



Shaw Environmental & Infrastructure, Inc.

4005 Port Chicago Highway
Concord, California 94520
Main(925) 288-9898
Direct(925) 288-2103
Fax: (925) 827-2029

Fax

To: Mr. Robert Weston **From:** Rob Delnagro

Fax: 510 337 9335 **Pages:**

Phone: **Date:** 12-15-03

RE: **CC:**

Urgent For Review Please Comment Please Reply Please Recycle

Mr. Weston -

Attached are the analytical results from the tank pull at the SBC facility at 2610 Norbridge in Castro Valley. The soil samples all came back ND. There were hits in the water, with MTBE at 24 ppb, TBA at 16 ppb, and benzene, toluene, and ethylbenzene <1 ppb.

Could you please review the result and let me know if it is acceptable to backfill or if you would like additional action? My number is 925 288 2103.

Thanks a lot!

Sincerely,
Shaw Environmental, Inc.

Rob Delnagro
Task Manager

*BACK FILL OKAY
SEND REPORT
ONE BORING WILL
BE REQUIRED*

Confidentially Notice

This information contained in this fax is intended for the use of the individual or entity named and may contain information that is confidential, privileged and/or otherwise exempt from disclosure under applicable law. If you are not the intended recipient, any dissemination, distribution or copying of this communication is strictly prohibited. If you received this communication in error, please notify us immediately by telephone and return the original fax to us at the address shown. Thank you!

McCampbell Analytical Inc.			110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1522 http://www.mccampbell.com E-mail: main@mccampbell.com		
Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC		Date Sampled: 12/11/03		
	Client Contact: Rob Delnagro		Date Received: 12/11/03		
	Client P.O.:		Date Extracted: 12/12/03		
			Date Analyzed: 12/12/03		

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0312230

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TPW-1	W	ND	--	0.57	0.57	ND	1.0	1	102

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	1	µg/L
	S	NA	NA	NA	NA	NA	NA	NA	1	mg/Kg


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

cluttered chromatogram; sample peak coelutes 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) heavier 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 (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible shoen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

 McC Campbell Analytical Inc.		110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mcccampbell.com E-mail: ccain@mcccampbell.com		
Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03		
	Client Contact: Rob Delnagro	Date Received: 12/11/03		
	Client P.O.:	Date Extracted: 12/11/03		
		Date Analyzed: 12/11/03		
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*				
Extraction Method: SW5030B		Analytical Method: SW8260B		
		Work Order: 0312230		
Lab ID	0312230-001B	Reporting Limit for DF=1		
Client ID	TPW-1			
Matrix	W			
DF	1			
Compound	Concentration		S	W
			ug/kg	ug/L
tert-Amyl methyl ether (TAME)	ND		NA	0.5
t-Butyl alcohol (TBA)	16		NA	5.0
1,2-Dibromoethane (EDB)	ND		NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND		NA	0.5
Diisopropyl ether (DIPE)	ND		NA	0.5
Ethyl tert-butyl ether (ETBE)	ND		NA	0.5
Methyl t-butyl ether (MTBE)	24		NA	0.5
Surrogate Recoveries (%)				
%SS:	106			
Comments				
* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L. ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis. # surrogate diluted out of range or surrogate coelutes with another peak. h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.				

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03
	Client Contact: Rob Delnagro	Date Received: 12/11/03
	Client P.O.:	Date Extracted: 12/11/03
		Date Analyzed: 12/11/03

Lead by Graphite Furnace Atomic Absorption*

Extraction method: E200.9

Analytical methods: E200.9

Work Order: 0312230

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0312230-001C	TPW-1	W	TTLIC	0.0066	1	N/A

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	TTLIC	0.005	mg/L
	S	TTLIC	NA	mg/kg


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


means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid: Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC		Date Sampled: 12/11/03
	Client Contact: Rob DeInagro		Date Received: 12/11/03
	Client P.O.:		Date Extracted: 12/11/03
			Date Analyzed: 12/12/03

Organic Lead*

Analytical methods: CA T22 CPT11 APPDX1 Work Order: 0312230

Lab ID	Client ID	Matrix	Lead	DF	% SS
0312230-001D	TPW-1	W	ND	1	N/A

Reporting Limit for DF=1, ND means not detected at or above the reporting limit	W	0.005	mg/L
	S	NA	NA


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

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110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0312230

Report to:

Rob Delnagro
 Shaw Environmental
 4005 Port Chicago Hwy
 Concord, CA 94520

TEL: 925-288-9898
 FAX: (925) 827-2029
 ProjectNo: #844915.30000000, SBC
 PO:

Bill to:

Accounts Payable
 Shaw Environmental & Infrastructure
 4005 Port Chicago Hwy
 Concord, CA 94520

Requested TAT:

1 day

Date Received: 12/11/03

Date Printed: 12/11/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0312230-001	TPW-1	Water	12/11/03 1:30:00	<input type="checkbox"/>	B	A	D	C												

Test Legend:

1	S-OXYS+PBSCV_W	2	G-MBTEX_W	3	OPB_W	4	PB_W	5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Sonia Valles

Comments: 24hr rush.

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

12/12/03 FRI 16:11 ITX/RX NO 64331 018

12/15/03 MON 07:56 FAX 19258272029 SHAW E & I

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC Client Contact: Rob Delnagro Client P.O.:	Date Sampled: 12/11/03	Date Received: 12/11/03 Date Extracted: 12/11/03 Date Analyzed: 12/12/03

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

Extraction method: SW5030B

Analytical methods: SW601B/9015Cm

Work Order: 0312227

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% BS
001A	TP-1	S	ND	---	ND	ND	ND	ND	1	101
002A	TP-2	S	ND	---	ND	ND	ND	ND	1	99.4

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


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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier 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 (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas); m) no recognizable pattern.

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03	
	Client Contact: Rob Delnagro	Date Received: 12/11/03	
	Client P.O.:	Date Extracted: 12/11/03	
		Date Analyzed: 12/11/03	

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0312227

Lab ID	0312227-001A	0312227-002A			
Client ID	TP-1	TP-2			Reporting Limit for DF = 1
Matrix	S	S			
DF	I	I			

Compound	Concentration			µg/Kg	µg/L
Diisopropyl ether (DIPB)	ND	ND		5.0	NA
tert-Amyl methyl ether (TAME)	ND	ND		5.0	NA
t-Butyl alcohol (TBA)	ND	ND		25	NA
1,2-Dibromoethane (EDB)	ND	ND		5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND		5.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND		5.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND		5.0	NA

Surrogate Recoveries (%)

%SS:	100	101			
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Comments


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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03
	Client Contact: Rob Delnagro	Date Received: 12/11/03
	Client P.O.:	Date Extracted: 12/11/03
		Date Analyzed: 12/11/03


Lead by ICP*

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0312227-001A	TP-1	S	TTLIC	12	1	116
0312227-002A	TP-2	S	TTLIC	12	1	107

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	TTLIC	NA	mg/L
	S	TTLIC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / STLIC / DISTIC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.
 # means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.
 Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: #844915.30000000; SBC	Date Sampled: 12/11/03
	Client Contact: Rob Delnagro	Date Received: 12/11/03
	Client P.O.:	Date Extracted: 12/11/03
		Date Analyzed: 12/12/03

Organic Lead*

Analytical methods: CA T22 CPT11 APPD XI

Work Order: 0312227

Lab ID	Client ID	Matrix	Lead	DF	% SS
0312227-001A	TP-1	S	ND	1	N/A
0312227-002A	TP-2	S	ND	1	N/A

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	NA	NA
	S	0.5	mg/Kg

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

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

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McC Campbell Analytical Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0312227

Report to:

Rob Delnagro
 Shaw Environmental
 4005 Port Chicago Hwy
 Concord, CA 94520

TEL: 925-288-9898
 FAX: (925) 827-2029
 ProjectNo: #844915.30000000; SBC
 PO:

Bill to:

Accounts Payable
 Shaw Environmental & Infrastructure
 4005 Port Chicago Hwy
 Concord, CA 94520

Requested TAT:

1 day

Date Received: 12/11/03

Date Printed: 12/11/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0312227-001	TP-1	Soil	12/11/03 1:50:00	<input type="checkbox"/>	A	A	A	A												
0312227-002	TP-2	Soil	12/11/03 1:55:00	<input type="checkbox"/>	A	A	A	A												

Test Legend:

1	5-OXYS+PBSCV_S	2	G-MBTEX_S	3	OPB_S	4	PB_S	5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Sonia Valles

Comments: 24hr rush

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

12/12/03 FRI 14:28 [TX/RX NO 6432] 010

12/15/03 MON 07:58 FAX 19258272029 SHAW E & I P. 9 011

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: 844915.30000000; SBC	Date Sampled: 12/11/03
		Date Received: 12/11/03
	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
	Client P.O.:	Date Analyzed: 12/12/03

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0312224

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	CS-1-4	S	ND	---	ND	ND	ND	ND	1	106

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

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

clustered chromatogram; sample peak coelutes with surrogate peak.

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		Date Received: 12/11/03
	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
	Client P.O.:	Date Analyzed: 12/11/03

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0312224

Lab ID	0312224-001A	Reporting Limit for DF = 1
Client ID	CS-1-4	
Matrix	S	
DF	1	

Compound	Concentration			µg/Kg	µg/L
Diisopropyl ether (DIPE)	ND			5.0	NA
tert-Amyl methyl ether (TAME)	ND			5.0	NA
t-Butyl alcohol (TBA)	ND			25	NA
1,2-Dibromochloroethane (EDB)	ND			5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND			5.0	NA
Ethyl tert-butyl ether (ETBE)	ND			5.0	NA
Methyl-t-butyl ether (MTBE)	ND			5.0	NA

Surrogate Recoveries (%)

%SS:	99.8		
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Comments

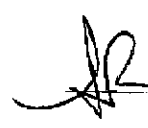
* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.


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surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than -2 vol. % sediment; j) sample diluted due to high organic content.

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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: 844915.30000000; SBC	Date Sampled: 12/11/03	
	Client Contact: Rob Delnagro	Date Received: 12/11/03	
	Client P.O.:	Date Extracted: 12/11/03	
		Date Analyzed: 12/11/03	

Lead by ICP*

Extraction method: SW3050B

Analytical methods: 6010C

Work Order: 0312224

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0312224-001A	CS-1-4	S	TTLIC	ND	1	106

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	TTLIC	NA	mg/L
	S	TTLIC	5.0	mg/Kg


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

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

 McC Campbell Analytical Inc.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mcccampbell.com E-mail: rmain@mcccampbell.com
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Shaw Environmental 4005 Port Chicago Hwy Concord, CA 94520	Client Project ID: 844915.30000000; SBC	Date Sampled: 12/11/03
		Date Received: 12/11/03
	Client Contact: Rob Delnagro	Date Extracted: 12/11/03
	Client P.O.:	Date Analyzed: 12/12/03

Organic Lead*

Analytical methods: CA T22 CPT11 APPD XI Work Order: 0312224

Lab ID	Client ID	Matrix	Lead	DF	% SS
0312224-001A	CS-1-4	S	ND	1	N/A

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	NA	NA
	S	0.5	mg/Kg

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

means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

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