a,a-Trifluorotoluene (PID)					96.99	55-122		WG557332

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/l	0.0479	0.0467	95.8	35-147	2.59	20	L537981-04	WG557332
Ethylbenzene	mg/l	0.0525	0.0519	105.	39-141	1.31	20	L537981-04	WG557332
Toluene	mg/l	0.0533	0.0525	106.	35-148	1.45	20	L537981-04	WG557332
Total Xylene	mg/l	0.153	0.151	102.	33-151	1.80	20	L537981-04	WG557332
a,a,a-Trifluorotoluene (PID)				97.72	55-122				WG557332

Batch number / Run number / Sample number cross reference

WG557332: R1871812: L537740-01

\* \* Calculations are performed prior to rounding of reported values.

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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James McDaniel  
382 Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L537740

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September 27, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.







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James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

## Report Summary

Wednesday June 10, 2015

Report Number: L769043

Samples Received: 06/04/15

Client Project: 30-045-07827

Description: Beech Com 1

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

June 10, 2015

Date Received : June 04, 2015  
Description : Beech Com 1  
Sample ID : FARKH-060215-1050  
Collected By : Kurt Hoekstra  
Collection Date : 06/02/15 10:50

ESC Sample # : L769043-01

Site ID :

Project # : 30-045-07827

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.6		%	2540 G-2011	06/06/15	1
Benzene	BDL	0.0032	mg/kg	8021	06/08/15	5
Toluene	BDL	0.032	mg/kg	8021	06/08/15	5
Ethylbenzene	BDL	0.0032	mg/kg	8021	06/08/15	5
Total Xylene	BDL	0.0095	mg/kg	8021	06/08/15	5
TPH (GC/FID) Low Fraction	BDL	0.64	mg/kg	8015	06/08/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.8		% Rec.	8015	06/08/15	1
a,a,a-Trifluorotoluene (PID)	94.5		% Rec.	8021	06/08/15	1
TPH (GC/FID) High Fraction	BDL	5.1	mg/kg	3546/DRO	06/09/15	1
Surrogate recovery(%)						
o-Terphenyl	61.0		% Rec.	3546/DRO	06/09/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

June 10, 2015

Date Received : June 04, 2015  
Description : Beech Com 1  
Sample ID : FARKH-060215-1055  
Collected By : Kurt Hoekstra  
Collection Date : 06/02/15 10:55

ESC Sample # : L769043-02

Site ID :

Project # : 30-045-07827

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.4		%	2540 G-2011	06/06/15	1
Benzene	BDL	0.0030	mg/kg	8021	06/09/15	5
Toluene	BDL	0.030	mg/kg	8021	06/09/15	5
Ethylbenzene	BDL	0.0030	mg/kg	8021	06/09/15	5
Total Xylene	BDL	0.0091	mg/kg	8021	06/09/15	5
TPH (GC/FID) Low Fraction	BDL	0.61	mg/kg	8015	06/09/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.6		% Rec.	8015	06/09/15	1
a,a,a-Trifluorotoluene (PID)	93.6		% Rec.	8021	06/09/15	1
TPH (GC/FID) High Fraction	BDL	4.8	mg/kg	3546/DRO	06/09/15	1
Surrogate recovery(%)						
o-Terphenyl	84.3		% Rec.	3546/DRO	06/09/15	1

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REPORT OF ANALYSIS

James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

June 10, 2015

Date Received : June 04, 2015  
Description : Beech Com 1

Sample ID : FARKH-060215-1100

Collected By : Kurt Hoekstra  
Collection Date : 06/02/15 11:00

ESC Sample # : L769043-03

Site ID :

Project # : 30-045-07827

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	96.3		%	2540 G-2011	06/06/15	1
Benzene	BDL	0.0026	mg/kg	8021	06/09/15	5
Toluene	BDL	0.026	mg/kg	8021	06/09/15	5
Ethylbenzene	BDL	0.0026	mg/kg	8021	06/09/15	5
Total Xylene	BDL	0.0078	mg/kg	8021	06/09/15	5
TPH (GC/FID) Low Fraction	BDL	0.52	mg/kg	8015	06/09/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.5		% Rec.	8015	06/09/15	1
a,a,a-Trifluorotoluene (PID)	94.4		% Rec.	8021	06/09/15	1
TPH (GC/FID) High Fraction	21.	4.2	mg/kg	3546/DRO	06/09/15	1
Surrogate recovery(%)						
o-Terphenyl	78.9		% Rec.	3546/DRO	06/09/15	1

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Det. Limit - Practical Quantitation Limit (PQL)

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# REPORT OF ANALYSIS

James McDaniel  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

June 10, 2015

Date Received : June 04, 2015  
Description : Beech Com 1  
Sample ID : FARKH-060215-1105  
Collected By : Kurt Hoekstra  
Collection Date : 06/02/15 11:05

ESC Sample # : L769043-04

Site ID :

Project # : 30-045-07827

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.8		%	2540 G-2011	06/06/15	1
Benzene	BDL	0.0030	mg/kg	8021	06/09/15	5
Toluene	BDL	0.030	mg/kg	8021	06/09/15	5
Ethylbenzene	BDL	0.0030	mg/kg	8021	06/09/15	5
Total Xylene	BDL	0.0092	mg/kg	8021	06/09/15	5
TPH (GC/FID) Low Fraction	BDL	0.61	mg/kg	8015	06/09/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.3		% Rec.	8015	06/09/15	1
a,a,a-Trifluorotoluene (PID)	93.2		% Rec.	8021	06/09/15	1
TPH (GC/FID) High Fraction	5.1	4.9	mg/kg	3546/DRO	06/09/15	1
Surrogate recovery(%)						
o-Terphenyl	75.6		% Rec.	3546/DRO	06/09/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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James McDaniel  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L769043

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June 10, 2015

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Total Solids	< .1	%			WG793768	06/06/15 10:05
Benzene	< .0005	mg/kg			WG793984	06/08/15 14:09
Ethylbenzene	< .0005	mg/kg			WG793984	06/08/15 14:09
Toluene	< .005	mg/kg			WG793984	06/08/15 14:09
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG793984	06/08/15 14:09
Total Xylene	< .0015	mg/kg			WG793984	06/08/15 14:09
a,a,a-Trifluorotoluene (FID)		% Rec.	101.0	59-128	WG793984	06/08/15 14:09
a,a,a-Trifluorotoluene (PID)		% Rec.	94.10	54-144	WG793984	06/08/15 14:09
TPH (GC/FID) High Fraction	< 4	mg/kg			WG794311	06/09/15 12:36
o-Terphenyl		% Rec.	101.0	50-150	WG794311	06/09/15 12:36

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	77.9	77.5	0.584	5	L769062-03	WG793768

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Total Solids	%	50	50.0	99.9	85-115	WG793768
Benzene	mg/kg	.05	0.0374	74.7	70-130	WG793984
Ethylbenzene	mg/kg	.05	0.0395	79.0	70-130	WG793984
Toluene	mg/kg	.05	0.0383	76.7	70-130	WG793984
Total Xylene	mg/kg	.15	0.120	80.1	70-130	WG793984
a,a,a-Trifluorotoluene (FID)				100.0	59-128	WG793984
a,a,a-Trifluorotoluene (PID)				102.0	54-144	WG793984
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.81	106.	63.5-137	WG793984
a,a,a-Trifluorotoluene (FID)				102.0	59-128	WG793984
a,a,a-Trifluorotoluene (PID)				111.0	54-144	WG793984
TPH (GC/FID) High Fraction	mg/kg	60	50.6	84.3	50-150	WG794311
o-Terphenyl				96.20	50-150	WG794311

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0385	0.0374	77.0	70-130	3.13	20	WG793984
Ethylbenzene	mg/kg	0.0405	0.0395	81.0	70-130	2.60	20	WG793984
Toluene	mg/kg	0.0393	0.0383	79.0	70-130	2.54	20	WG793984
Total Xylene	mg/kg	0.123	0.120	82.0	70-130	2.59	20	WG793984
a,a,a-Trifluorotoluene (FID)				101.0	59-128			WG793984
a,a,a-Trifluorotoluene (PID)				102.0	54-144			WG793984
TPH (GC/FID) Low Fraction	mg/kg	5.78	5.81	105.	63.5-137	0.450	20	WG793984
a,a,a-Trifluorotoluene (FID)				103.0	59-128			WG793984
a,a,a-Trifluorotoluene (PID)				111.0	54-144			WG793984
TPH (GC/FID) High Fraction	mg/kg	52.1	50.6	87.0	50-150	2.98	20	WG794311
o-Terphenyl				96.70	50-150			WG794311

\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

XTO Energy - San Juan Division  
James McDaniel  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L769043

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

June 10, 2015

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/kg	0.187	0.0	.05	75.0	49.7-127	L768478-01	WG793984
Ethylbenzene	mg/kg	0.192	0.0	.05	77.0	40.8-141	L768478-01	WG793984
Toluene	mg/kg	0.189	0.00123	.05	75.0	49.8-132	L768478-01	WG793984
Total Xylene	mg/kg	0.580	0.00236	.15	77.0	41.2-140	L768478-01	WG793984
a,a,a-Trifluorotoluene (FID)					99.00	59-128		WG793984
a,a,a-Trifluorotoluene (PID)					101.0	54-144		WG793984
TPH (GC/FID) Low Fraction	mg/kg	25.3	0.0	5.5	92.0	28.5-138	L768478-01	WG793984
a,a,a-Trifluorotoluene (FID)					100.0	59-128		WG793984
a,a,a-Trifluorotoluene (PID)					110.0	54-144		WG793984
TPH (GC/FID) High Fraction	mg/kg	49.0	1.66	60	79.0	50-150	L769351-01	WG794311
o-Terphenyl					90.10	50-150		WG794311

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0.191	0.187	76.4	49.7-127	2.05	23.5	L768478-01	WG793984
Ethylbenzene	mg/kg	0.195	0.192	77.9	40.8-141	1.36	23.8	L768478-01	WG793984
Toluene	mg/kg	0.192	0.189	76.4	49.8-132	1.57	23.5	L768478-01	WG793984
Total Xylene	mg/kg	0.584	0.580	77.5	41.2-140	0.660	23.7	L768478-01	WG793984
a,a,a-Trifluorotoluene (FID)				99.30	59-128				WG793984
a,a,a-Trifluorotoluene (PID)				101.0	54-144				WG793984
TPH (GC/FID) Low Fraction	mg/kg	21.6	25.3	78.4	28.5-138	16.1	23.6	L768478-01	WG793984
a,a,a-Trifluorotoluene (FID)				99.40	59-128				WG793984
a,a,a-Trifluorotoluene (PID)				109.0	54-144				WG793984
TPH (GC/FID) High Fraction	mg/kg	46.8	49.0	75.2	50-150	4.73	20	L769351-01	WG794311
o-Terphenyl				82.70	50-150				WG794311

Batch number /Run number / Sample number cross reference

WG793768: R3041781: L769043-01 02 03  
WG793984: R3042296: L769043-01 02 03  
WG794311: R3042313: L769043-01 02 03

\* \* Calculations are performed prior to rounding of reported values.  
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

