



McC Campbell Analytical, Inc.

"When Quality Counts"

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

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0494; City of Emeryville	Date Sampled: 02/08/10
		Date Received: 02/09/10
	Client Contact: Paul King	Date Reported: 02/11/10
	Client P.O.:	Date Completed: 02/11/10

WorkOrder: 1002217

February 11, 2010

Dear Paul:

Enclosed within are:

- 1) The results of the 1 analyzed sample from your project: **#0494; City of Emeryville,**
- 2) A QC report for the above sample,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

CHAIN OF CUSTODY RECORD

1002217

PROJECT NUMBER: 0494		PROJECT NAME: CITY OF EMERYVILLE 1550 PARK AVE EMERYVILLE, CA			NUMBER OF CONTAINERS	ANALYSES(ES): THH-B BTEX, EDB, EX, BY, BAO	PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) MICHAEL DESCHENES Michael Deschenes								
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSES(ES)	PRESERVATIVE	REMARKS
SP1	2/8/10	14:30	SIL	SOIL EXCAVATED FROM LIST REMOVAL EXCAVATION				
ICE/1.4°C ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ DECHLORINATED LAB PRESERVED BY LAB ✓ PRESERVATION: VOCs O&O METALS OTHER								
RELINQUISHED BY: (SIGNATURE) <i>Michael Deschenes</i>		DATE 2/9/10	TIME 5:30	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		TOTAL NO. OF SAMPLES (THIS SHEET) 1	LABORATORY: MC CAMPBELL ANALYTICAL	
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 2/9/10	TIME 5:30	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		TOTAL NO. OF CONTAINERS (THIS SHEET) 4	LABORATORY CONTACT: ANGELA RYDELIUS LABORATORY PHONE NUMBER: (877) 252-9262	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)		SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO		
Results and billing to: P&D Environmental, Inc. lob@pdenviro.com				REMARKS: PLEASE COMPOSITE CONTAINERS SP1 PRIOR TO ANALYSIS.				

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002217

ClientCode: PDEO

- WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0494; City of Emeryville

Bill to:

Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 5 days

Date Received: 02/09/2010

Date Printed: 02/09/2010

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	
1002217-001	SP1	Soil	2/8/2010 14:30	<input type="checkbox"/>	A	A											

Test Legend:

1	MBTEXOXY-8260B S	2	TPH(D) S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Shino Hamilton

Comments:

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.



Sample Receipt Checklist

Client Name: **P & D Environmental**

Date and Time Received: **2/9/2010 6:34:36 PM**

Project Name: **#0494; City of Emeryville**

Checklist completed and reviewed by: **Shino Hamilton**

WorkOrder N°: **1002217** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 1.4°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- Metal - pH acceptable upon receipt (pH<2)? Yes No NA
- Samples Received on Ice? Yes No

(Ice Type: WET ICE)

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

Client contacted:

Date contacted:

Contacted by:

Comments:



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P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0494; City of Emeryville	Date Sampled: 02/08/10
	Client Contact: Paul King	Date Received: 02/09/10
	Client P.O.:	Date Extracted: 02/09/10
		Date Analyzed: 02/10/10

BTEX + EDB and 1,2-DCA by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002217

Lab ID	1002217-001A				Reporting Limit for DF =1	
Client ID	SP1					
Matrix	S					
DF	1					

Compound	Concentration				mg/kg	ug/l.
Benzene	ND				0.005	NA
1,2-Dibromoethane (EDB)	ND				0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND				0.004	NA
Ethylbenzene	ND				0.005	NA
Toluene	ND				0.005	NA
Xylenes	ND				0.005	NA

Surrogate Recoveries (%)

%SS1:	107				
%SS2:	84				

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/method detection 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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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48557

WorkOrder 1002217

EPA Method SW8015B		Extraction SW3550C							Spiked Sample ID: 1002172-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	120	40	109	113	1.14	104	106	1.66	70 - 130	30	70 - 130	30
%SS:	101	25	95	108	12.9	95	97	1.95	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48557 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002217-001A	02/08/10 2:30 PM	02/09/10	02/10/10 7:13 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / ((MS + MSD) / 2)$.
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48587

WorkOrder 1002217

EPA Method SW8260B	Extraction SW5030B								Spiked Sample ID: 1002201-004a			
	Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	75.9	77.2	1.68	86.2	80.3	7.02	70 - 130	30	70 - 130	30
Benzene	ND	0.050	94.4	98.7	4.42	105	100	4.93	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	84.8	81.9	3.52	95.1	89.2	6.37	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	98.4	101	2.13	115	106	7.46	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	93.2	96.4	3.32	106	100	5.55	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	89	91.5	2.83	103	94	9.03	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	90.3	92.9	2.82	103	95	7.83	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	85.3	87.9	2.95	98.1	91.5	6.96	70 - 130	30	70 - 130	30
Toluene	ND	0.050	105	107	1.36	118	112	5.86	70 - 130	30	70 - 130	30
%SS1:	103	0.13	111	112	1.08	113	112	0.775	70 - 130	30	70 - 130	30
%SS2:	121	0.13	111	112	0.523	113	114	0.0106	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48587 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002217-001A	02/08/10 2:30 PM	02/09/10	02/10/10 7:55 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



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Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0494; City of Emeryville	Date Sampled: 02/08/10
		Date Received: 02/09/10
	Client Contact: Paul King	Date Reported: 02/11/10
	Client P.O.:	Date Completed: 02/11/10

WorkOrder: 1002229

February 11, 2010

Dear Paul:

Enclosed within are:

- 1) The results of the 2 analyzed samples from your project: **#0494; City of Emeryville,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

CHAIN OF CUSTODY RECORD

1002229

PROJECT NUMBER: 0494		PROJECT NAME: CITY OF EMERYVILLE 1550 PARK AVE. EMERYVILLE, CA			NUMBER OF CONTAINERS	ANALYSIS(ES): IRL-D MTEX, ERB, EDC, BYBIO	PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) Michael Deschenes <i>Michael Deschenes</i>								
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION				
T1-7.0	2/8/10	13:35	SIL		1	XX	ICE	NORMAL TURN AROUND
T2-6.0	2/8/10	14:00	SIL		1	XX	ICE	" " "
				ICE: 1.4°C				
				GOOD CONDITION <input checked="" type="checkbox"/>	APPROPRIATE CONTAINERS <input checked="" type="checkbox"/>			
				HEAD SPACE ABSENT <input checked="" type="checkbox"/>	PRESERVED IN LAB <input checked="" type="checkbox"/>			
				DECHLORINATED IN LAB <input type="checkbox"/>	PRESERVATION <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
RELINQUISHED BY: (SIGNATURE) <i>Michael Deschenes</i>		DATE 2/9/10	TIME 5:50	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	TOTAL NO. OF SAMPLES (THIS SHEET) 2	LABORATORY: MR CAMPBELL ANALYTICAL		
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 2/9/10	TIME 5:50	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	TOTAL NO. OF CONTAINERS (THIS SHEET) 2	LABORATORY CONTACT: ANGELA RYDELINS (877) 252-9262		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO			
Results and billing to: P&D Environmental, Inc. lob@pdenviro.com				REMARKS:				

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1002229

ClientCode: PDEO

- WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0494; City of Emeryville

Bill to:

Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 5 days

Date Received: 02/09/2010

Date Printed: 02/09/2010

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	
1002229-001	T1 - 7.0	Soil	2/8/2010 13:35	<input type="checkbox"/>	A	A											
1002229-002	T2 - 6.0	Soil	2/8/2010 14:00	<input type="checkbox"/>	A	A											

Test Legend:

1	MBTEXOXY-8260B S	2	TPH(D) S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Shino Hamilton

Comments:

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.



Sample Receipt Checklist

Client Name: **P & D Environmental**

Date and Time Received: **2/9/2010 8:02:10 PM**

Project Name: **#0494; City of Emeryville**

Checklist completed and reviewed by: **Shino Hamilton**

WorkOrder N°: **1002229** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 1.4°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- Metal - pH acceptable upon receipt (pH<2)? Yes No NA
- Samples Received on Ice? Yes No

(Ice Type: WET ICE)

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

Client contacted:

Date contacted:

Contacted by:

Comments:

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 Web: www.mcccampbell.com E-mail: main@mcccampbell.com
 Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0494; City of Emeryville	Date Sampled: 02/08/10
	Client Contact: Paul King	Date Received: 02/09/10
	Client P.O.:	Date Extracted: 02/09/10
		Date Analyzed: 02/10/10

BTEX + EDB and 1,2-DCA by GC/MS*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1002229

Lab ID	1002229-001A	1002229-002A			Reporting Limit for DF =1	
Client ID	T1 - 7.0	T2 - 6.0				
Matrix	S	S				
DF	1	1				

Compound	Concentration				mg/kg	ug/L
	Benzene	ND	ND			0.005
1,2-Dibromoethane (EDB)	ND	ND			0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND			0.004	NA
Ethylbenzene	ND	ND			0.005	NA
Toluene	ND	ND			0.005	NA
Xylenes	ND	ND			0.005	NA

Surrogate Recoveries (%)

%SS1:	116	117		
%SS2:	105	104		

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/method detection 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.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48557

WorkOrder 1002229

EPA Method SW8015B		Extraction SW3550C							Spiked Sample ID: 1002172-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	120	40	109	113	1.14	104	106	1.66	70 - 130	30	70 - 130	30
%SS:	101	25	95	108	12.9	95	97	1.95	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48557 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002229-001A	02/08/10 1:35 PM	02/09/10	02/09/00 9:36 PM	1002229-002A	02/08/10 2:00 PM	02/09/10	02/10/10 6:02 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 48587

WorkOrder 1002229

Analyte	Extraction SW5030B									Spiked Sample ID: 1002201-004a			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)				
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD	
tert-Amyl methyl ether (TAME)	ND	0.050	75.9	77.2	1.68	86.2	80.3	7.02	70 - 130	30	70 - 130	30	
Benzene	ND	0.050	94.4	98.7	4.42	105	100	4.93	70 - 130	30	70 - 130	30	
t-Butyl alcohol (TBA)	ND	0.25	84.8	81.9	3.52	95.1	89.2	6.37	70 - 130	30	70 - 130	30	
1,2-Dibromoethane (EDB)	ND	0.050	98.4	101	2.13	115	106	7.46	70 - 130	30	70 - 130	30	
1,2-Dichloroethane (1,2-DCA)	ND	0.050	93.2	96.4	3.32	106	100	5.55	70 - 130	30	70 - 130	30	
Diisopropyl ether (DIPE)	ND	0.050	89	91.5	2.83	103	94	9.03	70 - 130	30	70 - 130	30	
Ethyl tert-butyl ether (ETBE)	ND	0.050	90.3	92.9	2.82	103	95	7.83	70 - 130	30	70 - 130	30	
Methyl-t-butyl ether (MTBE)	ND	0.050	85.3	87.9	2.95	98.1	91.5	6.96	70 - 130	30	70 - 130	30	
Toluene	ND	0.050	105	107	1.36	118	112	5.86	70 - 130	30	70 - 130	30	
%SS1:	103	0.13	111	112	1.08	113	112	0.775	70 - 130	30	70 - 130	30	
%SS2:	121	0.13	111	112	0.523	113	114	0.0106	70 - 130	30	70 - 130	30	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48587 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1002229-001A	02/08/10 1:35 PM	02/09/10	02/10/10 8:33 PM	1002229-002A	02/08/10 2:00 PM	02/09/10	02/10/10 9:12 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

**McC Campbell Analytical, Inc.**

"When Quality Counts"

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Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0494; City of Emeryville	Date Sampled: 12/09/09
		Date Received: 12/09/09
	Client Contact: Paul King	Date Reported: 12/10/09
	Client P.O.:	Date Completed: 12/10/09

WorkOrder: 0912246

December 10, 2009

Dear Paul:

Enclosed within are:

- 1) The results of the 1 analyzed sample from your project: **#0494; City of Emeryville,**
- 2) A QC report for the above sample,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0912246

ClientCode: PDEO

- WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0494; City of Emeryville

Bill to:

Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 1 day

Date Received: 12/09/2009

Date Printed: 12/09/2009

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			
0912246-001	UST OIL	Oil	12/9/2009 9:30	<input type="checkbox"/>	A														

Test Legend:

1	G-MBTEX Oil	2		3		4		5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

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.



Sample Receipt Checklist

Client Name: **P & D Environmental**

Date and Time Received: **12/9/2009 2:44:44 PM**

Project Name: **#0494; City of Emeryville**

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

WorkOrder N°: **0912246** Matrix Oil

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 7.2°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- Metal - pH acceptable upon receipt (pH<2)? Yes No NA
- Samples Received on Ice? Yes No

(Ice Type: WET ICE)

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

Client contacted:

Date contacted:

Contacted by:

Comments:

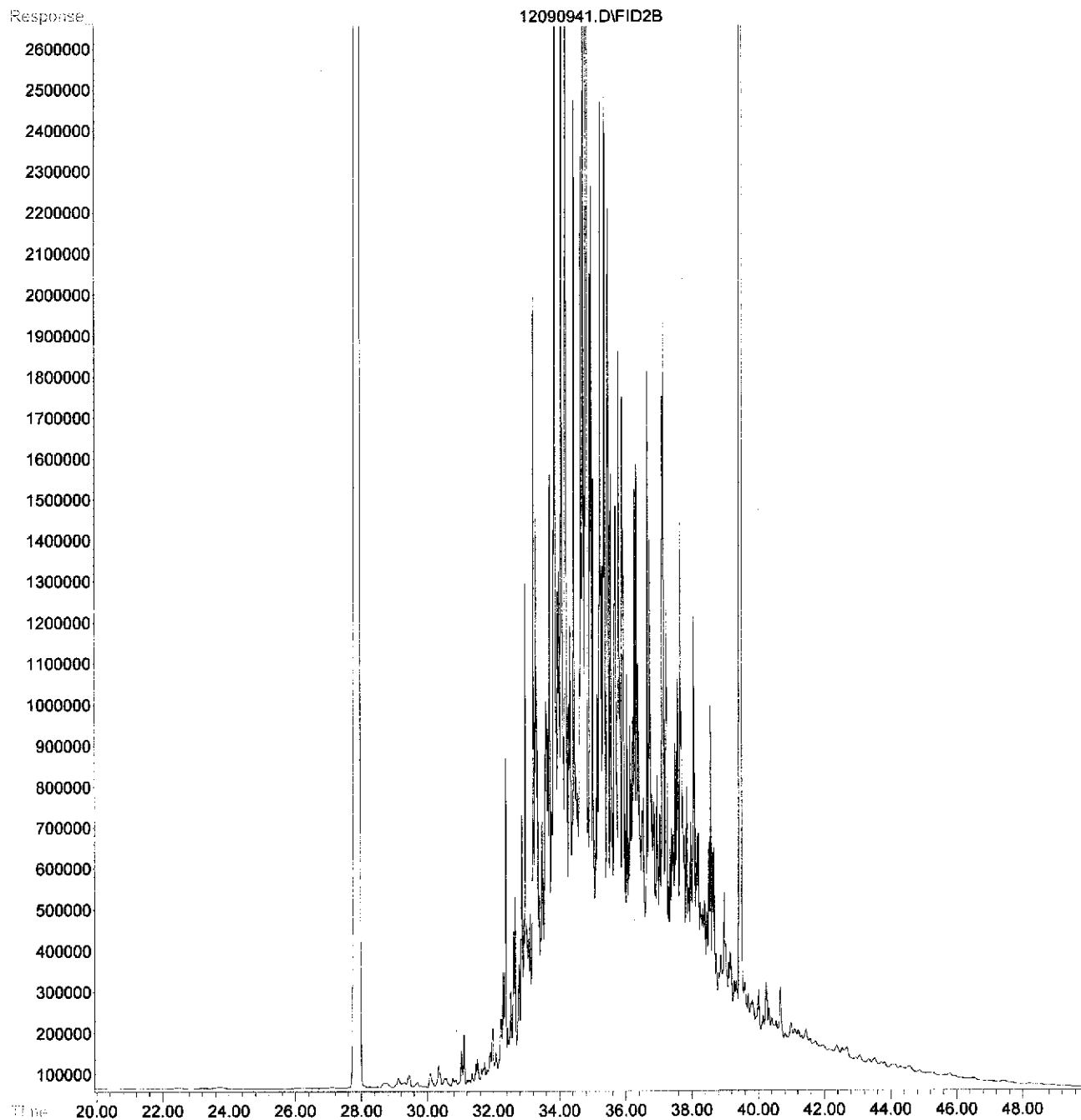
**McC Campbell Analytical, Inc.**

"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

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0494; City of Emeryville		Date Sampled: 12/09/09
	Client Contact: Paul King		Date Received: 12/09/09
	Client P.O.:		Date Analyzed 12/10/09
Fuel FingerPrint *			
Extraction method SW3550C		Analytical methods SW8015B	Work Order: 0912246
Lab ID	Client ID	Matrix	Fuel Fingerprint
0912246-001A	UST OIL	O	This sample shows a significant hydrocarbon pattern that resembles fuel oil, possibly bunker oil. Chromatograms enclosed.

File : D:\HPCHEM\GC11\DATAB\12090941.D
Operator : Thu
Acquired : 10 Dec 2009 9:59 am using AcqMethod GC11AW.M
Instrument : GC-11
Sample Name: 0912246-001A OIL RE
Misc Info : TPH(FF)_O
Vial Number: 71





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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Oil

QC Matrix: Soil

BatchID: 47521

WorkOrder 0912246

Analyte	Extraction SW3550C								Spiked Sample ID: 0912243-012A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	101	101	0	111	112	0.888	70 - 130	30	70 - 130	30
%SS:	105	50	101	101	0	95	97	2.56	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47521 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0912246-001A	12/09/09 9:30 AM	12/09/09	12/10/09 9:59 AM				


MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

 QA/QC Officer