



Total Extractable Petroleum Hydrocarbons (Diesel)

Case Narrative

NMED Hazardous Waste Bureau

KAFB – BFF 3Q11

Work Order Number: 1107310

1. This report consists of 2 water samples. The samples were received cool and intact by ALS on 07/23/2011.
2. The water samples were extracted by adding hexane to the water sample and shaking the resulting two phase solution according to SOP 603 Revision 12, which was developed at ALS. The hydrocarbons partition into the hexane layer, which is then removed for analysis.
3. The extracts were then analyzed using GC with a ZB-5HT capillary column and a flame ionization detector (FID) according to SOP 406 Revision 15 generally based on SW-846 Method 8000B and Method 8015B. The procedures are based on this general method because SW-846 does not have a specific method for total extractable petroleum hydrocarbons (TEPH) or diesel range organics. The only true modification from this method is that TEPH is a multicomponent mixture and is quantitated by summing the entire range, rather than individual peaks. All positive results were quantitated using the responses from the initial calibration curve using the external standard technique. Also, a confirmation column is not used, because the analyte is a multicomponent mixture and the specific carbon range of the peaks detected is specified on the individual sample reporting forms.
4. All initial and continuing calibration criteria were met.
5. The method blank associated with this project was below the MDL for diesel range organics.
6. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.
7. Sample 1107310-5 was designated as the quality control sample for this analysis.



Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

All matrix spike and matrix spike duplicate recoveries and RPDs were within the acceptance criteria.

8. All samples were extracted and analyzed within the established holding time.
9. All surrogate recoveries were within the acceptance criteria.
10. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 4.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Mindy Norton
Mindy Norton
Organics Primary Data Reviewer

8.16.11
Date

Joel Nolte
Organics Final Data Reviewer

8-16-11
Date



ALS
Data Qualifier Flags
Fuels

- G:** This flag indicates that a pattern resembling gasoline was detected in this sample.
- D:** This flag indicates that a pattern resembling diesel was detected in this sample.
- M:** This flag indicates that a pattern resembling motor oil was detected in this sample.
- C:** This flag indicates that a pattern resembling crude oil was detected in this sample.
- 4:** This flag indicates that a pattern resembling JP-4 was detected in this sample.
- 5:** This flag indicates that a pattern resembling JP-5 was detected in this sample.
- H:** This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L:** This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z:** This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
gasoline
JP-8
diesel
mineral spirits
motor oil
Stoddard solvent
bunker C

Multiple flags may be used to indicate the presence of more than one product or component.



ALS
Data Qualifier Flags
Chromatography and Mass Spectrometry

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the data indicate the presence of a compound that meets the identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is outside the control criteria.
- +:** This flag indicates that the relative percent difference (RPD) exceeds the control criteria.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1107310

Client Name: NMED Hazardous Waste Bureau

Client Project Name: KAFB - BFF 3Q11

Client Project Number:

Client PO Number: 10-667-00-13453

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
106080-A	1107310-1		WATER	22-Jul-11	10:29
106080-B	1107310-2		WATER	22-Jul-11	10:32
106080-C	1107310-3		WATER	22-Jul-11	10:35
106080-D	1107310-4		WATER	22-Jul-11	10:37
106080-E	1107310-5		WATER	22-Jul-11	10:41
106080-F	1107310-6		WATER	22-Jul-11	10:42
106080-G	1107310-7		WATER	22-Jul-11	10:43
106080-H	1107310-8		WATER	22-Jul-11	10:44
106080-I	1107310-9		WATER	22-Jul-11	10:45
106080-J	1107310-10		WATER	22-Jul-11	10:46
106079-A	1107310-11		WATER	22-Jul-11	13:16
106079-B	1107310-12		WATER	22-Jul-11	13:18
106079-C	1107310-13		WATER	22-Jul-11	13:21
106079-D	1107310-14		WATER	22-Jul-11	13:24
106079-E	1107310-15		WATER	22-Jul-11	13:33
106079-F	1107310-16		WATER	22-Jul-11	13:34
106079-G	1107310-17		WATER	22-Jul-11	13:35
106079-H	1107310-18		WATER	22-Jul-11	13:36
106079-I	1107310-19		WATER	22-Jul-11	13:37
106079-J	1107310-20		WATER	22-Jul-11	13:38



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 2028B

WORKORDER #	1107310
PAGE	1 of 2
DISPOSAL	Lab or Return to Client

SAMPLER	3: B/D/S	DATE	7/22/11	TURNAROUND	NORMAL
SITE ID	KATB-106080				
EDD FORMAT					
PURCHASE ORDER					
BILL TO COMPANY	NMED				
INVOICE ATTN TO	DAVE COARAIN				
ADDRESS	2905 RODEO PARK DR				
CITY/STATE/ZIP	SALTA FE, NM 87505				
PHONE	505-476-6055				
FAX					
E-MAIL					

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	ED B	LAB	PAR SUBCS	TOTAL METAL	ACK + ANALYS	NH3 + METALS	SULFIDE	DISS. MET
1	106080-A	W	7/22/11	10:29	3	HCl									
2	106080-B	W		10:32	3	HCl									
3	106080-C	W		10:35	3	HCl									
4	106080-D	W		10:37	1	-									
5	106080-E	W		10:41	1	H2SO4									
6	106080-F	W		10:42	1	-									
7	106080-G	W		10:43	1	H2SO4									
8	106080-H	W		10:44	1	ZnO									
9	106080-I	W		10:45	1	Mu3									
10	106080-J	W	7/22/11	10:46	1	Mu3									

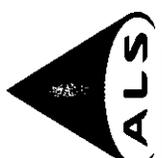
RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME
RECEIVED BY	<i>[Signature]</i>	C Jumble	7/22/11	1320
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments: TOTAL METALS - TAL
DISS. MET - Fe, Mn only
Strongly reduced after
10. Bobby highly contaminated

Reservation Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035



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Chain-of-Custody

Form 20218

WORKORDER # 1107310

PROJECT NAME	KATPS 3Q11	SAMPLER	SSB/DS	DATE	7/22/11	PAGE	3 of 3
PROJECT No.		SITE ID	KATPS-106079	TURNAROUND	NORMAL	DISPOSAL	Return to Client
COMPANY NAME	NMED	EDD FORMAT					
SEND REPORT TO	SID ARAANDWEIN	PURCHASE ORDER					
ADDRESS	5500 SAN ANTONIO AVE	BILL TO COMPANY	NMED				
CITY/STATE/ZIP	AUBA 1MP 87109	INVOICE ATTN TO	DAVE COBRAIN				
PHONE	505-222-9504	ADDRESS	2505 RODEO PARK DR				
FAX		CITY/STATE/ZIP	SANTA FE, NH 07505				
E-MAIL		PHONE	505-476-6055				
		FAX					
		E-MAIL					

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC
(10)	106079 - A	W	7/22/11	1316	3	HCl	
(12)	106079 - B	W		1316	3	HCl	
(13)	106079 - C	W		1321	3	HCl	
(14)	106079 - D	W		1324	1	-	
(15)	106079 - E	W		1333	1	H ₂ SO ₄	
(16)	106079 - F	W		1334	1	-	
(17)	106079 - G	W		1335	1	H ₂ O	
(18)	106079 - H	W		1336	1	ZnCl ₂	
(19)	106079 - I	W		1337	1	HCl	
(20)	106079 - J	W	7/22/11	1336	1	HCl	

RELINQUISHED BY	RECEIVED BY	SIGNATURE	PRINTED NAME	DATE	TIME
		<i>[Signature]</i>	David Sh... / C Trumble	7/24/11 / 7-23-11	1320 / 0955
RELINQUISHED BY	RECEIVED BY				
RELINQUISHED BY	RECEIVED BY				
RELINQUISHED BY	RECEIVED BY				

Time Zone (Circle): EST CST MST PST Matrix: O=oil S=soil NS=non-soil solid W=water L=liquid E=extract F=filter

or metals or anions, please detail analytes below.

Comments: POT METAL - TAL
 DISS MET - Fe Mn only
 (FOR SAMPLING - MAY BE "HOT")

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035



CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED

Workorder No: 1107310

Project Manager: LS

Initials: CDT Date: 7-23-11

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES	NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?		<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES	NO
8. Are all aqueous samples requiring preservation preserved correctly ? (excluding volatiles)	N/A	<input checked="" type="radio"/> YES	NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES	NO
10. Is there sufficient sample for the requested analyses?		<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?		<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)		<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ___ < green pea ___ > green pea	N/A	YES	<input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace ? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES	NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES	NO
17. Were the samples shipped on ice ?		<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 <input checked="" type="radio"/> #4 <input type="radio"/> RAD ONLY		<input checked="" type="radio"/> YES	NO
Cooler #: <u>1</u>			
Temperature (°C): <u>5.4</u>			
No. of custody seals on cooler: <u>2</u>			
External µR/hr reading: <u>15</u>			
Background µR/hr reading: <u>14</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> NA (If no, see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

HEADSPACE: 1107310-12-3 }
-13-3 } < green pea

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: [Signature] 7/25/11

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number

8762 4637 7014

0200

FedEx Retrieval Copy

1 From Date 7/27/11 Sender's FedEx Account Number 1107310

Sender's Name SID BRANDWEIN Phone 505 222-9504

Company NMED

Address 5300 SAN ANTONIO DR. NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference

3 To Recipient's Name LANCE STEERE Phone 970 490-1511

Company ALS LAB

Address 225 COMMERCE DR. 01 HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Address FT. COLLINS 31 HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City FT. COLLINS State CO ZIP 80524-2762



8762 4637 7014

4 Express Package Service to most locations. NOTE: Service order has changed. Please select carefully.

- Next Business Day**
- 06 FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 - 01 FedEx Priority Overnight
Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 - 05 FedEx Standard Overnight
Next business afternoon. Saturday Delivery NOT available.
- 2 or 3 Business Days**
- 49 NEW FedEx 2Day A.M.
Second business morning. Saturday Delivery NOT available.
 - 03 FedEx 2Day
Second business afternoon. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 - 20 FedEx Express Saver
Third business day. Saturday Delivery NOT available.

- 5 Packaging * Declared value limit \$500.
- 06 FedEx Envelope*
 - 02 FedEx Pak*
 - 03 FedEx Box
 - 04 FedEx Tube
 - 01 Other

6 Special Handling and Delivery Signature Options

- 03 SATURDAY DELIVERY
- No Signature Required
Package may be left without obtaining a signature for delivery.
 - Direct Signature
Signature of recipient at address required for delivery. Fee applies.
 - 34 Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.
- Does this shipment contain dangerous goods? **5.4**
- One box must be checked.
- No 04 Yes
As per attached Shipper's Declaration.
 - Yes
Shipper's Declaration not required.
 - 06 Dry Ice
Dry Ice, 9 UN 1845
 - Cargo Aircraft Only
- Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment Bill to:

- Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.
- 1 Sender Acct. No. in Section 1 will be billed.
 - 2 Recipient
 - 3 Third Party
 - 4 Credit Card
 - 5 Cash/Check
- Total Packages 1 Total Weight 40 lbs. Credit Card Auth. 612

*Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details. Rev. Date 11/10 • Part #163136 • ©1994-2010 FedEx • PRINTED IN U.S.A. SRY

Diesel Range Organics

Method SW8015MB

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1107310

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 3Q11

Lab ID: EX110726-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 26-Jul-11

Date Analyzed: 29-Jul-11

Prep Batch: EX110726-1

QCBatchID: EX110726-1-1

Run ID: HCD110728-3A

Cleanup: NONE

Basis: N/A

File Name: F3F39893

Sample Aliquot: 160 ml

Final Volume: 4 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	0.5	0.5	0.17	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	1.19		1.25	95	57 - 132

Data Package ID: HCD1107310-1

Date Printed: Tuesday, August 16, 2011

ALS Environmental -- FC

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LIMS Version: 6.517

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1107310

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 3Q11

Field ID: 106080-E

Lab ID: 1107310-5

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 22-Jul-11

Date Extracted: 26-Jul-11

Date Analyzed: 29-Jul-11

Prep Method: METHOD

Prep Batch: EX110726-1

QC Batch ID: EX110726-1-1

Run ID: HCD110728-3A

Cleanup: NONE

Basis: As Received

File Name: F3F39896

Sample Aliquot: 160 ml

Final Volume: 4 ml

Result Units: MG/L

Clean DF: 1

Analysis ReqCode: 163

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	7.8	0.5	0.17	L	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	1.14		1.25	91	57 - 132

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10 - C18.

Data Package ID: HCD1107310-1

Date Printed: Tuesday, August 16, 2011

ALS Environmental -- FC

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LIMS Version: 6.517

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1107310

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 3Q11

Field ID:	106079-E
Lab ID:	1107310-15

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 22-Jul-11

Date Extracted: 26-Jul-11

Date Analyzed: 29-Jul-11

Prep Method: METHOD

Prep Batch: EX110726-1

QC Batch ID: EX110726-1-1

Run ID: HCD110728-3A

Cleanup: NONE

Basis: As Received

File Name: F3F39899

Sample Aliquot: 160 ml

Final Volume: 4 ml

Result Units: MG/L

Clean DF: 1

Analysis ReqCode: 163

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	14	0.5	0.17	L	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	1.07		1.25	86	57 - 132

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10 - C18.

Data Package ID: HCD1107310-1

Date Printed: Tuesday, August 16, 2011

ALS Environmental -- FC

Page 2 of 2

LIMS Version: 6.517

Diesel Range Organics

Method SW8015MB

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1107310

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 3Q11

Lab ID: EX110726-1LCS	Sample Matrix: WATER % Moisture: N/A Date Collected: N/A Date Extracted: 07/26/2011 Date Analyzed: 07/29/2011 Prep Method: METHOD	Prep Batch: EX110726-1 QCBatchID: EX110726-1-1 Run ID: HCD110728-3A Cleanup: NONE Basis: N/A File Name: F3F39894	Sample Aliquot: 160 ml Final Volume: 4 ml Result Units: MG/L Clean DF: 1
-----------------------	--	---	---

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
68334-30-5	Diesel Range Organics	5	4.88	0.5		98	36 - 150%

Lab ID: EX110726-1LCSD	Sample Matrix: WATER % Moisture: N/A Date Collected: N/A Date Extracted: 07/26/2011 Date Analyzed: 07/29/2011 Prep Method: METHOD	Prep Batch: EX110726-1 QCBatchID: EX110726-1-1 Run ID: HCD110728-3A Cleanup: NONE Basis: N/A File Name: F3F39895	Sample Aliquot: 160 ml Final Volume: 4 ml Result Units: MG/L Clean DF: 1
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CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
68334-30-5	Diesel Range Organics	5	5.03	0.5		101	20	3

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
84-15-1	O-TERPHENYL	1.25	102		96		57 - 132

Data Package ID: HCD1107310-1

Diesel Range Organics

Method SW8015MB

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1107310
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Field ID: 106080-E LabID: 1107310-5MS	Sample Matrix: WATER % Moisture: N/A Date Collected: 22-Jul-11 Date Extracted: 26-Jul-11 Date Analyzed: 29-Jul-11 Prep Method: METHOD	Prep Batch: EX110726-1 QCBatchID: EX110726-1-1 Run ID: HCD110728-3A Cleanup: NONE Basis: As Received	Sample Aliquot: 160 ml Final Volume: 4 ml Result Units: MG/L File Name: F3F39897
--	---	---	---

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
68334-30-5	Diesel Range Organics	7.8	L	12		0.5	5	84	36 - 150%

Field ID: 106080-E LabID: 1107310-5MSD	Sample Matrix: WATER % Moisture: N/A Date Collected: 22-Jul-11 Date Extracted: 26-Jul-11 Date Analyzed: 29-Jul-11 Prep Method: METHOD	Prep Batch: EX110726-1 QCBatchID: EX110726-1-1 Run ID: HCD110728-3A Cleanup: NONE Basis: As Received	Sample Aliquot: 160 ml Final Volume: 4 ml Result Units: MG/L File Name: F3F39898
---	---	---	---

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
68334-30-5	Diesel Range Organics	12		5	83	0.5	20	0

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
84-15-1	O-TERPHENYL	1.25	87		74		57 - 132

Data Package ID: HCD1107310-1