

ARTESIAN ENVIRONMENTAL

General Engineering Contracting License 622461: A, B, C-57, Haz., Asb.
229 Tewksbury Ave., Pt. Richmond, CA 94801
Telephone (510) 307-9943 • Facsimile (510) 232-2823 • e-mail: augerpro@aol.com

Phase I Environmental Assessments • Limited Access Drilling • Asbestos and Lead Inspections
Remediations Tank Removals • Potentially Responsible Party Studies • Subsurface Investigations • EIRs

FACSIMILE TRANSMISSION

TO: Ms. Eva Chu FAX: (510) 337-9335

DATE: 10/19/98 JOB #: 378-002-01

FROM: Paul Jones TOTAL SHEETS: 6

MESSAGE: RE: 603 Key Route Blvd
Albany, California

Following are sample results from
the analysis of one of the
soil samples collected from
beneath the UST at the
subject site.



NOTES: If you did not receive the complete transmission, please call. This fax is privileged and confidential. If you are not an intended recipient, you are notified that any disclosure, dissemination or duplication of this fax is not authorized, and no waiver of any privilege or confidentiality is intended by your receipt of this transmission.

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McCAMBELL ANALYTICAL INC.
 110 2ND AVENUE SOUTH, RD7
 PACHECO, CA 94553
 Telephone: (510) 798-1620 Fax: (510) 798-1622

CHAIN OF CUSTODY RECORD
 TURN AROUND TIME
 RUSH 24 HOUR 48 HOUR 5 DAY

Report To: Paul Jones Bill To: _____
 Company: Antesian Environmental
 229 Tewksbury Avenue
 Point Richmond, CA 94801
 Tele: (510) 232-2827 Fax: (510) 232-2823
 Project #: 378-002-01 Project Name: Albany USD
 Project Location: 603 Key Bank Bldg., Albany
 Sampler Signature: _____

SAMPLE ID	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments																		
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other				BTEX & TPH as Gas (EPA 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (SP18 EPA 821)	Total Petroleum Hydrocarbons (d18.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 808 / 8080	EPA 808 / 8080 PCB'S ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH'S / PNA'S by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239 26010)	RCI			
CS-North Wall		10/14/98	1610	1			X				X																								Hold
CS-West Wall		10/14/98	1635	1			X				X																								Hold
CS-South Wall		10/14/98	1645	1			X				X																								Hold
CS-East		10/14/98	1920	1			X				X			X	X	X																			Hold
CS-West		10/14/98	1930	1			X				X			X	X	X																			Hold

Relinquished By: _____	Date: _____	Time: _____	Received By: _____
Relinquished By: <u>Angel Butts</u>	Date: <u>10-15-98</u>	Time: <u>11:25</u>	Received By: <u>Diana Pina</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____

Remarks: Please hold wall samples for possible future Analysis

97052
 97053
 97054
 97055
 97056

OCT-19-1998 03:33



McCAMPBELL ANALYTICAL INC.

110 Second Avenue South, #07, Pacheco, CA 94553-5560
 Telephone: 925-798-1620 Fax: 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

Artesian Environmental 229 Tewksbury Avenue Point Richmond, CA 94801	Client Project ID: #378-002-01: Albany USD	Date Sampled: 10/14/98
	Client Contact: Paul Jones	Date Received: 10/15/98
	Client P.O:	Date Extracted: 10/15/98
		Date Analyzed: 10/15/98

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
 EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCL1X5030

Lab ID	Client ID	Matrix	TPH(g)*	MIBE	Benzene	Toluene	Ethylben- zene	Xylenes	% Recovery Surrogate
97055	CS-East	S	11.gj	ND	ND	ND	ND	0.057	103
97056	CS-West	S	---	---	---	---	---	---	---
Reporting Limit unless otherwise stated: ND means not detected above the reporting limit	W		50 ug/L	5.0	0.5	0.5	0.5	0.5	
	S		10 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/l

* Cluttered chromatogram sample peak overlaps with surrogate peak

* The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant, b) heavy gasoline range compounds are significant (aged gasoline?), c) lighter gasoline range compounds (the most mobile fraction) are significant, d) gasoline range compounds having broad chromatographic peaks are significant, biologically altered gasoline?, e) TPH pattern that does not appear to be derived from gasoline (?), f) one or a few isolated peaks present, g) strongly aged gasoline or diesel range compounds are significant, h) lighter than water immiscible sheen is present, i) liquid sample that contains greater than ~5 vol % sediment, j) no recognizable pattern

Edward Hamilton, Lab Director



MCCAMPBELL ANALYTICAL INC.

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Artesian Environmental 229 Tewksbury Avenue Point Richmond, CA 94801	Client Project ID: #378-002-01; Albany USD	Date Sampled: 10/14/98
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Diesel Range (C18-C23) Extractable Hydrocarbons as Diesel *

FPA methods (modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GC/FID(3550) or GC/FID(3510)

Lab ID	Client ID	Matrix	TPH(d)	% Recovery Surrogate ^f
97055	CS-East	S	1(N),h	94
97056	CS-West	S	---	---
Reporting Limit unless otherwise stated. ND means not detected above the reporting limit	W		50 ug/L	
	S		1.0 mg/kg	


* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPLI^g extracts in ug/L

^a clustered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract

^b The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant, b) diesel range compounds are significant, no recognizable pattern, c) aged diesel? is significant, d) gasoline range compounds are significant, e) medium boiling point pattern that does not match diesel (?), f) one to a few isolated peaks present; g) oil range compounds are significant, h) lighter than water immiscible sheen is present, i) liquid sample that contains greater than ~5 vol % sediment

DHS Certification No 1644

Jm Edward Hamilton, Lab Director

 McCAMPBELL ANALYTICAL INC.	110 Second Avenue South, #177, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: man@nccampbell.com
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Artesian Environmental 229 Tewksbury Avenue Point Richmond, CA 94801	Client Project ID: #378-002-01; Albany USD	Date Sampled: 10/14/98
	Client Contact: Paul Jones	Date Received: 10/15/98
	Client P.O.:	Date Extracted: 10/15/98
		Date Analyzed: 10/15/98


Petroleum Oil & Grease (with Silica Gel Clean-up) *
 EPA methods 413.1, 9070 or 9071; Standard Methods 5520 D/E&F or 503 D&E for solids and 5520 D&F or 503 A&B for liquids

Lab ID	Client ID	Matrix	Oil & Grease*
97055	CS-East	S	460
97056	CS-West	S	---
Reporting Limit unless otherwise stated, ND means not detected above the reporting limit		W	5 mg/l.
		S	50 mg/kg

* water samples are reported in mg/L, wipe samples in mg/wipe, soil and sludge samples in mg/kg, and all TCI P / STLC / SPLP extracts in mg/l
 h) lighter than water immiscible sheen is present, i) liquid sample that contains greater than 0.5 vol. % sediment.

DIIS Certification No. 1644

John Edward Hamilton, Lab Director

 McCAMPBELL ANALYTICAL INC.	110 Second Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
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Artesian Environmental 229 Tewksbury Avenue Point Richmond, CA 94801	Client Project ID: #378-002-01; Albany USD	Date Sampled: 10/14/98
	Client Contact: Paul Jones	Date Received: 10/15/98
	Client P.O:	Date Extracted: 10/16/98
		Date Analyzed: 10/19/98

Semi-Volatile Organics By GC/MS

EPA method 625 and 3510 or 8270 and 3550							
Lab ID	97055						
Client ID	CS-East						
Matrix	S						
Compound	Concentration*	Reporting Limit		Compound	Concentration*	Reporting Limit	
		W	S			W	S
Acenaphthene	ND<0.5	10	0.33	Di-n-octyl Phthalate	ND<0.5	10	0.33
Acenaphthylene	ND<0.5	10	0.33	1,2-Diphenylhydrazine	ND<0.5	10	0.33
Anthracene	ND<0.5	10	0.33	Fluoranthene	ND<0.5	10	0.33
Benzidine	ND<2.4	50	1.6	Fluorene	ND<0.5	10	0.33
Benzoic Acid	ND<2.4	50	1.6	Hexachlorobenzene	ND<0.5	10	0.33
Benzo(a)anthracene	ND<0.5	10	0.33	Hexachlorobutadiene	ND<0.5	10	0.33
Benzo(b)fluoranthene	ND<0.5	10	0.33	Hexachlorocyclopentadiene	ND<2.4	50	1.6
Benzo(k)fluoranthene	ND<0.5	10	0.33	Hexachloroethane	ND<0.5	10	0.33
Benzo(g,h,i)perylene	ND<0.5	10	0.33	Indeno(1,2,3-cd)pyrene	ND<0.5	10	0.33
Benzo(a)pyrene	ND<0.5	10	0.33	Isophorone	ND<0.5	10	0.33
Benzyl Alcohol	ND<1.0	20	0.66	2-Methylnaphthalene	ND<0.5	10	0.33
Bis(2-chloroethoxy)methane	ND<0.5	10	0.33	2-Methylphenol (o-Cresol)	ND<0.5	10	0.33
Bis(2-chloroethyl) Ether	ND<0.5	10	0.33	2-Methylphenol (p-Cresol)	ND<0.5	10	0.33
Bis(2-chloroisopropyl)Ether	ND<0.5	10	0.33	Naphthalene	ND<0.5	10	0.33
Bis(2-ethylhexyl) Phthalate	ND<0.8	10	0.33	2-Nitroaniline	ND<2.4	50	1.6
4-Hydroxyphenyl Phenyl Ether	ND<0.5	10	0.33	3-Nitroaniline	ND<2.4	50	1.6
Butybenzyl Phthalate	ND<0.5	10	0.33	4-Nitroaniline	ND<2.4	50	1.6
4-Chlorostyrene	ND<1.0	20	0.66	2-Nitrophenol	ND<2.4	50	1.6
4-Chloro-3-methylphenol	ND<0.5	10	0.33	4-Nitrophenol	ND<2.4	50	1.6
2-Chloronaphthalene	ND<0.5	10	0.33	Nitrobenzene	ND<0.5	10	0.33
2-Chlorophenol	ND<0.5	10	0.33	N-Nitrosodimethylamine	ND<0.5	10	0.33
4-Chlorophenyl Phenyl Ether	ND<0.5	10	0.33	N-Nitrosodiphenylamine	ND<0.5	10	0.33
Chrysene	ND<0.5	10	0.33	N-Nitrosodi-n-propylamine	ND<0.5	10	0.33
Dibenz(a,h)anthracene	ND<0.5	10	0.33	Pentachlorophenol	ND<0.5	10	0.33
Dibenzofuran	ND<0.5	10	0.33	Phenanthrene	ND<0.5	10	0.33
Di-n-butyl Phthalate	ND<0.5	10	0.33	Phenol	ND<0.5	10	0.33
1,2-Dichlorobenzene	ND<0.5	10	0.33	Pyrene	ND<0.5	10	0.33
1,3-Dichlorobenzene	ND<0.5	10	0.33	1,2,4-Trichlorobenzene	ND<0.5	10	0.33
1,4-Dichlorobenzene	ND<0.5	10	0.33	2,4,5-Trichlorophenol	ND<0.5	10	0.33
3,3-Dichlorobenzidine	ND<1.0	20	0.66	2,4,6-Trichlorophenol	ND<0.5	10	0.33
2,4-Dichlorophenol	ND<0.5	10	0.33	Comments: j			
Diethyl Phthalate	ND<0.5	10	0.33	Surrogate Recoveries (%)			
2,4-Dimethylphenol	ND<0.5	10	0.33	2-Fluorobiphenyl			90
Dimethyl Phthalate	ND<0.5	10	0.33	3-Fluorophenol			77
4,6-Dinitro-2-methylphenol	ND<2.4	50	1.6	Nitrobenzene-d5			79
2,4-Dimethylphenol	ND<2.4	50	1.6	Phenol-d5			78
2,4-Dinitrotoluene	ND<0.5	10	0.33	p-Terphenyl-d14			122
2,6-Dinitrotoluene	ND<0.5	10	0.33	2,4,6-Trifluorophenol			75

*water samples are reported in ug/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in ug/L
 ND means not detected above the reporting limit, N/A means analyte not applicable to this analysis.
 h) higher than water immiscible phase is present, i) liquid sample that contains greater than ~5 vol % sediment, j) sample diluted due to high organic content

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EE Edward Hamilton, Lab Director