

**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

MECA Consulting, Inc. 620 Contra Costa Blvd. Ste. 102 Pleasant Hill, CA 94523	Client Project ID: #16033.2007; Havens ES Phase I/II EJA	Date Sampled: 07/30/09
	Client Contact: Ramil Arcia	Date Received: 07/30/09
	Client P.O.: #4043	Date Extracted: 07/30/09
		Date Analyzed: 07/30/09

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0907797

Lab ID	0907797-001A	0907797-002A	0907797-003A		Reporting Limit for DF = 1	
Client ID	090730-801S	090730-802S	090730- 803,4,5,6S			
Matrix	S	S	S			
DF	1	1	1			S

Compound	Concentration			mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND	0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND	0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND	0.005	NA

Surrogate Recoveries (%)

%SS1:	94	92	92		
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Comments

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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Sample Receipt Checklist

Client Name: **MECA Consulting, Inc.**

Date and Time Received: **7/30/2009 4:18:53 PM**

Project Name: **#16033.2007; Havens ES Phase I/II EJA**

Checklist completed and reviewed by: **María Venegas**

WorkOrder N°: **0907797**

Matrix: Soil

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 10.6°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: BLUE ICE)

* NOTE: If the "No" box is checked, see comments below.

Client contacted:

Date contacted:

Contacted by:

Comments:

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0907797

ClientCode: MECA

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:

Ramii Arcia
MECA Consulting, Inc.
620 Contra Costa Blvd. Ste. 102
Pleasant Hill, CA 94523
(925) 808-6700 FAX (925) 808-6708

Email: rarcia@mecaenviro.com, kgoodrich@m
cc:
PO: #4043
ProjectNo: #16033.2007; Havens ES Phase I/II EJA

Bill to:

Accounts Payable
MECA, LLC
620 Contra Costa Blvd. Ste. 102
Pleasant Hill, CA 94523

Requested TAT:

1 day

Date Received: 07/30/2009

Date Printed: 07/30/2009

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0907797-001	090730-801S	Soil	7/30/2009	<input type="checkbox"/>	A	A	A										
0907797-002	090730-802S	Soil	7/30/2009	<input type="checkbox"/>	A	A	A										
0907797-003	090730-803,4,5,6S	Soil	7/30/2009	<input type="checkbox"/>	A	A	A										

Test Legend:

1	5-OXYS+PBSCV S	2	G-MBTX S	3	TPH(DMO) S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments: 24hr Rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

0907797

McCAMPBELL ANALYTICAL, INC.

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PITTSBURG, CA 94565-1701

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME RUSH 24 HR 48 HR 72 HR 5 DAY
 GeoTracker EDF PDF Excel Write On (DW)

Report To: Kevin Arora Bill To: _____
Company: Millennium Consulting
E-Mail: Kevin.Arora@millenniumconsulting.com
Tele: (425) 638-0700 Fax: (425) 638-0708
Project #: 0033 2007 Project Name: Water 17 - 17-17-17
Project Location: Haystack EA
Sampler Signature: [Signature]

Analysis Request _____ Other _____ Comments _____

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED								
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	BNO3	Other					
090730-801 S	John 104 S	7/13/07		1	SS		X												
802 S	S N																		
803 S	Spine N																		
804 S	NE																		
805 S	E																		
806 S	SE																		

MDE - BTEX & TPH as Gov 602 / 8021 / 8015 100 as Diesel / Motor Oil 80015 Total Petroleum, Oil & Grease (Total) 80201 (BAT) Total Petroleum Hydrocarbons (TPH) EPA 502.2 / 601 / 8010 / 8021 (HVOCS) EPA 505 / 608 / 8081 (C1 Petroleum) EPA 609 / 8082 (C15 EN1); Arsenic / Congeners EPA 507 / 8141 (AP Petroleum) EPA 515 / 815 (Aromatic & Benzene) EPA 504.2 / 624 / 8260 (VOCs) EPA 505.2 / 625 / 8270 (SVOCs) EPA 8270 SEMI-VOLATILES (PMAS) CAMEL (Automotive) / Truck (400 / 6030) ULTS Metals (200.7 / 300.8 / 6010 / 6020) Lead (200.7 / 200.8 / 6010 / 6020)	Filter Samples for Metals analysis: Yes / No
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Relinquished By: [Signature] Date: 7/30/07 Time: 4:16pm Received By: [Signature] Val
Relinquished By: _____ Date: _____ Time: _____ Received By: _____
Relinquished By: _____ Date: _____ Time: _____ Received By: _____

ICE: 10.0, 10.0, 10.0 COMMENTS: *
GOOD CONDITION * @ Please: 200.7 positive sample
HEAD SPACE ABSENT 805 → 806S *
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
VOAS O&G METALS OTHER
PRESERVATION pH82