

RECEIVED

By Alameda County Environmental Health at 3:38 pm, Apr 17, 2014



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
<http://www.mcccampbell.com> / E-mail: main@mcccampbell.com

Analytical Report

Cook Environmental Services, Inc. 1485 Treat Blvd, Ste. 203A Walnut Creek, CA 94597	Client Project ID: #1035; Alameda Gas	Date Sampled: 05/16/12
		Date Received: 05/17/12
	Client Contact: Tim Cook	Date Reported: 05/22/12
	Client P.O.:	Date Completed: 05/21/12

WorkOrder: 1205512

May 23, 2012

Dear Tim:

Enclosed within are:

- 1) The results of the **5** analyzed samples from your project: **#1035; Alameda Gas,**
- 2) QC data for the above samples, and
- 3) A copy of the chain of custody.

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.

The analytical results relate only to the items tested.

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1205512

ClientCode: CESW

WaterTrax
 WriteOn
 EDF
 Excel
 Fax
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

Tim Cook
 Cook Environmental Services, Inc.
 1485 Treat Blvd, Ste. 203A
 Walnut Creek, CA 94597
 925-937-1759 FAX: 925-937-1759

Email: tcook@cookenvironmental.com
 cc:
 PO:
 ProjectNo: #1035; Alameda Gas

Bill to:

Tim Cook
 Cook Environmental Services, Inc.
 1485 Treat Blvd, Ste. 203A
 Walnut Creek, CA 94597

Requested TAT:

5 days

Date Received: 05/17/2012

Date Printed: 05/17/2012

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	
1205512-001	MW-1	Water	5/16/2012	<input type="checkbox"/>	A	B											
1205512-002	MW-2	Water	5/16/2012	<input type="checkbox"/>	A	B											
1205512-003	MW-3	Water	5/16/2012	<input type="checkbox"/>	A	B											
1205512-004	MW-4	Water	5/16/2012	<input type="checkbox"/>	A	B											
1205512-005	MW-5	Water	5/16/2012	<input type="checkbox"/>	A	B											

Test Legend:

1	G-MBTEX_W	2	TPH(D)_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

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: **Cook Environmental Services, Inc.**

Date and Time Received: **5/17/2012 10:42:15 AM**

Project Name: **#1035; Alameda Gas**

LogIn Reviewed by: **Melissa Valles**

WorkOrder N°: **1205512** Matrix: Water

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 type="checkbox"/>	No <input checked="" type="checkbox"/>	
Container/Temp Blank temperature	Cooler Temp: 10.8°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
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: WET ICE)

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

 Comments: g-mbtex has a 14 day hold time and diesel has a 7 day hold time.



Cook Environmental Services, Inc. 1485 Treat Blvd, Ste. 203A Walnut Creek, CA 94597	Client Project ID: #1035; Alameda Gas	Date Sampled: 05/16/12
		Date Received: 05/17/12
	Client Contact: Tim Cook	Date Extracted: 05/18/12-05/21/12
	Client P.O.:	Date Analyzed: 05/18/12-05/21/12

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1205512

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	2700	ND	2.2	18	41	41	1	--#	d2,d9,b1
002A	MW-2	W	ND	ND	ND	ND	ND	ND	1	93	
003A	MW-3	W	5300	ND<80	41	21	14	24	10	121	d1
004A	MW-4	W	ND	ND	ND	ND	ND	ND	1	99	
005A	MW-5	W	760	220	15	3.1	0.57	4.3	1	116	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	mg/Kg

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:
 b1) aqueous sample that contains greater than ~1 vol. % sediment
 d1) weakly modified or unmodified gasoline is significant
 d2) heavier gasoline range compounds are significant (aged gasoline?)
 d9) no recognizable pattern



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 67689

WorkOrder: 1205512

EPA Method: SW8021B/8015Bm		Extraction: SW5030B					Spiked Sample ID: 1205529-008A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH(btex) £	ND	60	81.2	84.7	4.25	85.1	70 - 130	20	70 - 130	
MTBE	ND	10	89.6	92.6	3.32	88.6	70 - 130	20	70 - 130	
Benzene	ND	10	93.1	94.1	1.07	94.8	70 - 130	20	70 - 130	
Toluene	ND	10	92.8	97	4.42	98.1	70 - 130	20	70 - 130	
Ethylbenzene	ND	10	94.5	101	6.32	101	70 - 130	20	70 - 130	
Xylenes	ND	30	98.1	102	3.55	104	70 - 130	20	70 - 130	
%SS:	100	10	94	96	2.30	95	70 - 130	20	70 - 130	

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

BATCH 67689 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1205512-003A	05/16/12	05/19/12	05/19/12 2:44 AM	1205512-005A	05/16/12	05/19/12	05/19/12 3:13 AM
1205512-005A	05/16/12	05/21/12	05/21/12 8:08 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.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = matrix interference and/or 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, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 67690

WorkOrder: 1205512

EPA Method: SW8021B/8015Bm		Extraction: SW5030B					Spiked Sample ID: 1205512-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH(btex) £	ND	60	93.5	94.2	0.682	120	70 - 130	20	70 - 130	
MTBE	ND	10	105	103	2.44	106	70 - 130	20	70 - 130	
Benzene	ND	10	88.4	87.1	1.52	87.2	70 - 130	20	70 - 130	
Toluene	ND	10	88.2	86.3	2.18	87	70 - 130	20	70 - 130	
Ethylbenzene	ND	10	87.7	86.3	1.59	89.6	70 - 130	20	70 - 130	
Xylenes	ND	30	92.6	89.7	3.18	92.9	70 - 130	20	70 - 130	
%SS:	93	10	93	93	0	94	70 - 130	20	70 - 130	

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

BATCH 67690 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1205512-001A	05/16/12	05/18/12	05/18/12 5:33 PM	1205512-002A	05/16/12	05/18/12	05/18/12 6:03 PM
1205512-004A	05/16/12	05/18/12	05/18/12 6:33 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.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = matrix interference and/or 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, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 67625

WorkOrder: 1205512

EPA Method: SW8015B		Extraction: SW3510C					Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS	
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	112	N/A	N/A	70 - 130	
%SS:	N/A	625	N/A	N/A	N/A	89	N/A	N/A	70 - 130	

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

BATCH 67625 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1205512-001B	05/16/12	05/17/12	05/17/12 11:03 PM	1205512-002B	05/16/12	05/17/12	05/17/12 6:37 PM
1205512-003B	05/16/12	05/17/12	05/17/12 5:30 PM	1205512-004B	05/16/12	05/17/12	05/17/12 11:03 PM
1205512-005B	05/16/12	05/17/12	05/17/12 9:57 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.