To: Chris Potter, Administrative Records Coordinator, SWDIV

From: D. Tedaldi, Project Manager, Bechtel National, Inc.

Additional Information for Administrative Record Inputting:

- CTO-76
- Doc. Type = MISC
- EPA Cat. No. = 3.2
- Subject: Chain of Custody Records, MCAS El Toro, Phase II Remedial Investigation/Feasibility Study, Station Landfills
- Operable Units/Sites: OU 2B/Sites 2 and 17 and OU 2C/Sites 3 and 5

TRIANGLE LABS

CASE NARRATIVE

Analysis of Samples for the Presence of

Polychlorinated Dibenzo-*p*-Dioxins and Dibenzofurans by

High-Resolution Chromatography / High-Resolution Mass Spectrometry

Method 8290 Rev. 0 (9/94)

Date: March 26, 1996

Client ID: Bechtel

P.O. Number:

TLI Project Number: 36458A

This report should only be reproduced in full. Any reproduction of this report requires permission from Triangle Laboratories, Inc.

Rev. 11/03/95

Triangle Laboratories, Inc.
801 Capitola Drive
Durham, NC 27713-4411
919-544-5729
P.O. Box 13485
Research Triangle Park, NC 27709-3485
Fax # 919-544-5491

11

CLEAN II

CHAIN-OF-CUSTODY RECORD

12249

Site Name: MCAS - EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Berkey
Sampler's Signature(s): D. Berkey

Site Contact/Supervisor: JACQUES LORD

Analytical Laboratory Name: TRIANGLE LABORATORIES, INC.
Analytical Laboratory Address: 801 CAPITOLA DRIVE DURHAM, NC 27713
Field QC Package Number: NA
Field Logbook/Page Number: SS-76E-001/21,22, SE-76C-001/34-38
Date: 2-29-96

Pay Items/Analyses Required: 8/13/DIOXINS, 3/13/DIOXINS

QC Level: C D E

TAT (in days): 2 7 14 30

Preservation: COOL 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit) 8/13/DIOXINS	3/13/DIOXINS								Remarks (e.g., MS, MSD)
76E0021	2-29/14:50	05LYS1A/86.2-86.7	SB	NO	SST6IN	01	/								REG
76E0022	2-29/15:20	05LYS1A	BW	NO	AGIL	/	01 02								RINSEATE BLANK
76C0251	3-1/10:34	03SB3A/15.5-16'	SB	NO	SST6IN	01	/								REG
76C0252	3-1/10:39	03SB3A/20.5-21'	SB	NO	SST6IN	01	/								
76C0253	3-1/10:46	03SB3A/25.5-26'	SB	NO	SST6IN	01	/								
76C0254	3-1/10:58	03SB3A/30.5-31'	SB	NO	SST6IN	01	/								
76C0255	3-1/11:15	03SB3A/	BW	NO	AGIL	/	01 02								RINSEATE BLANK

Relinquished By	Received By	Date	Time	Reason for Transfer
PCR	FED-EX	3-5-96	15:30	SHIP TO LAB
	[illegible]	3/6/96	1930	Analysis

Comments/Instructions: QUOTE # 1200001412
* ATTN. SAMPLE CUSTODIAN
• FINAL REPORT TO BECHTEL. NAVY CLEAN II.
• INVOICE TO LOCKHEED ANALYTICAL SERVICES ATTN. MARY B. FORD CLIENT SERVICES MANAGER

Method of Shipment: FED-EX
Airbill No.: 7924105755
Total No. of Coolers Shipped: 1

f:/forms/cocrecor.dwg

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

September 1, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 53118; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on August 16, 17 and 18, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on August 16, 1995 ETR No. 53118		
76B100101	267651	Water
76B100102	267652	Water
76B100103	267653	Water
76B100104	267654	Water
76B100105	267655	Water
76B100106	267656	Water
76B100107	267657	Water
76B100108	267658	Water
76B100109	267659	Water
76B100110	267660	Water
76B100111	267661	Water
76B100111	267661D1	Water
76B100112	267662	Water
76B100113	267663	Water
76B100114	267664	Water
76B100115	267665	Water
76B100116	267666	Water
76B100117	267667	Water
76B100118	267668	Water
76B100119	267669	Water
76B100120	267670	Water
76B100121	267671	Water
76B100122	267672	Water
76B100123	267673	Water
76B100124	267674	Water
76B100125	267675	Water
76B100126	267676	Water
76B100128	267677MS	Water

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on August 16, 1995 ETR No. 53118 (continued)		
76B100129	267678MS	Water
76B100130	267679MS	Water
76B100131	267680FD	Water
76B100132	267681MD	Water
76B100133	267682MD	Water
76B100134	267683	Water
76B100136	267684	Water
76B100137	267685MS	Water
76B100138	267686MS	Water
76B100139	267687MD	Water
76B100140	267688MD	Water
76B100141	267689	Water
76B100142	267690	Water
76B100143	267691MS	Water
76B100144	267692MS	Water
76B100145	267693MD	Water
76B100150	267694MD	Water
76B100151	267695	Water
76B100152	267696	Water
76B100153	267697MS	Water
76B100154	267698MS	Water
76B100155	267699MS	Water
76B100156	267700MD	Water
76B100157	267701MD	Water
76B100158	267702MD	Water
76B100159	267703	Water
76B100160	267704	Water
76B100161	267705	Water
76B100170	267706	Filtrate
76B100171	267707MS	Filtrate
76B100172	267708DP	Filtrate
76B100173	267709	Filtrate
76B100701	267710	Water
76B100702	267711	Water
LCSW	267712	Liquid
Samples Received on August 17, 1995 ETR No. 53142		
76B100201	267813	Water
76B100202	267814	Water
76B100203	267815	Water
76B100204	267816	Water
76B100205	267817	Water
76B100206	267818	Water
76B100207	267819	Water
76B100208	267820	Water

Samples Received on August 17, 1995
ETR No. 53142 (continued)

Client Sample ID	Laboratory Lab No.	Sample Matrix
76B100209	267821	Water
76B100210	267822	Water
76B100211	267823	Water
76B100212	267824	Water
76B100213	267825	Water
76B100214	267826	Water
76B100215	267827	Water
76B100216	267828	Water
76B100217	267829	Water
76B100218	267830	Water
76B100219	267831	Water
76B100220	267832	Water
76B100221	267833	Water
76B100222	267834	Water
76B100223	267835	Water
76B100224	267836	Water
76B100225	267837	Water
76B100226	267838	Water
76B100228	267839MS	Water
76B100229	267840MS	Water
76B100230	267841MS	Water
76B100231	267842MD	Water
76B100232	267843MD	Water
76B100233	267844MD	Water
76B100234	267845	Water
76B100235	267846	Water
76B100236	267847	Water
76B100237	267848	Water
76B100238	267849	Water
76B100239	267850MD	Water
76B100240	267851MD	Water
76B100241	267852	Water
76B100242	267853	Water
76B100243	267854MS	Water
76B100244	267855MS	Water
76B100245	267856MD	Water
76B100246	267857MD	Water
76B100247	267858	Water
76B100248	267859	Water
76B100249	267860MS	Water
76B100250	267861DP	Water
76B100251	267862	Water
76B100270	267863	Filtrate
76B100271	267864	Filtrate
76B100301	267865	Water
76B100302	267866	Water
76B100303	267867	Water

Samples Received on August 17, 1995
ETR No. 53142 (continued)

Client Sample ID	Laboratory Lab No.	Sample Matrix
76B100304	267868	Water
76B100305	267869	Water
76B100306	267870	Water
76B100307	267871	Water
76B100308	267872	Water
76B100309	267873	Water
76B100310	267874	Water
76B100311	267875	Water
76B100312	267876	Water
76B100313	267877	Water
76B100314	267878	Water
76B100315	267879	Water
76B100316	267880	Water
76B100317	267881	Water
76B100318	267882	Water
76B100319	267883	Water
76B100320	267884	Water
76B100321	267885	Water
76B100322	267886	Water
76B100323	267887	Water
76B100324	267888DP	Water
76B100325	267889	Water
76B100326	267890	Water
76B100328	267891MS	Water
76B100329	267892MS	Water
76B100330	267893DP	Water
76B100331	267894DP	Water
76B100332	267895	Water
76B100333	267896	Water
76B100334	267897MS	Water
76B100335	267898DP	Water
76B100336	267899	Water
76B100337	267900	Water
76B100338	267901DP	Water
76B100339	267902	Water
76B100340	267903MS	Water
76B100341	267904DP	Water
76B100342	267905	Water
76B100370	267906	Filtrate
76B100801	267907	Water
76B100802	267908	Water

Samples Received on August 18, 1995
ETR No. 53173

Client Sample ID	Laboratory Lab No.	Sample Matrix
76E100101	268006	Water
76E100102	268007	Water
76E100103	268008	Water
76E100104	268009	Water
76E100105	268010	Water
76E100106	268011	Water
76E100108	268012	Water
76E100109	268013	Water
76E100110	268014	Water
76E100111	268015	Water
76E100112	268016	Water
76E100113	268017	Water
76E100114	268018	Water
76E100115	268019	Water
76E100116	268020	Water
76E100117	268021	Water
76E100118	268022	Water
76E100119	268023	Water
76E100120	268024	Water
76E100121	268025	Water
76E100122	268026	Water
76E100123	268027	Water
76E100124	268028	Water
76E100125	268029	Water
76E100126	268330	Water
76E100170	268031	Filtrate
76B100401	268032	Water
76B100402	268033	Water
76B100403	268034	Water
76B100404	268035	Water
76B100405	268036	Water
76B100406	268037	Water
76B100407	268038	Water
76B100408	268039	Water
76B100409	268040	Water
76B100410	268041	Water
76B100411	268042	Water
76B100411	268042R1	Water
76B100412	268043	Water
76B100413	268044	Water
76B100414	268045	Water
76B100415	268046	Water
76B100416	268047	Water
76B100417	268048	Water
76B100418	268049	Water
76B100419	268050	Water
76B100420	268051	Water
76B100421	268052	Water

Samples Received on August 18, 1995
ETR No. 53173 (continued)

Client Sample ID	Laboratory Lab No.	Sample Matrix
76B100422	268053	Water
76B100423	268054	Water
76B100424	268055	Water
76B100425	268056	Water
76B100426	268057	Water
76B100428	268058MS	Water
76B100429	268059DP	Water
76B100429	268059MD	Water
76B100430	268060	Water
76B100431	268061MS	Water
76B100432	268062DP	Water
76B100432	268062MD	Water
76B100433	268063	Water
76B100434	268064MS	Water
76B100435	268065DP	Water
76B100435	268065MD	Water
76B100436	268066	Water
76B100470	268067	Filtrate
76B100601	268068	Water
76B100602	268069	Water
76B100603	268070	Water
76B100604	268071	Water
76B100606	268072	Water
76B100607	268073	Water
76B100608	268074	Water
76B100609	268075	Water
76B100610	268076	Water
76B100611	268077	Water
76B100612	268078	Water
76B100613	268079	Water
76B100614	268080	Water
76B100615	268081	Water
76B100616	268082	Water
76B100617	268083R1	Water
76B100618	268084	Water
76B100619	268085	Water
76B100620	268086	Water
76B100621	268087	Water
76B100622	268088	Water
76B100623	268089	Water
76B100624	268090	Water
76B100625	268091	Water
76B100626	268092	Water
76B100670	268093	Filtrate
76B100901	268094	Water
76B100902	268095	Water

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of the CLP metals analysis which is reported by contract to the Instrument Detection Limit (IDL). The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Sample labeled 76B100325 was inadvertently assigned TKN, COD and nitrate analyses rather than alkalinity, nitrite and anions as requested on the chain-of-custody. This anomaly was discovered after holding times had expired, therefore no further action was taken. As a result, sample 76B100324 is identified as a replicate analysis, however it is the only analysis for TKN, COD and nitrate on sample 76B100324.

The metals matrix spike recovery was outside established control limits for water sample 76B100249 for the iron analysis. Replicate analyses on sample 76B100250 were also outside control limits for iron and manganese. Matrix spike recovery for filtrate sample 076B100171 was outside control criteria for the mercury analysis. All data have been flagged appropriately.

Please note that the identification of samples 76B100101, 76B100128MS and 76B100131MSD were truncated during volatile organic analyses to 1001, 1001MS and 1001MSD respectively, to allow for data processing by a commercial software system.

The original 8010/8020 volatile organic analysis of sample labeled 76B100411 exhibited surrogate recoveries below quality control criteria. This sample was reanalyzed within the prescribed holding time yielding similar results. Both sets of data have been presented in this case submittal.

The original 8010/8020 volatile organic analysis of sample labeled 76B100111 exhibited trichloroethene concentration above calibration range. This sample was reanalyzed at an appropriate dilution yielding acceptable results. Both sets of data have been presented in this case submittal.

Please note the use of the following qualifier when reporting 8010/8020 volatile organic results:

P = Greater than 25 percent difference was observed in analyte concentration between two analytical columns.

The original semivolatile organic analysis of sample labeled 76B100604 exhibited surrogate recoveries outside quality control criteria. This sample was re-extracted beyond the prescribed holding time (using container 76B100617) and was reanalyzed yielding acceptable results. Both sets of data have been presented in this case submittal.

The semivolatile organic analysis of samples labeled 76B100137MS and LCS exhibited matrix spike recoveries of pentachlorophenol above quality control criteria. The LCS also showed 4-nitrophenol recovery above control limits.

Please note that the identification of samples 76B100104, 76B100137MS and 76B100139MSD were truncated during semivolatile organic analysis to 1001, 1001MS and 1001MSD respectively, to allow for data processing by a commercial software system.

Please note the use of the following qualifier when reporting TPH-diesel results:

Z = Unknown single peaks or chromatographic patterns are detected but do not resemble a typical fuel pattern.

The herbicide calibration check standards exhibited an increased response for dalapon on both analytical columns resulting in percent differences above quality control limits. Dalapon was not detected or reported in any samples in this delivery group.

The identification of samples labeled 76B100216, 76B100243MS and 76B100245MSD were truncated to 1002, 1002MS and 1002MSD respectively, to allow for data processing by a commercial software system.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Joseph J. Arsin for

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

CLEAN II

CHAIN-OF-CUSTODY RECORD

7662

000003

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): TOM JUDY, WILL McCONIHE, S. SODERBERG
Sampler's Signature(s): [signature] [signature] S. Soderberg

Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76-EX / PGS 01-02
Date: 08/15/95

Pay Items/Analyses Required

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (1.1)	SVOCs (2.1)	TPHd (5.57)	TPHg (5.55)	BTEX (1.18)	PESTICIDES/PCB (3.1)	HERBICIDES (3.7)	TAL METALS (4.1)	TOC (5.46)	TSS (5.94)	Remarks (e.g., MS, MSD)
						Preservation										
						HCL	CHILL 4°C	CHILL 4°C	HCL	HCL	CHILL 4°C	CHILL 4°C	CHILL 4°C	H_2SO_4	CHILL 4°C	
						Container Nos. (2 digit)										
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	01 02 03			08 09 10	11 12 13				19 20		
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17				
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY								18		21	

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FEDEX	8-15-95	17:00	SHIP TO LAB
	[signature]	8/16/95	0930	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5762295323

Total No. of Coolers Shipped: 2

I:\forms\coctscur.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7667

000004

Site Name: MCAS ELTORO	Sampler's Name(s): T. JUDY, W. McCONHIE, S. SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: 0076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR, COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76-EX / PAGES 01-02
Date: 08/15/95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	BOD (5.13)	AMMONIA (5.9)	ANIONS, ALK (5.14)	NITRITE 5.1	TKN, COD (5.13, 5.20)	NITRATE 5.16	TDS (5.67)	TURBIDITY (5.93)	VOCs (1.1)	SVOCs (2.1)	TPHd (5.57)	Remarks (e.g., MS, MSD)
						Preservation											
						CHILL 4°C	H_2SO_4	CHILL 4°C	H_2SO_4	CHILL 4°C		HCL		CHILL 4°C	CHILL 4°C		
						Container Nos. (2 digit)											
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		40ML VOA							28, 29, 30					MS
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER AMBER									39, 40			MSD
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER POLY	22	23	24	25	26							
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		40ML VOA							31, 32, 33					MSD
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		40 ML VOA							34, 35, 36					
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER AMBER									37, 38			MS
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER AMBER									41, 42			
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER AMBER										43, 44		MS
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER AMBER										45, 50		MSD
76B1001	08/15/95 13:00	02 DGMW 60	GW WATER		LITER AMBER										51, 52		

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FEDEX	8-15-95	17:00	SHIP TO LAB
	[signature]	8-16-95	0930	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5962283323

Total No. of Coolers Shipped: 2

CLEAN II

7666

CHAIN-OF-CUSTODY RECORD

000005

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): T Judy, W McCollhe, S. Soderberg
Sampler's Signature(s): [signature] S. Soderberg

Site Contact/Supervisor: KATRINA LYON

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76-EX / PGS 01-02
Date: 08/15/95

Pay Items/Analyses Required: TPHg (5.55), DISSOLVED METALS (4.1), VOCs (1.1)

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: HCl	Preservation: CHILL 4°C	Preservation: HCL	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA				53, 54, 55	MS
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA				56, 57, 58	MSD
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA				59, 60, 61	
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY				70, 73	FIELD FILTERED; LAB MUST ADD HNO3.
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY				71	MS; FIELD FILTERED. LAB MUST ADD HNO3.
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY				72	MSD; FIELD FILTERED LAB MUST ADD HNO3
76B1007	08/15/95 13:00	TRAVEL BLANK	WATER		40ML VOA			01, 02		TRAVEL BLANK

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FEDEX	8-15-95	17:00	SHIPPED LAB
	M. [signature]	8/16/95	0930	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5962225323

Total No. of Coolers Shipped: 2

1 forms corrector doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7671

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: KATRINA LYON
CTO Number: 076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

Pay Items/Analyses Required

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: DISSOLVED METALS (4.1)	Preservation: CHILL 4°C	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)		
76B1003	08/16/95 10:40	02DGMW59	GW Water		LITER POLY	70		FIELD FILTERED, LAB MUST ADD HNO_3
76B1002	08/16/95 14:20	02DGMW61	GW Water		LITER POLY	70 71		FIELD FILTERED LAB MUST ADD HNO_3

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	08/16/95	17:15	SHIP TO LAB
	Maureen	8/17/95	1000	

Comments/Instructions:

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512370

Total No. of Coolers Shipped: 4

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

7669

000007

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): SHEILA SODERBERG
Sampler's Signature(s): Sheila Soderberg

Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR., COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required: BOD (5.13); AMMONIA (5.9); ANIONS ALL (5.14); NITRITE (5.5); TKN; COD (5.16); NITRATE (5.16); TDS (5.16); TURBIDITY (5.93); TSS (5.94); HERBICIDES (3.7); PESTICIDES/PCB (3.1)

Preservation: CHILL 4°C; H_2SO_4; CHILL 4°C; H_2SO_4; CHILL 4°C; CHILL 4°C; CHILL 4°C; CHILL 4°C

Container Nos. (2 digit)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	BOD (5.13)	AMMONIA (5.9)	ANIONS ALL (5.14)	NITRITE (5.5)	TKN; COD (5.16)	NITRATE (5.16)	TDS (5.16)	TURBIDITY (5.93)	TSS (5.94)	HERBICIDES (3.7)	PESTICIDES/PCB (3.1)	Remarks (e.g., MS, MSD)
76B1003	08/16/95 10:40	02D6MW59	GW water		LITER POLY	22	55 ~~42~~ 8/16/95		55 ~~39~~ 8/16/95								
	08/16/95 11:30				LITER POLY		23										
	08/16/95 11:30				LITER POLY		42										
	08/16/95 11:30				LITER POLY		41										MSD
	08/16/95 11:30				LITER POLY		40										MS
	08/16/95 11:30				LITER POLY	37											MS
	08/16/95 11:30				LITER POLY	39											
	08/16/95 11:30				LITER POLY	38		24									MSD
	08/16/95 11:30				LITER POLY			25									
	08/16/95 11:30				LITER POLY					26	36						
76B1003	08/16/95 11:30	02D6MW59	GW water		LITER POLY								17	14			

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FEDEX	08-16-95	17:15	SHIP TO LAB
	[signature]	8/17/95	1000	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512370

Total No. of Coolers Shipped: 4

CLEAN II

7668

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): TOM JUDY
Sampler's Signature(s):

Site Contact/Supervisor: KATRINA LYON

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (1.1) HCL	SVOCs (2.1) CHILL 4°C	THd (5.57) CHILL 4°C	TPHg (5.55) HCL	BTEX (1.18) HCL 4°C	PEST./PCB (3.1) CHILL	HERBICIDES (3.1) CHILL 4°C	TAL METALS (4.1) CHILL 4°C	TOC (5.46) H_2SO_4	TSS (5.94) CHILL 4°C	Remarks (e.g., MS, MSD)
						Preservation										
						Container Nos. (2 digit)										
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA	01 02 03	X	05 06	08 09 10	11 12 13				19 20		
76B1003	08/16/95 10:00	02DGMW59	GW		LITER AMBER			06								
76B1003	08/16/95 10:40	02DGMW59	GW		LITER POLY								18			
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA									29 28		MS
76B1003	08/16/95 10:40	02DGMW59	GW		LITER AMBER	X	04 05	07								
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA									30 31		MSD
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA									32 33		
76B1003	08/16/95 11:30	02DGMW59	GW		LITER AMBER						15	16				
76B1003	08/16/95 11:30	02DGMW59	GW		LITER POLY										21	
76B1003	08/16/95 11:30	02DGMW59	GW		LITER POLY										34	MS
76B1003	08/16/95 11:30	02DGMW59	GW		LITER POLY										35	MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	08/16/95	17:15	SHIP TO LAB
	Maureen [illegible]	8/17/95	1880	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512370

Total No. of Coolers Shipped: 4

1 forms/coc/coc.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7673

000009

Site Name: NLAS EL TORO	Sampler's Name(s): SHELLA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s): Shella Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

Parameters/Analyses Required: BOD (5.13), AMMONIA (5.9), AMMONS, ALK (5.4), NITRITE (5.7), TKN, COD (31.3), NITRATE 5.16, 5.4, TDS, DIALKALINITY (5.4, 5.9), TSS (5.94), HERBICIDE (3.7), PESTICIDES, PCB (3.1), BTEX (1.8), CHILL METALS (4.1)

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: CHILL 48	H_2SO_4	CHILL 48	H_2SO_4	CHILL	HCL	CHILL	CHILL 48	HCL	CHILL	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B1002	08/16/95 14:20	D2DGMW61	GW water		40ML VOA									28 29 30		MS
			GW water		LITER AMBER								38 37			
					LITER POLY	22	23	24	25	26						
					40ML VOA									31 33 32		MSD
					40ML VOA									34 35 36		
					LITER AMBER								39 40			MSD
					LITER AMBER								41 42			
					LITER AMBER							43 44				MS
					LITER AMBER							45 46				MSD
					LITER AMBER							47 48				
76B1002	08/16/95 14:20	D2DGMW61	GW WATER		LITER POLY										49	MS

Relinquished By	Received By	Date	Time	Reason for Transfer
		08-16-95		
	[signature]	8/17/95	1080	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.:

Total No. of Coolers Shipped: 4

forms/cocrecor.doc

CLEAN II

7674

CHAIN-OF-CUSTODY RECORD

000010

Site Name: MCAS EL TORO	Sampler's Name(s): TOM JUDY	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s):	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 SO. PARK DR. COLCHESTER, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-001
Date: 8/16/95

Pay Items/Analyses Required: METALS (4.1)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: CHILL 4°C	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1002	8-16-95 14:20	Q2OGMW61	GW		LITER POLY		50	MSD
76B1002	8-16-95 14:20	Q2OGMW61	GW		LITER POLY		51	

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	8-16-95	17:15	SHIP TO LAB
	Maureen	8/17/95	1000	

Comments/Instructions:

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512370

Total No. of Coolers Shipped: 4

1 forms.cocreor.doc

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

7670

000011

Site Name: MCAS EL TORO	Sampler's Name(s): TOM JUDY	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s):	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 SQ. PARK DR., COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 8/16/95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC (1.1)	SVOC (3.1)	TPHd (5.5)	TPHg (5.5)	BTEX (1.18)	PCB/PCB (3.1)	HERB (3.7)	METALS (4.1)	TOC (5.46)	TSS (5.94)	Remarks (e.g., MS, MSD)
					Preservation	HCL	4°	4°	HCL	HCL	4°	4°	4°	H_2SO_4	4°	
					Container Nos. (2 digit)											
76B1002	8/16/95 14:20	02DGMW61	GW		40 ML VOA	01 02 03			08 09 10	11 12 13				19 20		
	8/16/95 14:20				LITER AMBER		04 05	06 07			14 15	16 17	18			
	8/16/95 14:20				LITER POLY										21	
	8/16/95 14:20															
	8/16/95 14:20															
	8/16/95 14:20															
	8/16/95 14:20															
	8/16/95 14:20															
	8/16/95 14:20															
	8/16/95 14:20															
76B1002	8/16/95 14:20	02DGMW61	GW													

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
	FEDX	8/16/95	17:15	SHIP TO LAB	FOR VOCS FAX ARGLIM RESULTS WITHIN 2 DAYS
	Maureen	8/17/95	1000		

Method of Shipment: FED X OVERNIGHT

Airbill No.: 5511512370 Total No. of Coolers Shipped: 4

1 forms/coc/rcr.doc

CLEAN II

7687

CHAIN-OF-CUSTODY RECORD

000012

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES

Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05448

Field QC Package Number: N/A

Field Logbook/Page Number: WS-76B-001

Date: 08/17/25

QC Level: C (D) E

TAT (in days): 2 7 (14) 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	BOD (5.13)	AMONIA (5.9)	ANIONS, ALK (5.9)	NITRITE 5.1	TKN, COD 5.4	NITRATE 5.1	TDS 5.4	TURBIDITY 5.9	TSS	HERBICIDE	PESTICIDES	PCB	BTEX	METALS	Remarks (e.g., MS, MSD)
						Preservation														
						CHILL	H_2SO_4	CHILL 4°	H_2SO_4	CHILL	HCL	CHILL 4°	CHILL 4°				HCL	CHILL		
						Container Nos. (2 digit)														
76E1001	08/17/95 15:15	05UGMW27	GW water		LITER POLY	22	23	24	25	26										

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
Sheila Soderberg	FEDEX	08/17/95	15:45	SHIP TO LAB	
	Maureen [illegible]	8/18/95	1000		
					Method of Shipment: FEDEX OVERNIGHT
					Airbill No.: 5511512602 Total No. of Coolers Shipped: 4

t:\ums\corecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7689

000013

Site Name: MCAS EL TORO
CTO Number: CTO-076

Sampler's Name(s): SHEILA SODERBERG
Sampler's Signature(s): Sheila Soderberg

Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05448
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-~~Ex~~ SS 001
Date: 08/17/95

All Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	BOD (5.13)	AMONIA (5.9)	ANIONS, ALK (5.9)	NITRATE (5.9)	TKN COD (34)	TPS (5.93 5.97)	TURBIDITY	TSS (5.44)	HERBICIDES (62)	PESTICIDES (62)	PCB (3.3)	BTEX (62)	METALS (8/17/95)	Remarks (e.g., MS, MSD)
						CHILL	H_2SO_4	CHILL 4°C	H_2SO_4	CHILL	HCL	CHILL 4°C	CHILL 4°C	CHILL 4°C	HCL	HCL	CHILL 4°C		
						Container Nos. (2 digit)													
76B1006	08/17/95 9:00	FIELD BLANK	GW WATER		LITER POLY	22	23	24	25	26									
76B1004	08/17/95 10:45	02DGMW25	GW WATER		LITER POLY	22	23	24	25	26									
76B1004	08/17/95 10:45	02DGMW25	GW WATER					28											MS
								29											MSD
								30											
									31										MS
									32										MSD
									33										
										34									MS
										35									MSD
76B1004	08/17/95 10:45	02DGMW25	GW WATER		LITER POLY					36									

Relinquished By	Received By	Date	Time	Reason for Transfer
Sheila Soderberg	FEDEX	08/17/95	15:45	SHIP TO LAB
	Maureen [illegible]	8/18/95	1000	

Comments/Instructions:

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512607

Total No. of Coolers Shipped: 4

forms/cocrecor.doc

7685

000014

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): TOM, Judy
Sampler's Signature(s):

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 So. Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76R-001
Date: 8-17-95

Pay Items/Analyses Required: DISSOLVED METALS (4.1)

QC Level: C ~~X~~ E

TAT (in days): 2 7 ~~X~~ 30

Preservation: CHILL 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1006	08/17/95 9:00	FIELD BLANK	GW WATER		LITER POLY	70	
76B1004	08/17/95 10:45	D2DGMW25	GW WATER		LITER POLY	70	
76E1001	08/17/95 15:15	D5UGMW27	GW WATER		LITER POLY	70	

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	08/17/95	15:45	SHIP TO LAB
	Maureen	8/18/95	1000	

Comments/Instructions:

Method of Shipment: FED EX OVERNIGHT

Airbill No.: 5511512602

Total No. of Coolers Shipped: 4

t:\forms\coriecor.doc

CLEAN II

7684

000015

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: CTO 76

Sampler's Name(s): Tom Judy
Sampler's Signature(s):

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 So. Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B ~~EX~~ 8/17/95 001
Date: 8-17-95

QC Level: C | ~~B~~ | E

TAT (in days): 2 | 7 | ~~14~~ | 30

Pay Items/Analyses Required: VOC (1.1), SVOC (2.1), TPHd (5.57), TPHg (5.55), 8010/8020 (5.125), Pest/PCB (3.1), HGRB (3.7), MG TALS (4.1), TOC (5.46), TSS (5.94)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC (1.1)	SVOC (2.1)	TPHd (5.57)	TPHg (5.55)	8010/8020 (5.125)	Pest/PCB (3.1)	HGRB (3.7)	MG TALS (4.1)	TOC (5.46)	TSS (5.94)	Remarks (e.g., MS, MSD)
						Preservation										
						HCL	4°	4°	HCL	HCL	4°	4°	4°	H_2SO_4	4°	
						Container Nos. (2 digit)										
76B1006	08/17/95 9:00	MCAS EL TORO (FIELD BLANK)	GW WATER		40 ML VOA	01 02 03			08 09 10	11 12 13				19 20		FIELD BLANK
76B1006	08/17/95 9:00	MCAS EL TORO (FIELD BLANK)	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17				FIELD BLANK
76B1006	08/17/95 9:00	(MCAS EL TORO) FIELD BLANK	GW WATER		LITER POLY								18		21	FIELD BLANK
76B1004	08/17/95 10:45	02DGMW 25	GW WATER		40 ML VOA	01 02 03			08 09 10	11 12 13						
76B1004	08/17/95 10:45	02DGMW 25	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17		19 20		
76B1004	08/17/95 10:45	02DGMW 25	GW WATER		LITER POLY								18		21	
76B1009	08/17/95 10:45	TRIP BLANK	GW WATER		40 ML VOA	01 02										TRIP BLANK
76E1001	08/17/95 15:15	05UGMW27	GW WATER		40 ML VOA	01 02 03			08 09 10	11 12 13				19 20		
76E1001	08/17/95 15:15	05UGMW27	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17				
76E1001	08/17/95 15:15	05UGMW27	GW WATER		LITER POLY								18		21	

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	8/17/95	15:45	SHIP TO LAB
	Maureen	8-18-95	1000	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS.

Method of Shipment: FED EX OVERNIGHT

Airbill No.: 5511512602

Total No. of Coolers Shipped: 4

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

September 1, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 53118; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on August 16, 17 and 18, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on August 16, 1995 ETR No. 53118		
76B100101	267651	Water
76B100102	267652	Water
76B100103	267653	Water
76B100104	267654	Water
76B100105	267655	Water
76B100106	267656	Water
76B100107	267657	Water
76B100108	267658	Water
76B100109	267659	Water
76B100110	267660	Water
76B100111	267661	Water
76B100111	267661D1	Water
76B100112	267662	Water
76B100113	267663	Water
76B100114	267664	Water
76B100115	267665	Water
76B100116	267666	Water
76B100117	267667	Water
76B100118	267668	Water
76B100119	267669	Water
76B100120	267670	Water
76B100121	267671	Water
76B100122	267672	Water
76B100123	267673	Water
76B100124	267674	Water
76B100125	267675	Water
76B100126	267676	Water
76B100128	267677MS	Water

CLEAN II

CHAIN-OF-CUSTODY RECORD

7662

Site Name: MCAS EL TORO CTO Number: 076	Sampler's Name(s): TOM JUDY, WILL McCONIHE, S. SODERBERG Sampler's Signature(s):	Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76-EX / PGS 01-02
Date: 08/15/95

QC Level: C (D) E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (1.1)	SVOCs (2.1)	TPHd (5.57)	TPHg (5.55)	BTEX (1.18)	PCB/PEST (3.1)	HERBICIDES (3.1)	TAL METALS (4.1)	TOC (5.46)	TSS (5.94)	Remarks (e.g., MS, MSD)
						Preservation										
						HCL	CHILL 4°C	CHILL 4°C	HCL	HCL	CHILL 4°C	CHILL 4°C	CHILL 4°C	H_2SO_4	CHILL 4°C	
						Container Nos. (2 digit)										
X 76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	01 02 03			08 09 10	11 12 13				19 20		
X 76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17				
✓ 76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY								18		21	

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	8-15-95	17:00	SHIP TO LAB
		8/16/95	0930	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5762295323 Total No. of Coolers Shipped: 2

t:/forms/cocrecor.doc

000003

CLEAN II

CHAIN-OF-CUSTODY RECORD

7667

000004

Site Name: MCAS ELTORO
CTO Number: 0076

Sampler's Name(s): T. JUDY, W. McCONHIE, S. SODERBERG
Sampler's Signature(s): [signature]

Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR, COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76-EX / PAGES 01-02
Date: 08/15/95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Pay Items/Analyses Required: BOD (5.13); AMONIA (5.9); ANIONS, ALK (5.14); NITRITE 5.7, 5.76; TKN, COD (5.3, 5.16); NITRATE 5.67; TDS (5.93); TURBIDITY 5.98; VOCs (1.1); SVOCs (2.1); TPHd (5.57)

Preservation: CHILL 4°C; H_2SO_4; CHILL 4°C; H_2SO_4; CHILL 4°C; HCL; CHILL 4°C; CHILL 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	28, 29, 30	MS
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER	39, 40	MSD
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY	22, 23, 24, 25, 26	
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	31, 32, 33	MSD
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	34, 35, 36	
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER	37, 38	MS
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER	41, 42	
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER	43, 44	MS
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER	45, 50	MSD
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER AMBER	51, 52	

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FEDEX	8-15-95	17:00	SHIP TO LAB
	[signature]	8/16/95	0930	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5962285323

Total No. of Coolers Shipped: 2

Transcoc.doc

CLEAN II

7666

CHAIN-OF-CUSTODY RECORD

000005

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): T JUDY, W McCONIHE, S. SODERBERG
Sampler's Signature(s): [signature] [signature] S. Soderberg

Site Contact/Supervisor: KATRINA LYON

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76-EX / PGS 01-02
Date: 08/15/95

Pay Items/Analyses Required: TPHg (5.55), DISSOLVED METALS (4.1), VOCs (1.1)

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: HCl	Preservation: CHILL 4°C	Preservation: HCL	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	53 54 55				MS
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	56 57 58				MSD
76B1001	08/15/95 13:00	02DGMW60	GW WATER		40ML VOA	59 60 61				
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY		70 73			FIELD FILTERED; LAB MUST ADD HNO3.
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY		71			MS; FIELD FILTERED. LAB MUST ADD HNO3.
76B1001	08/15/95 13:00	02DGMW60	GW WATER		LITER POLY		72			MSD; FIELD FILTERED LAB MUST ADD HNO3
76B1007	08/15/95 13:00	TRAVEL BLANK	WATER		40ML VOA			01 02		TRAVEL BLANK

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FEDEX	8-15-95	17:00	SHIPPED LAB
	M. [signature]	8/16/95	0950	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5962225323

Total No. of Coolers Shipped: 2

t:\forms\cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7671

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: 076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

Pay Items/Analyses Required: DISSOLVED METALS (4.1)

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: CHILL 4°C	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1003	08/16/95 10:40	02DGMW59	GW Water		LITER POLY		70	FIELD FILTERED, LAB MUST ADD HNO_3
76B1002	08/16/95 14:20	02DGMW61	GW Water		LITER POLY		70 71	~~FIELD FILTERED LAB MUST ADD HNO_3~~

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
[signature]	FEDEX	08/16/95	17:15	SHIP TO LAB	
	Maureen [signature]	8/17/95	1000		

Method of Shipment: FEDEX OVERNIGHT
Airbill No.: 5511512370
Total No. of Coolers Shipped: 4

forms\cocrecor.doc

CLEAN II

7669

CHAIN-OF-CUSTODY RECORD

000007

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: 076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So PARK DR., COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	BOD (5.13) CHILL 4°C	AMMONIA (5.9) H_2SO_4	ANIONS AUX (5.14) NITRITE (5.3) CHILL 4°C	TKN, COD (351.3, 5.16, 5.10) H_2SO_4	NITRATE TDS TURBIDITY (5.93, 5.13) CHILL 4°C	TSS (5.94) CHILL 4°C	HERBICIDES (3.1) CHILL 4°C	PESTICIDES/PCB (3.1) CHILL 4°C			Remarks (e.g., MS, MSD)
						Preservation										
						Container Nos. (2 digit)										
76B1003	08/16/95 10:40	02D6MW59	GW water		LITER POLY	22	~~42~~ 55 8/16/95		~~55~~ 8/16/95							
	08/16/95 11:30				LITER POLY		23									
	08/16/95 11:30				LITER POLY		42									
	08/16/95 11:30				LITER POLY		41									MSD
	08/16/95 11:30				LITER POLY		40									MS
	08/16/95 11:30				LITER POLY	37										MS
	08/16/95 11:30				LITER POLY	39										
	08/16/95 11:30				LITER POLY	38		24								MSD
	08/16/95 11:30				LITER POLY			25								
	08/16/95 11:30				LITER POLY					26	36					
76B1003	08/16/95 11:30	02D6MW59	GW water		LITER POLY							17	14			

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
[signature]	FEDEX	08-16-95	17:15	SHIP TO LAB	FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS
	[signature]	8/17/95	1000		
					Method of Shipment: FEDEX OVERNIGHT
					Airbill No.: 5511512370 — Total No. of Coolers Shipped: 4

forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7668

000008

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): TOM JUDY
Sampler's Signature(s):

Site Contact/Supervisor: KATRINA LYON

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 SO. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Pay Items/Analyses Required: VOCs (1.1), SVOCs (2.1), THd (5.57), TPHg (5.55), BTEX (1.18), PEST./PCB (3.1), HERBICIDES (3.1), TAL METALS (4.1), TOC (5.46), TSS (5.94)

Preservation: HCL 4°C; CHILL 4°C; CHILL 4°C; HCL; HCL 4°C; CHILL; CHILL 4°C; CHILL 4°C; H_2SO_4; CHILL 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	HCL 4°C	CHILL 4°C	CHILL 4°C	HCL	HCL 4°C	CHILL	CHILL 4°C	CHILL 4°C	H_2SO_4	CHILL 4°C	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA	01 02 03	X	04 05 06	08 09 10	11 12 13				19 20		
76B1003	08/16/95 10:00	02DGMW59	GW		LITER AMBER			06								
76B1003	08/16/95 10:40	02DGMW59	GW		LITER POLY								18			
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA									29 28		MS
76B1003	08/16/95 10:40	02DGMW59	GW		LITER AMBER	X	04 05	07								
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA									30 31		MSD
76B1003	08/16/95 10:00	02DGMW59	GW		40ML VOA									32 33		
76B1003	08/16/95 11:30	02DGMW59	GW		LITER AMBER						15	16				
76B1003	08/16/95 11:30	02DGMW59	GW		LITER POLY										21	
76B1003	08/16/95 11:30	02DGMW59	GW		LITER POLY										34	MS
76B1003	08/16/95 11:30	02DGMW59	GW		LITER POLY										35	MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	08/16/95	17:15	SHIP TO LAB
		8/17/95	1880	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512370

Total No. of Coolers Shipped: 4

1 forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7673

000009

Site Name: NLAS EL TORO	Sampler's Name(s): SHELLA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s): Shella Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/16/95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Analyses Required: BOD (5.13); AMMONIA (5.9); ANIONS, ALL (5.9); NITRITE (5.7, 5.13); TKN, COD (31.3); NITRATE 5.16, 5.46; TDS; DIBROMOM (5.94, 5.98); TSS (5.94); HERBICIDES (3.7); PESTICIDES; PCB (3.1); BTEX (1.18); METALS (4.1)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	BOD (CHILL 4°)	AMMONIA (H2SO4)	ANIONS (CHILL 4°)	NITRITE (H2SO4)	TKN (CHILL)	NITRATE (HCL)	TDS (CHILL 4°)	DIBROMOM (CHILL 4°)	TSS (CHILL 4°)	HERBICIDES (CHILL 4°)	PESTICIDES (HCL)	PCB (CHILL)	BTEX (CHILL)	METALS	Remarks (e.g., MS, MSD)
76B1002	08/16/95 14:20	D2DGMW61	GW water		40ML VOA											28 29 30				MS
			GW water		LITER AMBER										38 37					
					LITER POLY	22	23	24	25	26										
					40ML VOA											31 33 32				MSD
					40ML VOA											34 35 36				
					LITER AMBER										39 40					MSD
					LITER AMBER										41 42					
					LITER AMBER									43 44						MS
					LITER AMBER									45 46						MSD
					LITER AMBER									47 48						
76B1002	08/16/95 14:20	D2DGMW61	GW WATER		LITER POLY														49	MS

Relinquished By	Received By	Date	Time	Reason for Transfer
		08-16-95		
	Maureen [illegible]	8/17/95	1000	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS

Method of Shipment: FEDEX OVERNIGHT

Airbill No.:

Total No. of Coolers Shipped: 4

1 forms/cocrecor.doc

CLEAN II

7674

CHAIN-OF-CUSTODY RECORD

000010

Site Name: MCAS EL TORO	Sampler's Name(s): TOM JUDY	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s):	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 SO. PARK DR. COLCHESTER, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-001
Date: 8/16/95

Pay Items/Analyses Required: METALS (4.1)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: CHILL 4°C	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1002	8-16-95 14:20	Q20GMW61	GW		LITER POLY		50	MSD
76B1002	8-16-95 14:20	Q20GMW61	GW		LITER POLY		51	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
	FEDEX	8-16-95	17:15	SHIP TO LAB	
	Maureen	8/17/95	1000		

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512370 Total No. of Coolers Shipped: 4

t:\forms\coctecd.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7670

000011

Site Name: MCAS EL TORO
CTO Number: CTO-076

Sampler's Name(s): TOM JUDY
Sampler's Signature(s):

Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 SO. PARK DR., COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 8/16/95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required: VOC (1.1), SVOC (2.1), TPHd (5.5), TPHg (5.5), BTEX (1.8), PESTICIDES (3.1), HERB. (3.7), METALS (4.1), TOC (5.46), TSS (5.94)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC (1.1) HCL	SVOC (2.1) 4°	TPHd (5.5) 4°	TPHg (5.5) HCL	BTEX (1.8) HCL	PESTICIDES (3.1) 4°	HERB. (3.7) 4°	METALS (4.1) 4°	TOC (5.46) H_2SO_4	TSS (5.94) 4°	Remarks (e.g., MS, MSD)
76B1002	8/16/95 14:20	O2DGMW61	GW		40 ML VOA	01 02 03			08 09 10	11 12 13				19 20		
	8/16/95 14:20				LITER AMBER		04 05	06 07			14 15	16 17	18			
	8/16/95 14:20				LITER POLY										21	
	~~8/16/95 14:20~~															
	~~8/16/95 14:20~~															
	~~8/16/95 14:20~~															
	~~8/16/95 14:20~~															
	~~8/16/95 14:20~~															
	~~8/16/95 14:20~~															
	~~8/16/95 14:20~~															
76B1002	~~8/16/95 14:20~~	O2DGMW61	GW													

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDX	8/16/95	17:15	SHIP TO LAB
		8/17/95	1000	

Comments/Instructions: FOR VOCS FAX PRELIM RESULTS WITHIN 2 DAYS

Method of Shipment: FED X OVERNIGHT

Airbill No.: 5511512370

Total No. of Coolers Shipped: 4

forms:coc recor.doc

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

7687

000012

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05448
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 08/17/25

Analyses Required: BOD (5.13), AMMONIA (5.9), ANIONS, ALK (5.9), NITRATE 5.9, TKN, COD 3.5, NITRATE 5.9, TOC 5.4, TURBIDITY 5.9, TSS, HERBICIDE, PESTICIDES, PCB, BTEX, METALS

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: CHILL	H_2SO_4	CHILL 4°C	H_2SO_4	CHILL	HCL	CHILL 4°C	CHILL 4°C	HCL	CHILL	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76E1001	08/17/95 15:15	05UGMW27	GW water		LITER POLY	22	23	24	25	26						

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
Sheila Soderberg	FEDEX	08/17/95	15:45	SHIP TO LAB	
	Maureen [illegible]	8/18/95	1000		

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 5511512602

Total No. of Coolers Shipped: 4

forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7689

000013

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: KATRINA LYONS
CTO Number: CTO-076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES

Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05448

Field QC Package Number: N/A

Field Logbook/Page Number: WS-76B-~~EX~~ SS 001

Date: 08/17/95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: BOD (5.13) AMONIA (5.9) ANIONS, ALK (5.4) NITRATE (5.5) TKN COD (351.2) NITRATE 5.10 TDS (5.03 5.93) TURBIDITY TSS (5.4) HERBICIDES PESTICIDES PCB BTEX METALS 8/17/95

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	CHILL	H_2SO_4	CHILL 4°C	H_2SO_4	CHILL	HCL	CHILL	CHILL	CHILL	HCL	CHILL	Remarks (e.g., MS, MSD)
						Preservation / Container Nos. (2 digit)											
76B1006	08/17/95 9:00	FIELD BLANK	GW WATER		LITER POLY	22	23	24	25	26							
76B1004	08/17/95 10:45	02DGMW25	GW WATER		LITER POLY	22	23	24	25	26							
76B1004	08/17/95 10:45	02DGMW25	GW WATER					28									MS
								29									MSD
								30									
									31								MS
									32								MSD
									33								
										34							MS
										35							MSD
76B1004	08/17/95 10:45	02DGMW25	GW WATER		LITER POLY					36							

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
Sheila Soderberg	FEDEX	08/17/95	15:45	SHIP TO LAB	
	[illegible]	8/18/95	1000		
					Method of Shipment: FEDEX OVERNIGHT
					Airbill No.: 5511512602 Total No. of Coolers Shipped: 4

forms/cocrecor.doc

7685

000014

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): TOM, Judy
Sampler's Signature(s):

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SO. Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-001
Date: 8-17-95

Pay Items/Analyses Required

QC Level: C | ~~D~~ | E

TAT (in days): 2 | 7 | ~~14~~ | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: CHILL 4°C	Preservation: DISSOLVED METALS (4.1)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B1006	08/17/95 9:00	FIELD BLANK	GW WATER		LITER POLY			70	
76B1004	08/17/95 10:45	D2DGMW25	GW WATER		LITER POLY			70	
76E1001	08/17/95 15:15	D5UGMW27	GW WATER		LITER POLY			70	

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	08/17/95	15:45	SHIP TO LAB
	Maureen	8/18/95	1000	

Comments/Instructions:

Method of Shipment: FED EX OVERNIGHT

Airbill No.: 5511512602

Total No. of Coolers Shipped: 4

1 forms.coc/recor doc

CLEAN II

7684

CHAIN-OF-CUSTODY RECORD

000015

Site Name: MCAS EL TORO
CTO Number: CTO 76

Sampler's Name(s): Tom Judy
Sampler's Signature(s):

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 So. Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B ~~EX~~ 8-17-95 001
Date: 8-17-95

QC Level: C | ~~D~~ | E

TAT (in days): 2 | 7 | ~~14~~ | 30

Pay Items/Analyses Required: VOC (1.1), SVOC (2.1), TPHd (5.57), TPHg (5.55), ~~8240~~ 8260, ~~TOC~~ (5.125), Pest/PCB (3.1), HGRB (3.7), MG TALS (4.1), TOC (5.46), TSS (5.94)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC (1.1) HCL	SVOC (2.1) 4°	TPHd (5.57) 4°	TPHg (5.55) HCL	8260 HCL	TOC (5.125) 4°	Pest/PCB (3.1) 4°	HGRB (3.7) 4°	MG TALS (4.1) H_2SO_4	TOC (5.46) 4°	TSS (5.94) 4°	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)											
76B1006	08/17/95 9:00	MCAS EL TORO (FIELD BLANK)	GW WATER		40 ML VOA	01 02 03			08 09 10	11 12 13				19 20			FIELD BLANK
76B1006	08/17/95 9:00	MCAS EL TORO (FIELD BLANK)	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17					FIELD BLANK
76B1006	08/17/95 9:00	(MCAS EL TORO) FIELD BLANK	GW WATER		LITER POLY								18		21		FIELD BLANK
76B1004	08/17/95 10:45	02DGMW 25	GW WATER		40 ML VOA	01 02 03			08 09 10	11 12 13							
76B1004	08/17/95 10:45	02DGMW 25	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17		19 20			
76B1004	08/17/95 10:45	02DGMW25	GW WATER		LITER POLY								18		21		
76B1009	08/17/95 10:45	TRIP BLANK	GW WATER		40 ML VOA	01 02											TRIP BLANK
76E1001	08/17/95 15:15	05UGMW27	GW WATER		40 ML VOA	01 02 03			08 09 10	11 12 13				19 20			
76E1001	08/17/95 15:15	05UGMW27	GW WATER		LITER AMBER		04 05	06 07			14 15	16 17					
76E1001	08/17/95 15:15	05UGMW27	GW WATER		LITER POLY								18		21		

Relinquished By	Received By	Date	Time	Reason for Transfer
	FEDEX	8/17/95	15:45	SHIP TO LAB
	Maureen	8-18-95	1000	

Comments/Instructions: FOR VOCs, PLEASE FAX PRELIMINARY DATA WITHIN 2 DAYS.

Method of Shipment: FED EX OVERNIGHT

Airbill No.: 5511512602

Total No. of Coolers Shipped: 4

forms-cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax 802-655-1248

September 29, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 53390; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on August 30 and September 1, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on August 30, 1995 ETR No. 53390		
76B400201	269212	Water
76B400202	269213	Water
76B400203	269214	Water
76B400204	269215	Water
76B400205	269216	Water
76B400206	269217	Water
76B400207	269218	Water
76B400208	269219	Water
76B400209	269220	Water
76B400210	269221	Water
76B400211	269222	Water
76B400212	269223	Water
76B400213	269224	Water
76B400214	269225	Water
76B400215	269226	Water
76B400216	269227	Water
76B400217	269228	Water
76B400219	269229	Water
76B400221	269230	Water
76B400222	269231	Water
76B400223	269232	Water
76B400224	269233	Water
76B400225	269234	Water
76B400226	269235	Water
76B400228	269236	Water
76B400228	269318	Filtrate
76B400229	269237MS	Water

CLEAN II

CHAIN-OF-CUSTODY RECORD

7524

000003

Site Name: MCAS El Toro
CTO Number: 0076

Sampler's Name(s): M. Dalrymple, S. Soderberg
Sampler's Signature(s): M Dalrymple S Soderberg

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester, VT
Field QC Package Number: NA
Field Logbook/Page Number: SW-76B-001 / 028 - 033 to 040 LMD 8-29-95
Date: ~~8-28-95~~ LMD 8-29-95 8-29-95

QC Level: C (D) E

TAT (in days): 2 7 (14) (30) LMD 8-29-95

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	1.1/VOCs (HCL)	5.55/TPH-g (HCL)	5.135/HVOCs/BTEX (HCL)	5.13/PP/SVOCs/PCBs (NONE)	5.51/Diesel (NONE)	3.1/Pest/PCBs (NONE)	3.8/Herbicides (NONE)	LMD 8-29-95	LMD 8-29-95		Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
~~76B4001~~	8-28-95 1235	site 2 - SW01	Water		~~40 ml~~ VOA	01 02 03	08 09 10	11 12 13	/	/	/	/	/	/	/	LMD 8-29-95
~~76B4003~~	8-28-95 1355	↓	↓		↓	01 02 03	08 09 10	11 12 13	/	/	/	/	/	/	/	LMD 8-29-95
76B4004	8-23-95 0900	site 2 - ~~SW01~~, SW04a	↓		40 ml VOA	01,02 03,04 05	/	01,02 03,04 05	/	/	/	/	/	/	/	Trip blank
76B4002	8-29-95 [illegible]	site 2 - SW04a	Water		40 ml VOA	01 02 03	08 09 10	11 12 13	/	/	/	/			/	
76B4002	↓	↓	↓		↓	29 30	41 42	45 46	/	/	/	/				MS
76B4002	↓	↓	↓		↓	31 32	43 44	47 48	/	/	/	/				MSD
76B4005	↓	site 2	↓		↓	01 02 03	08 09 10	11 12 13	/	/	/	/				
76B4002	8-29-95 1145	site 2 - SW04a	↓		1 l Amber	/	/	/	04 05	06 07	14 15	16 17				
76B4005	↓	site 2	↓		↓	/	/	/	04 05	06 07	14 15	16 17				
76B4002	↓	site 2 - SW04a	↓		↓	/	/	/	33 34	37 38	49 50	53 54				MS
76B4002	↓	↓	↓		↓	/	/	/	35 36	39 40	51 52	55 56				MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
M. Dalrymple	Fed Ex	8-29-95	1700	Analysis
	[illegible]	8/30/95	0900	

Comments/Instructions: All samples cooled to 4°C

Method of Shipment: Fed Ex 8-29-95 LMD

Airbill No.: 5511512576

Total No. of Coolers Shipped: ~~06~~ 6

f:\forms\cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

75/16 LMD 8/29/95

Site Name: MCAS El Toro	Sampler's Name(s): M. Dalrymple, S. Soderberg	Site Contact/Supervisor: Katrina Lyons
CIO Number: Ø76	Sampler's Signature(s): M. Dalrymple, S. Soderberg	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SW-76B-001 / 033 to 040
Date: 8-29-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4.1/TAL Metals	5.94/TSS	5.13/BOD	5.9/Ammonia/Anions/Nitrite	TKN/COD/Nitrate	TDS/Turbid.	Diss. metals			Remarks (e.g., MS, MSD)
						Preservation									
						None	None	None	H_2SO_4	None	H_2SO_4	None	*		
						Container Nos. (2 digit)									
76B4002	8-29-95 1230	Site 2 - SWØ4	Water		1 l Poly	18 ~~59~~	21 ~~60~~	22 ~~61~~	23 ~~62~~	24 ~~63~~ ~~64~~	25 ~~65~~ ~~66~~	26 ~~67~~	28 ~~69~~ ~~70~~	LMD 8-29-95	
↓	↓	↓	↓		↓	57	60	61	62	63	65	67	69		MS
↓	↓	↓	↓		↓	57	/	/	/	64	66	/	70	LMD 8-29-95	MSD
76B4005	8-29-95 1230	SITE 2	↓		↓	18	21	22	23	24	25	26	28		

LMD 8-29-95

LMD 8-29-95

Relinquished By	Received By	Date	Time	Reason for Transfer
M Dalrymple	Fed Ex	8-29-95	1700	Analysis
	[illegible]	8/30/95	0900	

Comments/Instructions:
All samples cooled to 4°C.
* Lab: add HNO_3 and filter prior to analysis

Method of Shipment: Fed Ex
Airbill No.: 5511512576
Total No. of Coolers Shipped: 6

Forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7529

Site Name: MCAS El Toro	Sampler's Name(s): M. Dalrymple, S. Soderberg	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [illegible]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr, Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SW-76B-002/028-032
Date: 8-31-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | (14) | 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Ammonia	Anions/Alk/Nitr	TKN/Cu/Nitrate	TDS/Turb	Diss metals	LMD 8/31/95					Remarks (e.g., MS, MSD)
						H_2SO_4	None	H_2SO_4	None	*			8/31/95 LMD			
						Container Nos. (2 digit)										
76B4006	8-31-95 1150	Site 2	Water		1 l Poly	23	24	25	26	28			LMD 8/31/95			
76B4007	8-31-95 1310	↓	↓		1 l Poly	23	24	25	26	28						

LMD 8-31-95

LMD 8/31/95

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
[illegible]	Fed Ex	8-31-95		Analysis	All samples cooled to 4°C.
	[illegible]	9/1/95	0930	ANALYSIS	* LAB TO ADD HNO_3 + filter.
					Method of Shipment: Fed Ex
					Airbill No.: 6715056434 Total No. of Coolers Shipped: 3

Forms/cocrecor

7528

000006

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): M. Dalrymple, S. Sodderberg
Sampler's Signature(s): M. Dalrymple, S. Sodderberg

Site Contact/Supervisor: Katrin Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S Park Ide, Colchester VT
Field QC Package Number: NA
Field Logbook/Page Number: SW-76B-002/028-032
Date: 8-31-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs	TPH-g	HVOCs/SVOCs	SVOCs/PAHs	TPH-d	Pest/PCBs	Herbicides	TAL Metals	TSS	BOD	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	HCl	None	None	None	None	None	None	None	
Container Nos. (2 digit)																
76B4006	8-31-95 1100	Site 2	Water		40 ml VOA	01 02 03	08 09 10	11 12 13								
76B4007	8-31-95 1120					01 02 03	08 09 10	11 12 13								
76B4008	8-31-95 1330					01,02 03,04 05,06		01,02 03,04 05,06								
76B4006	8-31-95 1150				1 l Amber				04 05	06 07	14 15	16 17				
76B4007	8-31-95 1310								04 05	06 07	14 15	16 17				
76B4008	8-31-95 1150				1 l Poly								18	21	22	
76B4007	8-31-95 1310												18	21	22	

LMD 8/31/95

LMD 8/31/95

Relinquished By	Received By	Date	Time	Reason for Transfer
M. Dalrymple	Fed Ex	8-31-95		Analysis
	[illegible]	9/1/95	0930	Analysis

Comments/Instructions: All Samples cooled to 4°C

Method of Shipment: Fed Ex

Airbill No.: 6715056434

Total No. of Coolers Shipped: 3

I:\forms\cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

November 16, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 54044; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on September 28, 30, October 4, 5, 6, 7 and 10, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on September 28, 1995 ETR No. 54044		
76B000101	272449	Water
76B000102	272450	Water
76B000103	272451	Water
76B000104	272452	Water
76B000105	272453	Water
76B000106	272454	Water
76B000107	272455	Water
76B000108	272456R1	Water
76B000109	272457	Water
76B000110	272458	Water
76B000111	272459	Water
76B000112	272460R1	Water
76B000113	272461	Water
76B000114	272462	Water
76B000115	272463	Water
76B000115	272477	Filtrate
76B000116	272464	Water
76B000117	272465	Water
76B000118	272466	Water
76B000119	272467	Water
76B000120	272468	Water
76B000201	272469	Water
76B000202	272470	Water
76B000203	272471	Water
76B000204	272472	Water
76B000205	272473	Water
76B000206	272474	Water
76B0901	272475	Water

CLEAN II

CHAIN-OF-CUSTODY RECORD

7585

000003

Site Name: MCAS El Toro	Sampler's Name(s): Curtis Obi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Curtis Obi	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001 / pg 1
Date: 9/27/95

Pay Items/Analyses Required

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	5.136/VOC CLP (HCL)	5.125/8010/8020 (HCL)	5.137/SVOC (None)	5.128/PAH (None)	3.2/5.57/SIM (None)	3.1/TPHD (None)	3.1/Pest/PCB (None)	3.8/Herbicides (None)	4.1/CLP Metals (HCL)	5.55/TPH Gas (—)	Remarks (e.g., MS, MSD)
76B0901	9/27/8:10	02-NEW8	Water	Yes	40ml VOA	01 03 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Archive/ Rinseate Blank
↓	↓	↓	↓	↓	1L Amber	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	↓
↓	↓	↓	↓	↓	1L Poly	/	/	/	/	/	/	/	17	/	/	Filter and Preserve by Lab ↓

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
Maynard Beals	6715057403 / Maureen	9/27/95 / 9/28/95	1500 / 1050	Shipping	

Method of Shipment: Fed Ex

Airbill No.: 6715057403 | Total No. of Coolers Shipped: 3

f:/forms/cocrecor.doc

7592

000004

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Stephen Knüttel
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-001/1,2
Date: 9/26/95

QC Level: C ~~R~~ E

TAT (in days): 2 7 ~~14~~ ~~30~~ 76 9/25

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	5.136/8260 (HCL)	5.125/8010/8020 (HCL)	5.137/SVOC (None)	5.128/PAH SIM (None)	3.1/PEST/PCB (None)	3.8/Herbicides (None)	4.1/CLP Metals (None)	5.55/TPH GC (HCL)	5.57/TPH DRO (None)	Remarks (e.g., MS, MSD)
76B0001	9/26/0800	02-NEW8	DIW	No	VOA	01 02 03	04 05 06						16 17 18		* —
					76 9/25 1 liter VOA Amb			07 08	09 10	11 12	13 14			19 20	* —
					1L Poly							15			*Filter & Preserve by Lab
76B0002	9/26/0830	02-NEW8	DIW	No	VOA	01 02 03	04 05 06								** —

Relinquished By	Received By	Date	Time	Reason for Transfer
Margaret Fenlon	6715057403	9/27/95	1500	Shipping
	Maureen [illegible]	9/28/95	1030	

Comments/Instructions:
*Rinsate Blank
** Trip Blank

Method of Shipment: Fed Ex
Airbill No.: 6715057403
Total No. of Coolers Shipped: 3

t:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7537

000005

Site Name: MCAS El TORO
CTO Number: 076

Sampler's Name(s): John Levy
Sampler's Signature(s): John Levy

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DR. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001/029 ~~028~~ 9-29-95 JN
Date: 9-29-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP Metals	(5.55) TPH GAS		Remarks (e.g., MS, MSD)
						Preservation										
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl		
						Container Nos. (2 digit)										
T6B0904	9-29-95 09:00	02 NEW 8A	DIW	YES	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/		18 19 20		Rinsate Blank
↓	↓	↓	↓	↓	1 L. AMBER	/	/	07 08	09 10	11 12	13 14	15 16	/	/		↓
					1 L. POLY	/	/	/	/	/	/	/	17	/		

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	9-29-95	15:20	Ship to Lab
	Maureen L. Levy	9/30/95	1115	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057344

Total No. of Coolers Shipped: 2

t:/forms/cocrecor.doc

7656

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): Dan Park

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001/027, 028
Date: 9-28-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 80

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8240 DPA-28	(5.137) 8010/8020	(5.128) SVOC	(3.1) PAH SIM	(3.8) Pest/PCB	(4.1) Herb.	(5.55) CLP Metals	(5.57) TPH Gas	TPH Diesel	Remarks (e.g., MS, MSD)
						Preservation										
						HCL	HCL	None	None	None	None	None	HCL	None		
						Container Nos. (2 digit)										
76B0902	9/28/0730	02NEW8A	DIW	No	VOA	01 02 03	04 05 06	/	/	/	/	/	18 19 20	/	/	Rinseate Blank
↓	↓	↓	↓	↓	1L Amber	/	/	07 08	09 10	13 14	15 16		4-28	11 12	/	↓
↓	↓	↓	↓	↓	1L Poly	/	/	/	/	/	/	17	/	/	/	↓
9-29 076B0903	9/28/1030	02NEW8A	DIW	No	40ML VOA	01 02	03 04	/	/	/	/	/	/	/	/	Trip Blank

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED EX	9-29-95	15:20	Ship to Lab
	[illegible]	9/30/95	1115	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057344

Total No. of Coolers Shipped: 2

I:/forms/cocrecor.doc

CLEAN II

7654

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro	Sampler's Name(s): Maynard Geisler	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001/004, 032, 033
Date: 10-2-95

QC Level: C [D] E

TAT (in days): 2 | 7 | 14 | [30]

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) 8260	(5.135) 8010/8020	(5.137) SVOC	(5.128) PAH SIM	(3.1) Pest/PCB	(3.8) Herb.	(4.1) CL Metals	(5.55) TPH Gas	(5.57) TPH Diesel	Remarks (e.g., MS, MSD)
Preservation						HCL	HCL	None	None	None	None	None	HCL	None	
Container Nos. (2 digit)															
76B0907	10-02-95 13:~~15~~30	02 NEW 2	DIW	No	VOA 40 ML	01 02 03	04 05 06	/	/	/	/	/			Rinsate Blank
	JDL 10-2-95		↓	↓	1L Amber			07 08	09 10	13 14	15 16			11 12	↓
			↓	↓	1L Poly	/	/	/	/	/	/	17.	/	/	
76B0921	10-2-95 13:30	02 NEW 2	TPB	↓	40 ML VOAS	01 02	03 04	/	/	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Ferry	FED EX	10-3-95	16:30	SHIP TO LAB	
	Maureen [signature]	10-4-95	1000		

Method of Shipment: FED-EX
Airbill No.: 6715057333
Total No. of Coolers Shipped: 4

f:/forms/cocrecor.doc

8643

000008

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): William McGuire
Sampler's Signature(s): William McGuire

Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001/ 005, 034
Date: 10-3-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						Preservation									
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	
						Container Nos. (2 digit)									
76B0906	9-29-95 08:30	02 NEW 3	DIW	YES	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	/	Rinsate Blank
↓	↓	↓	↓	↓	AG 1 L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	↓
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	↓

Relinquished By	Received By	Date	Time	Reason for Transfer
John Leary	FED-EX	10 3 95	16:30	Analysis
	[illegible]	10-4-95	1000	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 671505 7333

Total No. of Coolers Shipped: 4

f:/forms/cocrecor.doc

7541

000009

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr, Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: 076-SS-001/031
Date: 10-2-95

Pay Items/Analyses Required: 5.43/TDS; 5.48/Turbidity

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Preservation: None; None

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B0905	10/2/9:20	Water Deionizer	Water	NO	1L Poly	30 →	Source Blank

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-3-95	16:30	Analysis
	Maureen [signature]	10-4-95	1000	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057333

Total No. of Coolers Shipped: 4

f:/forms/cocrecor

7540

000010

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001/030, 031
Date: 10-2-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	5.11/TOC	5.94/TSS	5.13/BOD	5.9/Ammonia	5.14/Anions	5.7/Alkalinity	5.71/Nitrite	540/TKN	5.16/COD	5.66/Nitrate	Remarks (e.g., MS, MSD)
						Preservation										
						H_2SO_4	None	None	H_2SO_4	None	None	None	H_2SO_4	→	→	
						Container Nos. (2 digit)										
1 76B0905	10/2/4:20	Water Deionizer	Water	No	40ml VOA	23 24	1	1	1	1	1	1	1	1	1	Source Blank
↓	↓	↓	↓	↓	1L Poly	1	25	26	27	28	→	→	29	→	→	↓

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Fed Ex	10-3-95	16:30	Analysis
	[signature]	10-4-95	1000	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057333

Total No. of Coolers Shipped: 4

f:/forms/cocrecor.doc

7539

000011

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: EL TORO MCAS
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076 SS-001/030
Date: 10-2-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	5.136/VOC CLP	5.125/8010/8020	5.137/SVOC	5.128/PAH SIM	557/TPH Diesel	3.1/Pest-PCB	3.8/Herbicides	4.1/CLP Metals*	5.55/TPH Gas	4.1/TAL Metals	Remarks (e.g., MS, MSD)
					Preservation	HCL	HCL	None	None	None	None	None	None	HCL	None	
					Container Nos. (2 digit)											
J 76B0905	10/2/9:20	Water Deionizer	Water	No	40ml VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Source Blank
↓	↓	↓	↓	↓	1L Amber	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	↓
↓	↓	↓	↓	↓	1L Poly	/	/	/	/	/	/	/	17*	/	22	↓

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-3-95	16:30	SHIP TO LAB
	Lauren [signature]	10/4/95	1000	

Comments/Instructions: * Dissolved Metals, HNO_3 should be added at Lab. Sample already has been filtered.

Method of Shipment: FED-EX

Airbill No.: 6715057333

Total No. of Coolers Shipped: 4

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8640

000012

Site Name: MCAS El Toro	Sampler's Name(s): ~~Mi~~ Tom Judy	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s):	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester, VT
Field QC Package Number: NA
Field Logbook/Page Number: MW-76B-001 / SS-76B-001 p.4 p.8
Date: 10-3-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (10.136)	8010/8020 (10.125)	SVOCs (10.137)	PAHs (10.128)	Pest/PCB (8.1)	Herbs (8.8)	Metals (9.1)	TPH-g (10.55)	TPH-d (10.57)	Remarks (e.g., MS, MSD)
Preservation						4°C									
Container Nos. (2 digit)															
76B0007	9-27-95 10:20	02NEW8A	Soil	/	SS Tube	02	02	01	01	01	02	02	02	01	—
76B0003	9-26-95 11:30	02NEW8A	water	/	40 ml VOA	01 02 03	05 04 06	/	/	/	/	/	/	/	Trip blank HCl preserved

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
	~~Mi~~ Fed/EX	10-3-95	16:30	Analysis	
	Maureen	10/4/95	1000		

Method of Shipment: Fed EX

Airbill No.: 6715057333

Total No. of Coolers Shipped: 4

f:/forms/cocrecor.doc

8646

000013

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): William McConike
Sampler's Signature(s): William L. McConike

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DR. Colchester, VT 05446
Field QC Package Number: N/A CREW 1
Field Logbook/Page Number: 076-SS-001/036, 006
Date: 10-4-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.6) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						Preservation									
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	
						Container Nos. (2 digit)									
76B0911	10-4-95 09:00	02 NEW 3	DIW	NO	40 ML. VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	Rinseate Blank
↓	↓	↓	↓	↓	1 L. AMBER	/	/	07 08	09 10	11 12	13 14	15 16	/	/	↓
↓	↓	↓	↓	↓	1 L. POLY	/	/	/	/	/	/	/	17	/	
76B0922	10-4-95 11:43	↓	TPB	↓	40 ML. VOA	01 02	03 04	/	/			/	/	/	Trip Blanks

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-4-95	15:03	Ship to Lab
		10/5/95	0930	ANALYSIS

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057311

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

7649

000014

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Parker, John Levy
Sampler's Signature(s): John Levy

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-001/35, 06
Date: 10-4-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive (VOL 10-4-95)	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERB W.OP	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						Preservation									
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	
						Container Nos. (2 digit)									
76B0912	10-4-95 08:30	02 NEW 2	DIW	~~40ML~~ ~~VOA~~ X	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	Rinsate Blanks
↓	↓	↓	↓	X	1 L. AMBER	/	/	07 08	09 10	11 12	13 14	15 16	/	/	↓
↓	↓	↓	↓	X	1 L. POLY	/	/	/	/	/	/	/	17	/	↓
				(YES) ↑											

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-4-95	15:03	Ship to Lab
		10/5/95	0930	ANALYSIS

Comments/Instructions: Please archive these samples.

Method of Shipment: FED-EX

Airbill No.: 6715057311

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

7652

000015

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-001 / 007, 039, 040
Date: 10-5-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X
Container Nos. (2 digit)															
7680910	10-5-95 09:00	02 NEW 2	DIW	NO	40 ML. VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Rinseate Blanks
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	↓
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	↓
7680923	↓	↓	TPB	↓	40 ML VOA'S	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANKS

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-5-95	14:54	Ship to Lab
		10/6/95	1000	ANALYSES

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057300

Total No. of Coolers Shipped: 2

f:/forms/cocrecor...

7650

000016

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): William L. McConihe
Sampler's Signature(s): William L. McConihe

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A CREW 1
Field Logbook/Page Number: 076-SS-001 / 007, 038
Date: 10-5-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC QP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X
Container Nos. (2 digit)															
76B0909	10-5-95 08:15	02 NEW 3	DIW	YES	40 ML. VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Rinseate Blanks
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	↓
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	↓

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-5-95	14:53	Ship to Lab
		10/6/95	1000	ANALYSES

Comments/Instructions: Please archive these samples!

Method of Shipment: FED-EX

Airbill No.: 6715057300

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

9014

000017

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Maynard Geisler
Sampler's Signature(s): Maynard Geisler

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SO. PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-001/008, 041, 042
Date: 10-6-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.117) TOC	(5.94) TSS	(5.13) BOD	(5.9) Ammonia	(5.14) Anions	(5.7) Alkalinity	(5.21) Nitrite	(5.40) TKN	(5.46) COD	(5.66) Nitrate	(5.93) TDS	(5.98) Turbidity	Remarks (e.g., MS, MSD)
Preservation						H_2SO_4	NONE	NONE	H_2SO_4	NONE	→		H_2SO_4	→	NONE	→		
Container Nos. (2 digit)																		
76B0913	10-6-95 11:00	02 NEW 2	WBL	NO	40ML VOA	23, 24	/	/	/	/	/	/	/	/	/			
↓	↓	↓	↓	↓	P1L	/	25	26	27	28 →			29 →		30 →			

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX / Maureen [illegible]	10-6-95 / 10/7/95	15:00 / 1100	Ship to Lab

Comments/Instructions: These samples are source blanks

Method of Shipment: FED-EX

Airbill No.: 6715057285

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

9015

000018

CLEAN II

CHAIN-OF-CUSTODY RECORD

JDL 10-6-95

Site Name: ~~Inchcape~~ MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Maynard Geisler
Sampler's Signature(s): Maynard Geisler

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 So. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-001/008, 041, 042
Date: 10-6-95

Pay Items/Analyses Required

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP DISSOLVED METALS*	(5.55) TPH GAS	(4.1) TAL METALS	Remarks (e.g., MS, MSD)
						Preservation										
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	NONE	
						Container Nos. (2 digit)										
76B0913	10-6-95 11:00	02 NEW 2	WBL	NO	40 ML. VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG 1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17*	/	22*	*LAB FILTER AND ADD HNO3
76B0926	10-6-95 N/A	↓	TPB	↓	40 ML VOA	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANKS

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Fed-Ex	10-6-95	15:00	Ship to Lab
	Maureen L. [illegible]	10/7/95	1600	

Comments/Instructions: These samples are source blanks

Method of Shipment: FED-EX

Airbill No.: 6715057285

Total No. of Coolers Shipped: 2

1:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7619

000019

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): William McCorth
Sampler's Signature(s): William McCorth

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: NA CREW 1
Field Logbook/Page Number: SS-76B-001/ 12, 13
Date: 10-6-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: 5.13/BOD, 5.9/Ammonia, 5.14/Anions, 5.7/Alkalinity, 5.71/Nitrite, 5.40/TKN, 5.16/COD, 5.66/Nitrate, 5.93/TDS, 5.99/Turbidity

Preservation: None, H_2SO_4, None, →, →, H_2SO_4, →, →, None, →

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B0908	10-5-95 14:00	Source Blank Layne Drilling Water	Water		1L Poly	26	27	28	→	→	29	→	→	30	→	—

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-6-95	15:00	Ship to Lab
	Maureen [illegible]	10/7/95	1100	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057285

Total No. of Coolers Shipped: 2

1/forms/cocrecor

CLEAN II

7618

CHAIN-OF-CUSTODY RECORD

000020

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): William McCarita
Sampler's Signature(s): William McCarita

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: NA CREW 1
Field Logbook/Page Number: SS-76B-001/12,13
Date: 10-6-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	5.136/VOC CLP	5.137/SVOC	5.128/PAH SIM	5.57/TPH D	3.1/Pest-PCB	3.8/Herbicides	4.1/CLP Dissolved metals	4.1/TAL Metals	5.117/TOC	5.44/TSS	Remarks (e.g., MS, MSD)
					Preservation	HCL	None	None	None	None	None	None	None	H_2SO_4	None	
					Container Nos. (2 digit)											
76B0908	10-5-95 14:00	Source Blank Layne Drilling Water	Water		40 mL VOA	01 02 03								23 24		
↓	↓	↓	↓		1 L Amber		07 08	09 10	11 12	13 14	15 16					
↓	↓	↓	↓		1 L Poly							17	22		25	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-6-95	15:00	Ship to Lab
	Maureen	10/7/95	1100	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057285

Total No. of Coolers Shipped: 2

1:/forms/cocrecor

9021

000021

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Maynard Geisler,	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Maynard Geisler	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-001/p. 009, 044
Date: 10-9-95

Pay Items/Analyses Required: (5.14) Anions (6.7) Alk (6.7) Nitrite (5.40) TKN (5.46) Nitrate COD (6.46) TDS (5.63) Turbidity

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: NONE	H_2SO_4	NONE								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B0943	10-9-95 13:40	02 NEW 2	DRINKING WATER	NO	P1L	01	02	03	/	/	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Levy	FED-EX	10-9-95	14:44	Ship to Lab	These are resamples for Sample 76B0913 that arrived at lab on Saturday + exceeded holding time
		10/10/95	1000	ANALYSIS	
					Method of Shipment: FED-EX
					Airbill No.: 6715057263 Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

7635

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Curtis M. Obi	Site Contact/Supervisor: Jacques P. Lord/Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Curtis Obi	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT
Field QC Package Number: NA
Field Logbook/Page Number: MW-76B-002/15-17
Date: 10/9/95

QC Level: C / D / E

TAT (in days): 2 / 7 / 14 / 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (10.136)	SVOC/BNA (10.125)	SVOCs (10.137)	PAHs (10.128)	Pest/PCBs (8.1)	Herbs (8.8)	Metals (9.1)	TPH-g (10.55)	TPH-d (10.57)	VOCs CLP (5.136) SVOC/BNA CLP (5.125)	Remarks (e.g., MS, MSD)
					Preservation	4°C									4°C, HCL	
					Container Nos. (2 digit)											
76B0253	10-3/1345	02NEW2/65.5-66.0'	SBS		SST6TC	02	02				02	02	02			
76B0253	10-3/1345	02NEW2/66.0-66.5'	SBS		SST6TC			01	01	01				01		
76B0255	10-3/1535	02NEW2/75.5-76.0'	SBS		SST6TC	02	02				02	02	02			
76B0255	10-3/1535	02NEW2/76.0-76.5'	SBS		SST6TC			01	01	01				01		
76B0257	10-3/1200	02NEW2	WATER		40MLVOA										01 02 03	Trip Blank

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-9-95	14:44	Ship to Lab
		10/10/95	1000	ANALYSIS

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057263

Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

000022

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax 802-655-1248

November 30, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 54314; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on October 10, 11, 13, 14, 18, 19 and 21, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on October 11, 1995 ETR No. 54314		
76B00901	273632	Liquid
76B00902	273633	Liquid
76B00903	273634	Liquid
76B00904	273635	Liquid
76B001301	273636	Soil
76B001301	273636D1	Soil
76B001302	273637	Soil
76B001601	273638	Soil
76B001601	273638D1	Soil
76B001601	273638MS	Soil
76B001601	273638MD	Soil
76B001601	273638DP	Soil
76B001602	273639	Soil
76B001602	273639MS	Soil
76B001602	273639MD	Soil
76B001602	273639DP	Soil
LCSS	273640	Solid
Samples Received on October 12, 1995 ETR No. 54366		
76B091401	273987	Water
76B091402	273988	Water
76B091403	273989	Water
76B091404	273990	Water
76B091405	273991	Water
76B091406	273992	Water

7638

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Maynard Geisler
Sampler's Signature(s): Maynard Geisler

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-001 pg 17,19
Date: 10/10/95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC (10.136)	8090/8020 (10.125)	SVOC (10.137)	PAH (10.128)	Pest/PCB (8.1)	Herb. (8.8)	Metal (9.1)	TPHs (10.55)	TPHd (10.57)	TOC (10.117)	Remarks (e.g., MS, MSD)
Preservation						4°C										
Container Nos. (2 digit)						10/10										
76B0013	10/2/1505	02NEW3/86.5'-87.0'	SBS	/	SST6TC	02	/	01	01	01	/	/	/	01	/	
76B0013	10/2/1505	02NEW3/86.0'-86.5'	SBS	/	SST6TC	02	02	/	/	/	02	02	02	/	/	
76B0016	10/4/1450	02NEW3/216.5-217.0'	SBS	/	SST6TC	/	/	01	01	01	/	/	/	01	01	
76B0016	10/4/1450	02NEW3/216.0-216.5'	SBS	/	SST6TC	02	02	/	/	/	02	02	02	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
Maynard Geisler	Maynard Geisler	10/10/95	1115	~~Back to Lab~~ 10-10-95 JDL HOLD
Maynard Geisler	John Levy	10/10/95	14:31	Pack for shipping
John Levy	FED-EX	10/10/95	14:40	Ship to Lab
	Maureen K.	10/10/95	10:38	

Comments/Instructions: N/A

Method of Shipment: Fed Ex

Airbill No.: 6715057230

Total No. of Coolers Shipped: 1

1:/forms/cocrecor.doc

7630

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro	Sampler's Name(s): Maynard Geisler	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Maynard Geisler	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 555 S. Park Dr., Colchester VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-001, p21 10 MG
Date: 10/10/95

Pay Items/Analyses Required: VOC CLP 5.136; 8010/8020 (5125)

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C HCL	Preservation: 4°C HCL	Remarks (e.g., MS, MSD)
M- ~~76B1027~~								
76B009	10/2/0700	OZNEW3	~~Water~~ TPB JDL 10-10-95	NO	40MLVOA	2	2	Trip Blank

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
[signature]	[signature]	10/10/95	1040	~~Back to Client~~ 10-10-95 JDL	HOLD N/A
[signature]	[signature]	10/10/95	1430	Pack for Shipping	
[signature]	FED-EX	10/10/95	14:40	Ship to Lab	
	[signature]	10/11/95	1030		

Method of Shipment: Fed Ex
Airbill No.: 6715057230
Total No. of Coolers Shipped: 1

t:\forms/cocrecor

CLEAN II

CHAIN-OF-CUSTODY RECORD

9018

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Dennis Parker	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DR., COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW 1
Field Logbook/Page Number: 076-SS-001/046, 045, 010
Date: 10-10-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS		Remarks (e.g., MS, MSD)
					Preservation	HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl		
					All 4°C Container Nos. (2 digit)											
7B0914	10-10-95 14:30	02 NEW 3	DIW	NO	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	X
↓	↓	↓	↓	↓	AG 1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	X
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	FILTER AND ADD HNO3 AT LAB
7B0927	10-10-95 N/A	↓	TPB	↓	40 ml. VOA	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANKS

Relinquished By	Received By	Date	Time	Reason for Transfer
John Lery	FED-EX	10-11-95	13:38	Ship to Lab
	Michael Hey	10/12/95	0930	

Comments/Instructions: Please Filter and add HNO3 to Metals (container #17) at your lab.

Method of Shipment: FED-EX

Airbill No.: 6715057226

Total No. of Coolers Shipped: 1

1:forms/cocrecor.doc

CREW1 02 NEW 6

9020

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): William L McCarthy	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): William L McCarthy	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW
Field Logbook/Page Number: 076-SS-001 / 013, 049
Date: 10-12-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	None	None	None	None	None	None	HCl	X
76B0915	10-12-95 08:30	02 NEW 6	DIW	YES	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	Rinseate Blanks
↓	↓	↓	DIW ~~AG1L~~	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
			DIW ~~P1L~~		P1L	/	/	/	/	/	/	/	17	/	/	LAB FILTER AND ADD HNO3
			JDL 10-12-95			/	/	/	/	/	/	/	/	/	/	
76B0930	10-12-95 14:00	ER TRAILER	DIW	NO	40 ML VOA'S	01 02	03 04	/	/	/	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Levy	FED-EX	10-12-95	15:00	Ship to Lab	Sufficient sample provided to run MS/MSD analysis
	[illegible]	10/13/95	0930		
					Method of Shipment: FED-EX
					Airbill No.: 6715057215 — Total No. of Coolers Shipped: 2

f:\forms\cocrecor.doc

CREW 2 02 NEW 1

9142

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: NCAS EL TORO	Sampler's Name(s): STEPHEN KUTTEL	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s):	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER VT. 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-001 / 013, 050
Date: 10-12-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.95) TPH GAS		Remarks (e.g., MS, MSD)
						Preservation										
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X	
						Container Nos. (2 digit)										
076B0916	10-12-95 08:30	02 NEW 1	DIW	NO	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Rinseate Blanks
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
					P1L	/	/	/	/	/	/	/	17	/	/	LAB FILTER AND ADD HNO3

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	~~10-12-9~~ FED-EX	10-12-95	15:00	Ship to Lab
	10-12-95 JOL	10/13/95	0930	

Comments/Instructions: Sufficient sample provided to run MS/MSD analysis

Method of Shipment: FED-EX

Airbill No.: 6715057215

Total No. of Coolers Shipped: 2

1 forms/cocrecor doc

CREW 2 02 NEW 1

8913

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Maynard Geisler	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Maynard Geisler	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DR., COLCHESTER, VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-002/ 001, 027
Date: 10-13-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: (5.136) VOC CLP; (5.125) 8010/8020; (5.137) SVOC; (5.128) PAH-SIM; (5.57) TPH DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (4.1) CLP METALS; (5.55) TPH GMS

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GMS		Remarks (e.g., MS, MSD)
					Preservation	HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X	
					Container Nos. (2 digit)											
76B0917	10-13-95 08:30	02 NEW 1	DIW	YES	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Equip. Rinsates
					AG 1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
					P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at Lab.

SUFFICIENT SAMPLE PROVIDED FOR MS/MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	FED-EX	10-13-95	14:09	Ship to Lab
	[illegible]	10/14/95	1100	

Comments/Instructions: PLEASE ARCHIVE THESE SAMPLES

Method of Shipment: FED-EX

Airbill No.: 6715057204 Total No. of Coolers Shipped: 2

I:/forms/cocrecor.doc

CREW 1 02 NEW 6

8916

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Dennis Parker	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DR., COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW 1
Field Logbook/Page Number: 076-SS-002/001, 028
Date: 10-13-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS		Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X	
Container Nos. (2 digit)																
76B0918	10-13-95 08:30	02 NEW 6	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Equip. Rinsates
↓	↓	↓	↓	↓	AGLL	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at Lab.
76B0931	10-13-95 09:00	ER TRAILER	TPB	↓	40ML VOA	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANK

Sufficient Sample Provided For MS/MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-13-95	14:09	Ship to Lab
		10/14/95	1100	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715057204

Total No. of Coolers Shipped: 2

I:\forms\coctrecd.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7678

Site Name: EL TORO MCAS	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Dennis Parker	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-001/22
Date: 10-17-95

Pay Items/Analyses Required: 5.125/4010/4020

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Preservation: HCL

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76B0018	10-11-95 09:00	O2NGW6	Water	NO	40ML VOA	01 02	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX Maureen	10-17-95 10/18/95	14:33 1000	Ship to Lab

Comments/Instructions:

Method of Shipment: FED-EX
Airbill No.: 6715057193
Total No. of Coolers Shipped: 2

F-rms/cocrecor.doc

CREW 2

8918

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Geisler	Site Contact/Supervisor: Katrina Lyons
CTO Number: EL TORO 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DR., Colchester VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-002/002, 030, 031
Date: 10-16-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required / Preservation

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.6) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS		Remarks (e.g., MS, MSD)
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X	
						Container Nos. (2 digit)										
7680919	10-16-95 05:30	02 NEW 1	DIW	NO	40 ML VOA'S	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Equipment Rinsates
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO_3 at Lab.
~~7680932~~	~~10-16-95 9:00~~	~~ER TRAILER~~	↓	↓	~~40 ML VOAS~~	~~01 02~~	~~03 04~~	/	/	/	/	/	/	/	/	Removed JDL 10-17-95

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Henry	FED-EX	10-17-95	14:33	Ship to Lab	Sufficient sample provided for MS/MSD
	[signature]	10/19/95	1000		
					Method of Shipment: FED-EX
					Airbill No.: 6715057193 — Total No. of Coolers Shipped: 2

1:\forms\cocrecor.doc

CREW 2

9104

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Maynard Geisler
Sampler's Signature(s): Maynard Geisler

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Enchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-002/003,032
Date: 10-17-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS		Remarks (e.g., MS, MSD)
					Preservation	HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl		
					Container Nos. (2 digit)											
76B0920	10-17-95 07:00	02 NEW 1	DIW	YES	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Equip Rinsates
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	
~~76B~~ VOL 10-17-95																

Relinquished By	Received By	Date	Time	Reason for Transfer
John Terry	FED-EX	10-17-95	14:33	Ship to Lab
	[illegible]	10/18/95	1000	

Comments/Instructions:
Please archive these rinsates
Please filter CLP Metals (container 17) and add HNO3 at Lab.

Method of Shipment: FED-EX

Airbill No.: 6715057193

Total No. of Coolers Shipped: 2

f forms/cocrecor doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

7924

Site Name: EL TORO MCAS	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-001/22,27
Date: 10-17-95

Pay Items/Analyses Required

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	10.136/VOCs	10.125/8010/8020	10.137/SVOC	10.124/PAH	8.1/Pest PCBs	9.8/Herbicides	9.1/Metals	1055/TPH-gas	1057/TPH-diesel	5.136/VOCs	Remarks (e.g., MS, MSD)
						Preservation										
						None									HCL	
						Container Nos. (2 digit)										
76B0023	10-13-95 11:42	02NEWE/~~231~~ 2305'-2315'	Soil	NO	SS Tube	02	02	01	01	01	02	02	02	01		
76B0018	10-11-95 09:00	02NBWE/Trip Blank	Water	↓	40ml VOA		~~01~~ ~~02~~								03 04	
						VOL 10-17-95										

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Terry	FED-EX	10-17-95	14:33	Ship to Lab	Corresponding Rinsate ID - 76B0918
	[signature]	10/18/95	1000		

Method of Shipment: FED-EX
Airbill No.: 6715057193
Total No. of Coolers Shipped: 2

f:\forms\cocrecor.doc

8920

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): SHEILA SODERBERG	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Sheila Soderberg	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester VT. 05446
Field QC Package Number: N/A CREW 1
Field Logbook/Page Number: 076-SS-002/003, 033
Date: 10-17-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) SDWC/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						Preservation									
						HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X
						Container Nos. (2 digit)									
76B0938	10-17-95 10:30	02 NEW 7	DIW	YES	40ml VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
															Please filter and add HNO3 at Lab.
					P1L	/	/	/	/	/	/	/	17	/	/

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Terry	FED-EX	10-17-95	14:33	Ship to Lab	Please archive these rinsates
	Mercer	10/18/95	1002		

Method of Shipment: FED-EX
Airbill No.: 6715057193
Total No. of Coolers Shipped: 2

f:\forms\cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9027

Site Name: MCAS EL TORO	Sampler's Name(s): Maynard Geisler / Curtis Obi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Maynard Geisler / Curtis Obi	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr, Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-002/09,14
Date: 10-18-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: 10.136/VOC's; 10.125/8010/8020; 10.137/SVOC's; 10.128/PAH; 9.1/Pest-PCBs; 9.8/Herb.; 9.1/Metals; 10.55/TPH-gas; 10.57/TPH-d; 10.117/TOC

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: None	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B0258	10-13-95 13:40	02NEW1/90-91.5'	Soil	✓	SS Sleeve		02	02	01	01	01	02	02	02	01	~~02~~	Rinseate Blank 76B0917
76B0263	10-13-95 16:15	02NEW1/130-131.5'		✓	SS Sleeve		02	02	01	01	01	02	02	02	01	01	Rinseate Blank 76B0919

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
[signature]	FED-EX	10-18-95	15:11	Ship to Lab	- Sufficient Sample Sent for MS/MSD
	[signature]	10/19/95	0930	ANALYSES	

Method of Shipment: FedEx
Airbill No.: 6715057112
Total No. of Coolers Shipped: 1

! forms/cocrecor.doc

CLEAN II

9113

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A - CREW 1
Field Logbook/Page Number: 076-SS-002 / p.4, 34
Date: 10-18-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required / Preservation / Container Nos. (2 digit)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP (HCl)	(5.125) 8010/8020 (HCl)	(5.137) SVOC (NONE)	(5.128) PAH-SIM (NONE)	(5.57) TPH DIESEL (NONE)	(3.1) PEST/PCB (NONE)	(3.8) HERBICIDE (NONE)	(4.1) CLP METALS (NONE)	(5.55) TPH GAS (HCl)	(X)	Remarks (e.g., MS, MSD)
76B0939	10-18-95 05:30	02 NEW 7	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at LAB.
16B0932	10-16-95 N/A	ER FACILITY	↓	↓	40ML VOA	01 02	03 04	/	/	/	/	/	/	/	/	*

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-18-95	15:11	Ship to Lab
	[signature]	10/19/95	0830	ANALYSIS

Comments/Instructions: Equipment Rinsates
* TRIP BLANKS

Method of Shipment: FED-EX
Airbill No.: 6715057112
Total No. of Coolers Shipped: 1

! forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9123

Site Name: MCAS EL TORO	Sampler's Name(s): Curtis Obi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: INCHSCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DRIVE, COLCHASTER VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76C-001/pi-2
Date: 10-19-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required: HCL Acid VOC CLP (5.136); 8010/8020 (5.125); SVOCs (10.137); PAHs (10.128); PESTICIDES (8.1); Herbicide (8.8); Metals (9.1); TPHg (10.55); TPHd (10.57); VOCs (10.136); 8010/8020 (10.125)

Preservation: HCL Acid; HCL; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	HCL Acid	HCL	4°C									Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)											
76C000 1	10/18/95 12:00	03LYS3 (TRIP BLANK)	WATER		40 ML VOA	01 02	03 04										TRIP BLANK
76C000 2	10/18/95 15:30	03LYS3 (87-88.3)	SBS		SST6TC			01	01	01	02	02	02	01	02	02	

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FED EX	10-20-95	15:30	Ship to Lab
	[signature]	10/21/95	1015	ANALYSIS

Comments/Instructions:
- Sufficient sample sent for MS/MSD (Soil)
- Rinseate Blank for soil — 76C0938

Method of Shipment: FEDEX OVERNIGHT

Airbill No.: 6715057090

Total No. of Coolers Shipped: 2

forms/coctecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9115

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Den Park	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-002/005, 036, 06, 037
Date: 10-19-95

Pay Items/Analyses Required

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PCB/T/PCB	(3.8) HERBICIDES	(4.1) CLP METALS	(5.55) TPH GAS		Remarks (e.g., MS, MSD)
					Preservation	HCl	HCl	NONE	NONE	NONE	NONE	NONE	NONE	HCl	X	
					Container Nos. (2 digit)											
76E0900	10-19-95 16:30	05 LTS 3	DIW	YES	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at LAB
76B0947	10-20-95 8:00	02NEW7	↓	↓	40MLVOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
Den Park	FED-EX	10-20-95	15:30	Ship to Lab
	[illegible]	10/21/95	1015	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715057090

Total No. of Coolers Shipped: 2

forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax 802-655-1248

December 8, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 54651; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on October 26, 27, 28, 31, November 2, 3 and 4, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on October 26, 1995 ETR No. 54651		
76B002401	275681	Water
76B002402	275682	Water
76B002403	275683	Water
76B002404	275684	Water
76B002501	275685	Soil
76B002502	275686	Soil
76B002502	275686R1	Soil
76B002701	275687	Soil
76B002702	275688	Soil
76B002702	275688R1	Soil
76C090101	275689	Water
76C090102	275690	Water
76C090103	275691	Water
76C090104	275692	Water
76C090105	275693	Water
76C090106	275694	Water
76C090107	275695	Water
76C090107	275695D1	Water
76C090108	275696	Water
76C090109	275697	Water
76C090110	275698	Water
76C090111	275699	Water
76C090112	275700	Water
76C090113	275701	Water
76C090114	275702	Water
76C090115	275703	Water
76C090116	275704	Water
76C090117	275705	Water
76C090117	275706	Filtrate

8931

000003

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A Dino's Crew 1
Field Logbook/Page Number: 076-SS-002/007, 039
Date: 10-24-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE					HCl	X	
Container Nos. (2 digit)															
76C0901	10-24-95 09:15	03 LYS 1	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO_3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-24-95	15:00	Ship to Lab
	[illegible]	10/20/95	0930	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715057123

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

8933

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): William McConville	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): William McConville	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76B-001/29,31
Date: 10-24-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	10.136/Low VOCs	10.125/8010/8020	10.137/5 VOCs	10.128/PAH	8.1/Pest-PCB	8.1/Herb	9.1/Metals	10.55/TPH-g	10.57/TPH-d	10.117/Total Petr. Cond.	Remarks (e.g., MS, MSD)
Preservation						None										
						Container Nos. (2 digit)										
76B0025	10-19-95 10:00	02NEW7/30.5-31.5'	Soil	No	SS Sleeve	02	02	01	01	01	02	02	02	01	~~01~~ 01	
76B0027	10-19-95 15:51	02NEW7/115.5'-116.5'	↓	↓	SS Sleeve	02	02	01	01	01	02	02	02	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Terry	FED-EX	10-24-95	15:00	Ship to Lab
		10/26/95	0930	ANALYSIS

Comments/Instructions:
- Sufficient Sample Sent for MS/MSD
- Corresponding Rinseate Blank - 76B0939

Method of Shipment: Fed Ex
Airbill No.: 6715057123
Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8930

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Dennis Parker	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr. Colchester, VT. 05446
Field QC Package Number: N/A Richard's Crew 2
Field Logbook/Page Number: 076-SS-002/002, 038, SS-76B-001/28
Date: 10-24-95

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(2.8) HERBICIDES	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						Preservation									
						HCl	HCl	NONE					HCl	X	
						Container Nos. (2 digit)									
76E0901	10-24-95 09:30	05 NEW 1	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20 /	
↓	↓	↓	↓	↓	AG 1 L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at LAB
76B0024	10-18-95 09:00	02NBW7	↓	↓	40ML VOA	02 03	01 02	/	/	/	/	/	/	/	/	Trip Blank

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	FED-EX	10-24-95	15:00	Ship to Lab
		10/26/95	0930	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715057123

Total No. of Coolers Shipped: 2

t:/forms/cocrecor.doc

8934

CLEAN II

CHAIN-OF-CUSTODY RECORD

000006

Site Name: MCAS EL TORO	Sampler's Name(s): Maynard Geisler	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Maynard Geisler	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A CREN1/ DINO
Field Logbook/Page Number: 076-SS-002 / 008, 040
Date: 10-25-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: (5.136) VOC CLP; (5.125) 8010/8020; (5.137) SVOC; (5.128) PAH-SIM; (5.57) TPH DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (4.1) CLP METALS; (5.55) TPH GAS

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: HCl	HCl	NONE	→					HCl	X	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
X 76C0902	10-25-95 07:30	03 LYS 1	DIW	YES	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG 1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB.

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Levy	FED-EX	10-25-95	13:30	Ship to Lab	Equipment Rinsates
	[illegible]	10/26/95	0930	ANALYSES	

Method of Shipment: FED-EX
Airbill No.: 6715057145
Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8928

000007

Site Name: OS MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis M. Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT
Field QC Package Number: NA
Field Logbook/Page Number: SB-76E-001; SS-76E-001/0001, 0003
Date: 10/23/95

Pay Items/Analyses Required: VOCs (10.136), 8010/8020 (10.125), SVOCs (10.137), PAHs (10.128), Pest/PCBs (8.1), Herbs (8.3), Metals (9.1), TPH-9 (10.55), TPH-d (10.57), VOC CLP (5.136), 8010/8020 (5.125)

QC Level: C D E

TAT (in days): 2 7 14 30

Preservation: 4°C → 4°C HCL

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (10.136)	8010/8020 (10.125)	SVOCs (10.137)	PAHs (10.128)	Pest/PCBs (8.1)	Herbs (8.3)	Metals (9.1)	TPH-9 (10.55)	TPH-d (10.57)	VOC CLP (5.136) 8010/8020 (5.125)	Remarks (e.g., MS, MSD)
76E0003	10/22/95 14:55	05LYS3/88.5-89.5	SBS	X	SST6TC	02	02	01	01	01	02	02	02	01	/	
76E0001	10/29/95 17:00	05LYS3	WATER	X	40MLVOA	/	/	/	/	/	/	/	/	/	01 02 02 04	Trip Blank

Container Nos. (2 digit)

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-25-95	13:30	Ship to Lab
	[illegible]	10/26/95	0930	ANALYSIS

Comments/Instructions:
Equip. Blank 76E0900
Source Blank 76B0905
Sufficient sample has been provided for MS/MSD (soil)

Method of Shipment: FED-EX
Airbill No.: 6715057145
Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8929

000008

Site Name: 05 MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis M. Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT
Field QC Package Number: NA
Field Logbook/Page Number: SB-76E-001; SS-76E-001/003
Date: 10/23/95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	TOC (10.117)	Preservation: 4°C	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76E0003	10/23/95 14:55	05LYS3/88.5-89.5'	SBS	X	SSTGTC	02												

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-25-95	13:30	Ship to Lab
		10/26/95	0930	ANALYSIS

Comments/Instructions:
Equip. Blank 76E0900
Source Blank 76B0905

Method of Shipment: FED-EX
Airbill No.: 6715057145
Total No. of Coolers Shipped: 1

I:/forms/cocrecor.doc

CLEAN II

7644

000000

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis M. Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT
Field QC Package Number: NA
Field Logbook/Page Number: SB-76C-002
Date: 10-25-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOCs (10.136), 8010/8020 (10.125), SVOCs (10.137), PAHs (10.128), BstPCBs (8.1), Herbs (8.8), Metals (9.1), TPH-g (10.55), TPH-d (10.57), VOC CLP (5.136), 8010/8020 (5.125)

Preservation: 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs (10.136)	8010/8020 (10.125)	SVOCs (10.137)	PAHs (10.128)	BstPCBs (8.1)	Herbs (8.8)	Metals (9.1)	TPH-g (10.55)	TPH-d (10.57)	VOC CLP (5.136) 8010/8020 (5.125)	Remarks (e.g., MS, MSD)
X 76C0005	10-25-95 1015	03LYS1/85.7-87.0'	SBS	/	SST6TC	02	02	01	01	01	02	02	02	01	/	
X 76C0003	10-24-95 1100	03LYS1	WATER	/	40MLVOA	/	/	/	/	/	/	/	/	/	01 03 02 04	Trip Blank

Relinquished By	Received By	Date	Time	Reason for Transfer
John Leary	Fed Ex	10-26-95	15:00	Ship to Lab
	Maureen Leary	10-27-95	1130	

Comments/Instructions:
Sufficient sample has been provided for MS/MSD.
Trip Blank 76C0003
Equip. Blank 76C0902
Source Blank 76B0905

Method of Shipment: FED-EX

Airbill No.: 671505 7134

Total No. of Coolers Shipped: 2

I:\forms\cocrecor.doc

CLEAN II

8939

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Will McCamila
Sampler's Signature(s): William F. McCamila

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW 2/Richard
Field Logbook/Page Number: 076-SS-002/009, 042
Date: 10-26-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(555) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE						HCl	X	
Container Nos. (2 digit)															
76E0902	10-26-95 09:15	05 NEW 1	DIW	YES	40ML. VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG 1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-26-95	15:00	Ship to Lab
	Maurice [illegible]	10-27-95	1130	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715057134

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.c

CLEAN II

8940

CHAIN-OF-CUSTODY RECORD

000011

Site Name: MCAS EL TORO	Sampler's Name(s): Curtis M. Oh	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DRIVE, Colchester VT. 05446
Field QC Package Number: N/A CREW 1/DINO
Field Logbook/Page Number: 076-SS-002/009, 0421 JDL 10-26-95
Date: 10-26-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→				HCl		
Container Nos. (2 digit)															
76Q0900	10 26 95 10:30	17 LYS 1	DIW	NO	40 ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG 1 L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
					P 1 L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	FED-EX	10-26-95	15:00	Ship to Lab
	Maureen [signature]	10/27/95	1130	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 671505734 Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

8941

000012

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076
Sampler's Name(s): SHEILA SODERBERG
Sampler's Signature(s): Sheila Soderberg
Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Service
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW 2/Richard
Field Logbook/Page Number: 076-SS-002/010, 043
Date: 10-27-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.146) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.52) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.D) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						HCl	HCl	NONE					HCl	X	
						Preservation									
						Container Nos. (2 digit)									
76E0903	10-27-95 08:00	05 NEW 1	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
					P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-27-95	15:30	Ship to Lab
			JDL 10-27-95	
	Laurence	10/28/95	1130	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056670

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

8943

000013

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis M. Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A CREW 1 / Dino
Field Logbook/Page Number: 076-SS-002/010, 044
Date: 10-27-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM TPH DIESEL	(5.57) PEST/PCB	(3.1) HERBICIDE	(3.8) CLP METALS	(4.1) TPH GAS	(5.55)	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE					HCl	X	
Container Nos. (2 digit)															
76Q0901	10-27-95 07:45	17 LYS 1	DIW	YES	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB
X 76B0934	10-27-95 14:30	ER FACILITY	↓	NO	40ML VOA'S	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANKS

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-27-95	14:30	Ship to Lab
	Maureen [illegible]	10/28/95	1130	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056670

Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9125

000014

Site Name: MCAS El Toro	Sampler's Name(s): Curtis M. Oli	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Curtis Oli	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT
Field QC Package Number: NA
Field Logbook/Page Number: SB-76Q-001 SS-76Q-001
Date: 10/30/95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC CLP (5.136) 8010/8020 (5.125)	VOCs (10.136)	8010/8020 (10.125)	SVOCs (10.137)	PAHs (10.129)	Pest/PCB (8.1)	Herbs (8.8)	Metals (9.1)	TPH-g (10.55)	TPH-d (10.57)	Remarks (e.g., MS, MSD)
						Preservation										
						4°C HCl	4°C									
						Container Nos. (2 digit)										
76Q0001	10-26-95 11:00	17LYS1/Trip Blank	WATER	✓	40MLVOA	01 03 02 04	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
76Q0002	10-27-95 10:45	17LYS1/87.0-88.1'	SBS	✓	SST6TC	✓	02	02	01	01	01	02	02	02	01	—

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	10-30-95	15:00	Ship to Lab
	[illegible]	10/31/95	0930	ANALYSIS

Comments/Instructions:
Trip Blank 76Q0001
Equip Blank 76Q0901
Source Blank 76B0905

Sufficient sample has been provided for MS/MSD.

Method of Shipment: FED-EX
Airbill No.: 6715056633
Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

8946

000015

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Maynard Geiler
Sampler's Signature(s): Maynard Geiler

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr. Colchester, VT 05446
Field QC Package Number: N/A CREW 2 / Richard
Field Logbook/Page Number: 076-SS-002/011, 046
Date: 10-30-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→	→	→	→	HCl	X	
76B0948	10-30-95 11:00	02 NEW 11	DIW	YES	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20 /	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Terry	FED-EX	10-30-95	15:00	Ship to Lab
	[illegible]	10/31/95	0930	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056633

Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8952

000016

Site Name: MCAS EL TORO
CTO Number: 076
Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]
Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT. 05446
Field QC Package Number: N/A CREW 1 / Dino
Field Logbook/Page Number: 076-SS-002/013, 048
Date: 11-1-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE					HCl		
						Container Nos. (2 digit)									
X 76Q903	11-1-95 11.00	17 LYS 3	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/ Please filter and add HNO3 at LAB.

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-1-95	15:00	Ship to Lab
	[signature]	11/2/95	1000	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056644

Total No. of Coolers Shipped: 2

Forms/cocrecor.doc

8950

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A Crew 2 / Richard
Field Logbook/Page Number: 076-SS-002/012, 047
Date: 10-31-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→	→	→	→	HCl		
Container Nos. (2 digit)															
76Q902	10 31 95 04:00	17 NEW 1	DIW	NO	40ML VOA	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20 /	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at LAB
76E000+	10 25-95	ER TRAILER	↓	↓	40ML VOA	01 02	03 04	/	/	/	/	/	/	/	/	Trip Blanks

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Ferry	FED-EX	11-1-95	15:00	Ship to Lab	Equipment Rinsates
	[signature]	11/2/95	1000	ANALYSIS	

Method of Shipment: FED-EX

Airbill No.: 6715056644 Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

0000017

CLEAN II

8948

CHAIN-OF-CUSTODY RECORD

000018

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Dennis Parker 10-31	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76E-001
Date: 10-31-95

Per Items/Analyses Required

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	10.136/CLP VOCs	10.125/8010/8020	10.137/DRAFT 8270	10.128/PAH	8.1/Pest-PCBs	8.8/Herbicides	9.1/Metals	10.55/TPH-g	10.57/TPH-d	10.117/TOC	Remarks (e.g., MS, MSD)
Preservation						Cool 4°C None										
Container Nos. (2 digit)																
X 76R0009	10-27-95 12:50	05NRW1/190.5-191.5'	SBS	No	SSTGTC	02	02	01	01	01	02	02	02	01	01	Rinsate Blank 76R0903

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Levy	FED-EX	11-1-95	15:00	Ship to Lab	- Sufficient Sample Sent for MS/MSD
	[illegible]	11/2/95	1000	ANALYSIS	- Trip Blank - 76R0004
					Method of Shipment: FED EX
					Airbill No.: 6715056644 — Total No. of Coolers Shipped: 2

1:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8995

000019

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): Dennis Parker

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Service
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A CREW 2 / Richard
Field Logbook/Page Number: 076-SS-002/014, 050
Date: 11-2-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(6.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.6) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→				HCl		
Container Nos. (2 digit)															
76Q0904	11-2-95 08:00	17 NEW 1	DIW	YES	GVOC 40MLT ~~1L~~ 10 11-2-95	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	Equipment Rinsate
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
					P1L	/	/	/	/	/	/	/	17	/	/	please filter and add HNO_3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-2-95	15:00	Ship to Lab
	[illegible]	11/3/95	0930	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715056655

Total No. of Coolers Shipped: 1

I:\forms\cocrecor.doc

8998

000020

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: McAS El Toro
CTO Number: 076
Sampler's Name(s): Curtis M. Obi
Sampler's Signature(s): Curtis Obi
Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: MW-76B-008 SS-76B-002
Date:

Pay Items/Analyses Required: TOC (10.117)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B0272	10-31-95 1550	02NEW11/66-68'	SBS	/	SST6IN		01	/	/	/	/	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	FED-EX	11-2-95	15:00	Ship to Lab
	[illegible]	11/3/95	0930	

Comments/Instructions:
Trip Blank 76B0267
Equip Blank 76B0948
Source Blank 76B0905
Sufficient sample has been provided for MS/MSD

Method of Shipment: FED-EX
Airbill No.: 6715056655
Total No. of Coolers Shipped: 1

Uforms/cocrecor doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8996

000021

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: MW-76B-008 S3-76B-002
Date: 11-2-95

Pay Items/Analyses Required: VOC CLP (5.136), 8010/8020 (5.125), VOCs (10.136), 8010/8020 (10.125), SVOC (10.137), PAHs (10.128), Pest/PCBs (8.1), Herbs (8.8), Metals (9.1), TPH-g (10.55), TPH-d (10.57)

QC Level: C D E

TAT (in days): 2 7 14 30

Preservation: 4°C, HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C, HCl	4°C									Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B0267	10-30-95 1430	02NEW11 / TPB	DIW ~~WATER~~ JAL 11-2-95	✓	GVC40MLT ~~40MLVOA~~	01	✓	✓	✓	✓	✓	✓	✓	✓	✓	
76B0268	10-31-95 0835	02NEW11/10-11.5'	SBS	✓	SSTGIN	✓	02	02	01	01	01	02	02	02	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
[signature]	FED-EX	11-2-95	15:00	Ship to Lab
	[signature]	11/3/95	0930	

Comments/Instructions:
Trip Blank 76B0267
Equip Blank 76B0948
Source Blank 76B0905

Sufficient sample has been provided for MS/MSD.

Method of Shipment: FED-EX
Airbill No.: 6715056655
Total No. of Coolers Shipped: 1

t:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8999

000022

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): John Levy
Sampler's Signature(s): John Levy

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 SOUTH PARK DRIVE, COLCHESTER, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76C-001/006,007 SS-76E-001/010,011
Date: 11-3-95

Pay Items/Analyses Required: TOC (10.117)

Preservation: 4°C

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
X 76C0006	10-18-95 13:10	03 LYS 3	SB	NO	SST6IN	03	20-21.5'
X 76C0007	10-18-95 15:00	↓	↓	↓	↓	03	83.5-85'
X 76E0010	10-26-95 13:20	05 LYS 3	↓	↓	↓	03	40-41.5'
X 76E0011	10-26-95 13:50	↓	↓	↓	↓	03	70-71.5'

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-3-95	15:00	Ship to Lab
	Maureen [illegible]	11/4/95	10:30	

Comments/Instructions:

Method of Shipment: FED-EX

Airbill No.: 6715056666

Total No. of Coolers Shipped: 1

f:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9000

000023

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A CREW 2 / Richard
Field Logbook/Page Number: 076-SS-003/002, 026
Date: 11-3-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required / Preservation / Container Nos. (2 digit)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.129) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
					Preservation	HCl	HCl	NONE	→	→	→	→	→	HCl	
76Q0105	11-3-95 07:45	17 NEW 1	DIW	NO	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO_3 at LAB.
76B0135	11-3-95 —	ER TRAILER	↓	↓	GVC40MLT	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANKS

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	FED-EX	11-3-95	15:00	Ship to Lab
	[signature]	11/4/95	1030	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056666

Total No. of Coolers Shipped: 1

f:\forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

January 4, 1996

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076; SDG No. 54943; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 8, 9, 14, 15, 17, 18 and 22, 1995. Laboratory numbers were assigned and [illegible] designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November [illegible] 19[illegible] ETR No. 54943		
76Q000501	277403	Water
76Q000502	277404	Water
76Q000503	277405	Water
76Q000504	277406	Water
76Q000701	277407	Soil
76Q000702	277408	Soil
76Q000702	277408MS	Soil
76Q000702	277408DP	Soil
76Q0906	277409	Water
LCSS	277411	Solid
76Q090701	277723	Water
76Q090702	277724	Water
76Q090703	277725	Water
76Q090704	277726	Water
76Q090705	277727	Water
76Q090706	277728	Water
76Q090707	277729	Water
76Q090707	277729R1	Water
76Q090708	277730	Water
76Q090709	277731	Water
76Q090710	277732	Water
76Q090711	277733	Water
76Q090712	277734	Water
76Q090713	277735	Water
76Q090714	277736	Water
76Q090715	277737	Water
76Q090716	277738	Water
76Q090717	277739	Water

9073

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): Dennis Parker

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DR., Colchester, VT 05446
Field QC Package Number: N/A Crew 2/Richard
Field Logbook/Page Number: 076-SS-003/003, 029
Date: 11-6-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE					HCl		
Container Nos. (2 digit)															
76Q0907	11-6-95 07:45	17 NEW 1	BW	YES	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Lewy	FED-EX	11-7-95	15:00	Ship to Lab
	Maureen R.	11/8/95	0930	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056736

Total No. of Coolers Shipped: 2

1:/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9072

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT 05446
Field QC Package Number: N/A Dino/Crew 1
Field Logbook/Page Number: 076-SS-003/002, 028
Date: 11-3-95

QC Level: C (B) E

TAT (in days): 2 7 14 (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→				HCl	X	
Container Nos. (2 digit)															
76Q0906	11-3-95 13:30	17 LYS 2	DIW	YES	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20 /	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO3 at LAB.

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FEDEX	11-7-95	15:00	Ship to Lab
	Maureen [signature]	11/9/95	0930	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056736

Total No. of Coolers Shipped: 2

1 forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9130

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: SB-76Q-002 SS-76Q-001/5,7
Date: 11-3-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC cap (5.136) 8010/8020 (5.125); SVOC (10.127); PAH (10.128); Pest/PCB (8.1); TPH-d (10.57); TPH-g (10.55); VOC (10.136); 8010/8020 (10.125); Herbs (8.2); Metals (9.1); TOC (10.117)

Preservation: 4°C, HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C, HCl	4°C									Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76Q 0005	11-2-95 12:30	17LYS3 / TPB	DIW	/	GVC40MLT	01 03 02 04	/	/	/	/	/	/	/	/	/	
76Q 0007	11-2-95 15:50	17LYS3 / 85.5-86.5	SB	/	SST61N	/	01	01	01	01 02	02	02	02	02	02	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-7-95	15:00	Ship to Lab
	Maureen [illegible]	11/8/95	0930	

Comments/Instructions:
Trip Blank 76Q0005
Equip Blank 76Q0903
Source Blank 76B0905
Sufficient sample has been provided for MS/MSD

Method of Shipment: FED-EX
Airbill No.: 6715056736
Total No. of Coolers Shipped: 2

1 forms.cocrecord

9078

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): Curtis Obi

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: SB-76Q-001 SS-76Q-001
Date: 11-7-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC CLP (5.136) 8010/8020 (5.125); SVOC (10.137); PAH (10.128); Pest/PCB (8.1); TPH-d (10.57); TPH-g (10.55); VOC (10.136); 8010/8020 (10.125); Herbs (8.8); Metals (9.1)

Preservation: 4°C, HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C, HCl	4°C	VOC CLP (5.136)	SVOC (10.137)	PAH (10.128)	Pest/PCB (8.1)	TPH-d (10.57)	TPH-g (10.55)	VOC (10.136)	8010/8020 (10.125)	Herbs (8.8)	Metals (9.1)	Remarks (e.g., MS, MSD)
76Q 0018	11-6-95 0730	17LYS2	BW	/	GVC40MLT	01 03 02 04	/	/	/	/	/	/	/	/	/	/	/	Trip Blank
76Q 0019	11-6-95 16:50	17LYS2	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02			L= 97.0 – 98.1' (D= 84.4-85.3)

Container Nos. (2 digit)

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-8-95	14:43	Ship to Lab
	[illegible]	11/9/95	0930	ANALYSES

Comments/Instructions:
Trip Blank 76Q0018
Equip Blank 76Q0906
Source Blank 76B0905
Sufficient sample has been provided for MS/MSD.

Method of Shipment: FED-EX
Airbill No.: 6715056784
Total No. of Coolers Shipped: 1

f:\forms\cocrecor.doc

9082

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Sheila Soderberg
Sampler's Signature(s): Sheila Soderberg

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76Q-001/9,12
Date: 11-8-95

QC Level: C | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required: 10.136/CLP VOCs; 10.125/8010/8020; 10.137/5 VOC; 10.129/PAH; 8.1/Pest-PCB; 8.9/Herbicides; 9.1/Metals; 10.55/TPH-g; 10.53/TPH-d; 10.117/TOC

Preservation: None

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	10.136	10.125	10.137	10.129	8.1	8.9	9.1	10.55	10.53	10.117	Remarks (e.g., MS, MSD)
76Q0009	11-2-95 9:45	17NEW1/90.5-91.5'	SB	X	SST6IN	02	02	01	01	01	02	02	02	01	01	Rinseate No. - 76Q0904
76Q0012	11-6-95 12:10	17NEW1/220.5-221.5'	SB	X	SST6IN	02	02	01	01	01	02	02	02	01	01	Rinseate No. - 76Q0907

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-8-95	14:43	Ship to Lab
		11/9/95	0930	ANALYSIS

Comments/Instructions:
- Sufficient Sample Sent for MS/MSD
- Trip Blank No. 76Q0018

Method of Shipment: FED EX
Airbill No.: 6715056784
Total No. of Coolers Shipped: 1

f:\forms\cocrecor.doc

9080

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DRIVE, Colchester VT 05446
Field QC Package Number: N/A Crew 1 / Dino
Field Logbook/Page Number: 076-SS-003 / 004, 030
Date: 11-7-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	VOL 11-10-95 Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.138) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
						HCl	HCl	NONE	Preservation →				HCl		
						Container Nos. (2 digit)									
76C0903	11-7-95 15:30	03 LYS 2	BW	~~YES~~ NO	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20 /	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Levy	FED-EX	11-13-95	14:15	Ship to Lab	Please analyze these samples, do not archive Equipment Rinsates
	[signature]	11/16/95	1000		
					Method of Shipment: FED-EX
					Airbill No.: 6715056773 Total No. of Coolers Shipped: 1

1 forms/cocrecor

9002

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: SB-76C-002 SS-76C-001/0010 0011
Date: 11-9-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC CLP (5.136) 8010/8021 (5.135); SVOC (10.137); PAH (10.128); Rest/RCB (8.1); TPH-d (10.57); TPH-g (10.55); VOC (10.136); 8010/8020 (10.125); Herbs (8.8); Metals (9.1)

Preservation: HCl; 4°C; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	HCl	4°C	4°C								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76C0010	11-8-95 0800	03LYS2	BW	/	5VC40MLT	01 03 02 04	/	/	/	/	/	/	/	/	/	Trip Blank
76C0011	11-8-95 1600	03LYS2	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	85.3-87.0' depth

Relinquished By	Received By	Date	Time	Reason for Transfer
John Ferry	FED-EX	11-13-95	14:15	Ship to Lab
	Maureen [illegible]	11/14/95	1000	

Comments/Instructions:
Trip Blank 76C0010
Equip Blank 76C0903
Source Blank 76B0905
Sufficient sample has been provided for MS/MSD

Method of Shipment: FED-EX
Airbill No.: 6715056773
Total No. of Coolers Shipped: 1

f:\forms\cocrecor

CLEAN II

9063

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): C. Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr. Colchester, VT 05446
Field QC Package Number: N/A CREW 1 / DINO
Field Logbook/Page Number: 076-SS-003/009, 032
Date: 11-13-95

QC Level: D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.135) 8010/8020	(5.137) SVOC	(5.138) PAH SIM	(5.57) TPH DRO/GRO	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GRO	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→	→	→	→	HCl	X	
Container Nos. (2 digit)															
76E0905	11-10-95 14:00	05 LYS 2	BW	NO	GVC 40 ML T	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/ Please Filter and add HNO3 at LAB.

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-14-95	13:00	Ship to Lab
	[signature]	11/15/95	1000	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056762

Total No. of Coolers Shipped: 1

I:\forms\cocrecor.doc

9249

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obl
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyon

Analytical Laboratory Name: ~~Columbia~~ Inchcape Testing Services
Analytical Laboratory Address: ~~ER Facility~~ 55 S. Park Dr, Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: SB-76E-001/000025 SS-76E-001
Date: 11-13-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC SLP (6.136) Gas/GC/MS (6.125); SVOC (10.137); PAH (10.128); Pest/PCB (8.1); TPH-d (10.57); TPH-g (10.55); VOC (10.136); Gas/GC/MS (10.125); Herbs (8.8); Metals (9.1)

Preservation: 4°C, HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC SLP (6.136) Gas/GC/MS (6.125)	SVOC (10.137)	PAH (10.128)	Pest/PCB (8.1)	TPH-d (10.57)	TPH-g (10.55)	VOC (10.136)	Gas/GC/MS (10.125)	Herbs (8.8)	Metals (9.1)	Remarks (e.g., MS, MSD)
76E0014	11-9-95 14:00	05LYS2	~~SB~~ BW	✓	GVC40MLT	01 03 02 04	✓	✓	✓	✓	✓	✓	✓	✓	✓	Trip Blank
76E0015	11-13-95 1030	05LYS2	SB	✓	SST6IN	✓	01	01	01	01	✓	✓	✓	✓	✓	85.3 - 86.1'
76E0016	11-13-95 1045	05LYS2	SB	✓	SST6IN	✓	✓	✓	✓	✓	01	01	01	01	01	86.1 - 86.6'

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-14-95	13:00	Ship to Lab
	[signature]	11/15/95	1000	ANALYSES

Comments/Instructions: VDL 11-14-95
Trip Blank 76E0014
Equip Blank 76E0904, 5
Source Blank 76B0905
Sufficient sample has been provided for MS/MSD

Method of Shipment: FED-EX
Airbill No.: 6715056762
Total No. of Coolers Shipped: 1

f:/forms/cocrecor.dn

9720

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis O.S.
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A Crew 1 / Dino
Field Logbook/Page Number: 076-SS-003 / 039, 011
Date: 11-15-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: (5.186) VOC CLP; (5.125) 8010/8020; (5.137) SVOC; (5.128) PAH-SIM; TPH; (5.57) DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (4.1) CLP METALS; (5.55) TPH GRS

Preservation: HCl | HCl | NONE | → | HCl

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
076ED908 (VOC 11-15-95)	11-15-95 09:30	05 LYS 1	BW	YES	GVC 40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG 1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please filter and add HNO_3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-16-95	14:00	Ship to Lab
	[signature]	11/17/95	0930	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 6715056751

Total No. of Coolers Shipped: 2

I:/forms/cocrecor.doc

CLEAN II

9252

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: SB-76E-002 SS-76E-001
Date: 11-15-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VPC CLP (5.136) 8010/8020 (5.125); SVOC (10.137); PAH (10.128); Pest/PCB (8.1); TPH-d (10.57); TPH-g (10.55); VOC (10.136); 8010/8020 (10.125); Herbs (8.8); Metals (9.1)

Preservation: 4°C HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C HCl	4°C									Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76E0018	11-14-95 09:30	OSLYS1	BW	✓	GVC40MLT	01 03 02 04	✓	✓	✓	✓	✓	✓	✓	✓	✓	Trip Blank
76E0020	11-15-95 10:40	OSLYS1	SB	✓	SSTGIN	✓	01	01	01	01	02	02	02	02	02	85.7-87.0'

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-16-95	14:00	Ship to Lab
	[signature]	11/17/95	0930	ANALYSES

Comments/Instructions:
Trip Blank 76E0018
Rinsate Blank 76E0908
Source Blank 76B0905

Sufficient sample has been provided for MS/MSD.

Method of Shipment: FED-EX
Airbill No.: 6715056751
Total No. of Coolers Shipped: 2

f:/forms/cocrecor.doc

SOURCE

9716

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): JOHN LEVY
Sampler's Signature(s): John Levy

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-003/037
Date: 11-15-95

QC Level: B D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: (5.125) 8010/8020; (5.59) TPH DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (5.55) TPH GAS; (5.94) TSS; (5.14) ALK; (5.71) NITRITE; (5.40, 5.46) TKN COD; (5.66) NITRATE; (5.93) TDS; (5.98) TURBIDITY

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: HCl	NONE	NONE	NONE	HCl	NONE	NONE	NONE	NONE	X	Remarks (e.g., MS, MSD)
						11-15-95 JOB	Container Nos. (2 digit)									
76B0925	11-15-95 11:30	ER TRAILER	BW	NO	GVC40MLT	04 05 06	11 12	13 14	15 16	18 19 20	/	/	/	/	/	
↓	↓	↓	↓	↓	AG1L	/	11 12	13 14	15 16	/	/	/	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	25	28	29	30	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-16-95	14:00	Ship to Lab
	[illegible]	11/17/95	0930	ANALYSIS

Comments/Instructions: ER TRAILER SOURCE BLANKS, USE ALONG WITH 73W1057

Method of Shipment: FED-EX

Airbill No.: 6715056751

Total No. of Coolers Shipped: 2

f:\forms\cocrecor.dr

CLEAN II

9036

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Sheila Soderberg
Sampler's Signature(s): Sheila Soderberg

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT. 05446
Field QC Package Number: N/A Crew 2 / Martin
Field Logbook/Page Number: 076-SS-003/012, 040
Date: 11-16-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: (5.136) VOC CLP; (5.125) 8010/8020; (5.137) SVOC; (5.128) PAH SIM TPH; (5.57) DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (4.1) CLP METALS; (5.55) TPH GAS

Preservation: HCl; HCl; NONE; HCl; X

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	HCl	HCl	NONE						HCl	X	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B0949	11-16-95 11:30	02 NEW 12	BW		GK 40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓		AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
					P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO_3 at LAB.

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-17-95	14:00	Ship to Lab
	Maureen L. Henry	11/19/95	1100	

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 7924260971

Total No. of Coolers Shipped: 2

f forms/cocrecor doc

9731

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester VT. 05446
Field QC Package Number: N/A CREW 1
Field Logbook/Page Number: 076-SS-003/013, 041
Date: 11-17-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: (5.136) VOC CLP; (5.125) 8010/8020; (5.137) SVOC; (5.128) PAH SIM; (5.57) TPH DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (4.1) CLP METALS; (5.55) TPH GAS

Preservation: HCl | HCl | NONE | → | HCl | X

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
76C3901	11-17-95 10:00	ER TRAILER	BW	NO	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO3 at LAB.
76B0936	11-17-95 13:30	ER TRAILER	↓	↓	GVC40MLT	01 02	03 04	/	/	/	/	/	/	/	/	TRIP BLANKS

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-17-95	14:00	Ship to Lab
	Maureen L. Kenny	11/18/95	1100	

Comments/Instructions: Sediment Sampling Rinsates

Method of Shipment: FED-EX

Airbill No.: 7924260971

Total No. of Coolers Shipped: 1

forms/cocrecor.doc

9765

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Charles R. Stoltz
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr, Colchester, VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 076-SS-003/014, 044
Date: 11-20-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) Nat/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE	→	→	→	→	HCl		
Container Nos. (2 digit)															
76BC0904 (ioc 11-20-95)	11-20-95 14:00	03SB1	BW	NO	6VC40MLT	01 02 03	04 05 06	✓	✓	✓	✓	✓	✓	18 19 20	✓
↓	↓	↓	↓	↓	AG1L	✓	✓	07 08	09 10	11 12	13 14	15 16	✓	✓	✓
↓	↓	↓	↓	↓	P1L	✓	✓	✓	✓	✓	✓	✓	17	✓	✓	Please Filter and add HNO3 at LAB

Relinquished By	Received By	Date	Time	Reason for Transfer
John Leary	FED-EX	11-21-95	15:00	Ship to Lab
	[signature]	11/22/95	1015	ANALYSES

Comments/Instructions: Equipment Rinsates / Surface Soil Sampling

Method of Shipment: FED-EX

Airbill No.: 7924260945

Total No. of Coolers Shipped: 2

I:/forms/cocrecor.doc

9734

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): William McCombie
Sampler's Signature(s): William A McCombie

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr, Colchester, VT. 05446
Field QC Package Number: N/A Crew 2
Field Logbook/Page Number: 076-SS-003/014, 043
Date: 11-20-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.126) VOC CLP	(5.125) 8010/8020	(5.127) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(4.1) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE					HCl	X	
Container Nos. (2 digit)															
760950	11-20-95 09:00	02 NEW 12	BW	YES	GVC40ML-T ~~40~~ JOA 11-20-95	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	Please Filter and add HNO_3 at Lab.

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-21-95	15:00	Ship to Lab
		11/22/95	1015	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 7924260945

Total No. of Coolers Shipped: 2

I:/forms/cocrecor.doc

9733

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: EL TORO MCAS
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): Dennis Parker

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: 55-76B-0021
Date: 11-21-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: 10.136/CLP VOCs; 10.125/4010/8020; 10.137/SVOC; 10.128/PAH; 8.1/Pest-PCB; 8.8/Herbicides; 9.1/Metals; 10.55/TPHg; 10.57/TPHd; 10.117/TOC

Preservation: None

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	10.136	10.125	10.137	10.128	8.1	8.8	9.1	10.55	10.57	10.117	Remarks (e.g., MS, MSD)
76B0277	11-17-95 10:22	02NBW12/215.5-216.5	SB	X	SSTGIN	02	02	01	01	01	02	02	02	01		Rinsate No. 76B0949
76B0279	11-20-95 15:35	02NBW12/250.5-251.5	SB	X	SSTGIN	02	02	01	01	01	02	02	02	01	01	Rinsate No. 76B0950

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-21-95	15:00	Ship to Lab
	[illegible]	11/22/95	105	ANALYSES

Comments/Instructions:
- Sufficient sample sent ~~of~~ DP 11-21 for MS/MSD
- Trip Blank No. - 76B005

Method of Shipment: FED EX

Airbill No.: 7924260945

Total No. of Coolers Shipped: 2

1/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9729

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inscape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: ~~SB-76B-002~~ 11-20 SE-76B-001
Date: 11-20-95 SE-76C-001

QC Level: C (S) D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC CLP (5.1.36) 8010/8020 (5.1.25); SVOC (10.1.37); PAH (10.1.28); Pest/PCB (8.1.1); TPH-d (10.1.57); TPH-g (10.1.55); VOC (10.1.36) 8010/8020 (10.1.25); Herbs (8.8); Metals (9.1)

Preservation: 4°C HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC CLP (5.1.36)	8010/8020 (5.1.25)	SVOC (10.1.37)	PAH (10.1.28)	Pest/PCB (8.1.1)	TPH-d (10.1.57)	TPH-g (10.1.55)	VOC (10.1.36)	8010/8020 (10.1.25)	Herbs (8.8)	Metals (9.1)	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)											
76B3001	11-17-95 1345	02SE01	SD		WG802-TL		01	01	01	01	02	02	02	02	02		
76B3002	11-17-95 1350	02SE02	SD		WG802-TL		01	01	01	01	02	02	02	02	02		
76C3001	11-17-95 1430	03SE01	SD		WG802-TL		01	01	01	01	02	02	02	02	02		
76C3002	11-17-95 1500	03SE02	SD		WG802-TL		01	01	01	01	02	02	02	02	02		
76C3003	11-17-95 1515	03SE03	SD		WG802-TL		01 02	01 02	01 02	01 02	03 04	03 04	03 04	03 04	03 04		double volume for MS/MSD
76C3004	11-17-95 1530	03SE04	SD		WG802-TL		01	01	01	01	02	02	02	02	02		
76C3005	11-17-95 1200	ER FACILITY	BW		GVC40MLT	01 02 (VOC CLP)	03 04 (8010/8020)										TRIP BLANK

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-21-95	15:00	Ship to Lab
	[signature]	11/22/95	1015	ANALYSIS

Comments/Instructions:
Trip Blank 76C3005
Rinsate Blank 76C3901
Source Blank 73W1057
76B0925

Sufficient sample has been provided for MS/MSD.

Method of Shipment: FED-EX
Airbill No.: 7924260945
Total No. of Coolers Shipped: 2

forms/cocrecord

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax 802-655-1248

December 21, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076SOIL; SDG No. 55001; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55001		
76B900101	277756	Liquid
76B900103	277984	Liquid
76B900104	277758	Liquid
76B900201	277759	Liquid
76B900202	277760	Liquid
76B900203	277761	Liquid
76B900204	277762	Liquid
76Q600101	277763	Soil
76Q600201	277764	Soil
76Q600301	277765	Soil
76Q600401	277766	Soil
76Q600501	277767	Soil
76Q600601	277768	Soil
76Q600701	277769	Soil
76Q600801	277770	Soil
76Q600901	277771	Soil
76Q600901	277771D1	Soil
76Q601001	277772	Soil
76Q601101	277773	Soil
76Q601201	277774	Soil
76Q601301	277775	Soil
76Q601401	277776	Soil
76Q601501	277977	Soil
76Q601601	277978	Soil
76Q601602	277979MS	Soil
76Q601602	277979MD	Soil
76Q601602	277979DP	Soil
76Q601701	277780	Soil
LCSS	277781	Solid

CLEAN II

9054

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2 MCAS El Toro
CTO Number: 2221d-076

Sampler's Name(s): R. Woodward
Sampler's Signature(s): [signature]

Site Contact/Supervisor: R Woodward

Analytical Laboratory Name: Inchcape
Analytical Laboratory Address: 95 So Park Drive, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76 B-001
Date: ~~BS-76B-001~~ MTA 16 Nov 1995

Pay Items/Analyses Required: RCRA 8.1, SVOCs 10.3, Metals 9.2

QC Level: C (R) E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation <4°C>	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
7689001	7:30		LQ		01/02 1-L Amber 04 1-L Poly		01	02	04	
~~7689001~~ 7689002	MTA 4			X			03	03		Spare
7689002	"						01	02	04	
7689002	"						03	03		

Relinquished By	Received By	Date	Time	Reason for Transfer
M. Tagnitz-Abbas	FED EXP	16 NOV 95	16:00	Shipment
	Maureen [signature]	11-11-95	1100	

Comments/Instructions: Saturday Delivery

Method of Shipment: FED EXP

Airbill No.: 671 5057042

Total No. of Coolers Shipped:

1 forms/cocrecor doc

00003

9058

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 17 MCAS EL TORO
CTO Number: 0076

Sampler's Name(s): R. Blanchet
Sampler's Signature(s): [signature]

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76Q-001
Date: 11-9-95

Pay Items/Analyses Required: 10.37 / 8.1 / 9.1

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Preservation: 4°C | 4°C | 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container (AG 8OZ)	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76Q6001	11-9-95 14:30	17BS01	SSF		8oz glass JAR	01	01	01								
76Q6002	11-9-95 14:08	17BS02	SSF		8oz glass Jar	01	01	01								
76Q6003	11-9-95 10:45	17BS03	SSF		8oz glass Jar	01	01	01								
76Q6004	11-9-95 15:30	17BS04	SSF		8oz glass Jar	01	01	01								
76Q6005	11-9-95 10:54	17BS05	SSF		8oz glass Jar	01	01	01								
76Q6006	11-9-95 13:54	17BS06	SSF		8oz glass Jar	01	01	01								
76Q6007	11-9-95 13:15	17BS07	SSF		8oz glass Jar	01	01	01								
76Q6008	11-9-95 14:40	17BS08	SSF		8oz glass Jar	01	01	01								
76Q6009	11-9-95 13:34	17BS09	SSF		8oz glass Jar	01	01	01								
76Q6010	11-9-95 10:30	17BS10	SSF		8oz glass Jar	01	01	01								
76Q6011	11-9-95 11:00	17BS11	SSF		8oz glass Jar	01	01	01								

disregard line over container I.D.'s 11-10-95

Relinquished By	Received By	Date	Time	Reason for Transfer
	~~FEDEX~~ RB	9 NOV		
RB	Locked Storage	9 NOV	17:30	Storage
Locked Storage	RB	10 NOV	15:30	Prep Shipment
RB	Fed Ex	10 NOV	16:30	Shipment to Lab
	[signature]	11/11/95	1100	

Comments/Instructions: SATURDAY DELIVERY

Method of Shipment: FED-EX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

1 forms/cocrecor.doc

9059

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 17 MCAS EL TORO
CTO Number: 0076

Sampler's Name(s): R. Blanchet
Sampler's Signature(s): Richard Blanchet

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: INCHCAPE Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester, VT
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76Q-001
Date: 11-9-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container (AG 8 OZ)	Preservation (4°C, 4°C, 4°C)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
16Q6012	11-9-95 15:38	17BS12	SSF		8 oz glass Jar		01 01 01	
16Q6013	11-9-95 14:50	17BS13	SSF		8 oz glass Jar		01 01 01	
16Q6014	11-9-95 10:35	17BS14	SSF		8 oz glass Jar		01 01 01	
16Q6015	11-9-95 10:59	17BS15	SSF		8 oz glass Jar		01 01 01	
16Q6016	11-9-95 14:30	17BS16	SSF		8 oz glass Jar		01 01 01	MS(16Q6001)
16Q6016	11-9-95 14:30	17BS16	SSF		8 oz glass JAR		02 02 02	MSD(16Q6001)
16Q6017	11-9-95 14:30	17BS17	SSF		8 oz glass JAR		01 01 01	
16Q6041	11-9-95 10:35	17BS41	SSF		8 oz glass JAR		01 01 01	
			JDL 11-10-95		AG 8 OZ JDL 11-10-95			

Relinquished By	Received By	Date	Time	Reason for Transfer
RB	FEDEX			
RB	Locked Storage	9 NOV	17:30	Storage
Locked Storage	RB	10 NOV	15:30	Prep for Shipment
RB	Fed Ex	10 NOV	16:30	Shipment
		11/11/95	1100	

Comments/Instructions: SATURDAY DELIVERY

Method of Shipment: FED-EX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

forms/cocrecor.doc

000005

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

December 22, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076MICE; SDG No. 55006; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55006		
76B800101	277794	Biota
76B800201	277795	Biota
76B800501	277796	Biota
76B800601	277797	Biota
76B800701	277798	Biota
76B800801	277799	Biota
76B800901	277800	Biota
76B801101	277801	Biota
76B801301	277802	Biota
76B801302	277803MS	Biota
76B801303	277804MD	Biota
76B801303	277804DP	Biota
GB1	277816	Water
76B801401	277805	Biota
76B801501	277806	Biota
76B801601	277807	Biota
76Q800201	277808	Biota
76Q800301	277809	Biota
76Q800401	277810	Biota
76Q800501	277811	Biota
76Q800701	277812	Biota
76Q800801	277813	Biota
76Q800901	277814	Biota
76Q801001	277815	Biota
GB2	277817	Water
LCSB	277818	Solid

CLEAN II

8978

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS: Site 17
CTO Number: 076

Sampler's Name(s): Roy Woodward / MTA
Sampler's Signature(s): MTA / Roy Woodward

Site Contact/Supervisor: Jacques P. Lord

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: 11-18-95 (all samples)

Pay Items/Analyses Required: 10.31/SVOCs; 8.1/PCBs; 9.1/Metals

Preservation

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
76Q8011	9:28	17BT11	Fan		Plastic Jar	01	01	01	
76Q8013	9:46	17BT13				01	01	01	
76Q8047	9:49	17BT47							
76Q8006	~~8:54~~ 9:00 MTA	17BT06				02	02	02	MS
76Q8013	9:39	17BT13							
76Q8006	8:54	17BT06							Parent to MS/MSD
76Q8015	10:05	17BT15							
76Q8012	9:31	17BT12							
76Q8009	9:19	17BT09							

Relinquished By	Received By	Date	Time	Reason for Transfer
MTA	~~MTA~~ D Freezer	8 NOV	15:30	Storage
Freezer	MTA	16 NOV	16:00	Shipment
MTA	Fed Ex	16 NOV	16:30	Shipment
	[illegible]	11/11/95	1100	ANALYSIS

Comments/Instructions: Saturday Delivery

Method of Shipment: Fed Ex

Airbill No.: 6715057042

Total No. of Coolers Shipped: 7

f forms/cocrecor doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8974

Site Name: El Toro MCAS : Site 2
CTO Number: 076

Sampler's Name(s): Roy Woodward / M. Tabing-Hoang
Sampler's Signature(s): [signature] MTA

Site Contact/Supervisor: Jacques P. Lord

Analytical Laboratory Name: Inch Cape Testing Services
Analytical Laboratory Address: 55 South Park Dr. Colchester VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: B5-76B-001
Date: 11-9-95

Pay Items/Analyses Required: 1,2,8 / 16,37 / SVOCs / 48,1 / PCBs / 9,8 / Metals / 11-10-95

Preservation

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
7688002	7:49	02BT02	Fau		Plastic Jar	01 01 01	
7688013	8:36	02BT13				01 01 01	Parent to MS/MSD
7688008	8:08	02BT08				01 01 01	
7688009	8:00	02BT09				01 01 01	
7688007	8:02	02BT07				01 01 01	
7688013	8:30	02BT13				03 03 03	MSD
7688014	8:57	02BT14				01 01 01	
7688001	7:43	02BT01				01 01 01	
7688007	8:00	02BT06				01 01 01	
7688016	8:35	02BT16				01 01 01	
7688015	9:01	02BT15				01 01 01	

Relinquished By	Received By	Date	Time	Reason for Transfer
Sharon Channesian	freezer	11-9-95	17:30	storage
freezer	Sharon Channesian	11-10-95	16:00	packaging
Sharon Channesian	Fed Ex	11-10-95	16:30	Shipment
	[signature]	11/11/95	1100	ANALYSIS

Comments/Instructions: Saturday Delivery

Method of Shipment: FEDEX

Airbill No. 6715057042

Total No. of Coolers Shipped: 7

I forms/cocrecor doc

CLEAN II

8973

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS: Site 2
CTO Number: 076

Sampler's Name(s): Roy Woodward
Sampler's Signature(s): [illegible]

Site Contact/Supervisor: Jacques P. Lord

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 555 S. Park Dr., Colchester VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: 11-10-95

Pay Items/Analyses Required: 10.37/SVOCs; 8.1/PCBs; 9.1/Metals

QC Level: C D E

TAT (in days): 2 7 14 30

Preservation

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
X 76B8013	8:30	02BT13	Fauna		Plastic jar	02 02 02	MS
X 76B8011	8:10	02BT11				01 01 01	
X 76B8005	7:59	02BT05				01 01 01	

Relinquished By	Received By	Date	Time	Reason for Transfer
Sharon Thomerson	Freezer	11-9-95	17:30	Storage
Freezer	Sharon Thomerson	11-10-95	16:00	packaging
Sharon Thomerson	Fed Ex	11-10-95	16:30	Ship to Lab
	[illegible]	11/11/95	1100	ANALYSES

Comments/Instructions: Saturday Delivery

Method of Shipment: FEDEX

Airbill No.: 6715057042

Total No. of Coolers Shipped: 7

f:\forms\cocrecor.doc

CLEAN II

8979

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS: Site 17
CTO Number: 076

Sampler's Name(s): Roy Woodward / M. Tuckey
Sampler's Signature(s): Roy Woodward / MTA

Site Contact/Supervisor: Jacques P. Lord

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Drive, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: 11-18-95 (all sampled)

Pay Items/Analyses Required: MTA Lab; 10.97/SVOCs; 8.1/PCBs; 9.1/Metals

Preservation

QC Level: C (D) (E)

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76Q8003	8:32	17BT03	Fan		Plastic jar	01 01 01	Containers
76Q8005	8:45	17BT05	Fan			01 01 01	broken
76Q8004	8:37	17BT04				01 01 01	therefore no
76Q8046	8:45	17BT46				01 01 01	custody seals
76Q8002	8:19	17BT02				01 01 01	applied —
76Q8014	9:53	17BT14				01 01 01	
76Q8010	9:25	17BT10				01 01 01	
76Q8006	9:06	17BT06				03 03 03	MSD
76Q8015	9:59	17BT15				01 01 01	
76Q8007	9:09	17BT07				01 01 01	
76Q8008	9:15	17BT08				01 01 01	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
MT-A	Freezer	8 Nov	15:30	storage	Saturday Delivery
Freezer	MT-A	10 Nov	15:30	Shipment	
MT-A	FEDEXP	10 Nov	18:30	Shipment to Lab	
	[illegible]	11/11/95	1100	ANALYSES	Method of Shipment: Fed Ex
					Airbill No.: 6715057042 — Total No. of Coolers Shipped: 7

I:\forms\coc\rmcoc.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

December 22, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076SOIL; SDG No. 55008; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55008		
76Q604101	277834	Soil
076600101	277835	Soil
076600201	277836	Soil
076600301	277837	Soil
076600401	277838	Soil
076600501	277839	Soil
076600601	277840	Soil
076600701	277841	Soil
076600801	277842	Soil
076600901	277843	Soil
076600902	277844MS	Soil
076600902	277844MD	Soil
076600903	277845DP	Soil
076601001	277846	Soil
076601101	277847	Soil
076601201	277848	Soil
076601301	277849	Soil
076601401	277850	Soil
076601501	277851	Soil
076601601	277852	Soil
076601701	277853	Soil
076603001	277983	Bait
076603001	277983MS	Bait
076603001	277983MD	Bait
LCSS	277855	Solid
LCSS	277856	Solid

CLEAN II

9060

CHAIN-OF-CUSTODY RECORD

Site Name: REF MCAS EL TORO	Sampler's Name(s): Roy Woodward - Richard Blanchet	Site Contact/Supervisor: R. Woodward
CTO Number: 0076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Fathcape Testing Services-Aquachlorb
Analytical Laboratory Address: 555 Perch Dr. Colchester VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-076-001
Date: 11-10-95

Pay Items/Analyses Required: PCBs 8.1; Metals 9.1; SVOCs 10.37

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	PCBs	Metals	SVOCs	Preservation							Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
0766013	11/10 13:35	RFBS13	Soil		8oz glass jar	01	01	01								
0766016	11/10 13:35	RFBS16	Soil			01	01	01								
0766014	11/10 13:42	RFBS14				01	01	01								
0766015	11/10 13:50	RFBS15				01	01	01								
0766008	11/10 13:52	RFBS08				01	01	01								
0766009	11/10 13:56	RFBS09				01	01	01								
0766009	11/10 13:56	RFBS09				02	02	02								MSD
0766009	11/10 13:56	RFBS09				03	03	03								MS
0766010	11/10 14:01	RFBS10				01	01	01								
0766017	11/10 14:04	RFBS17				01	01	01								
0766011	11/10 14:07	RFBS11				01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer
Richard Blanchet	Fed Ex	11/10/95	16:30	shipment
	Maureen [signature]	11/11/95	1100	

Comments/Instructions: Saturday Delivery

Method of Shipment: Fed EX

Airbill No.: 671505 7042

Total No. of Coolers Shipped:

f:/forms/cocrecor.doc

BECHTEL CLEAN II

9057

000004

CHAIN-OF-CUSTODY RECORD

Site Name: REF MCAS EL TORO
CTO Number: 0076

Sampler's Name(s): Roy Woodward Richard Blaat
Sampler's Signature(s): [signature]

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Inchcape Testing Services Aquatic
Analytical Laboratory Address: 555 Park Dr. Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: BS-076-001
Date: 11-10-95

Pay Items/Analyses Required: 8.1 / 9.1 / 10.37

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: Pc Bs	Mikb	Sucs								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
0766012	11/10 14:11	RFBS12	Soil		8 oz glass Jar	01	01	01								
0766004	11/10 14:16	RFBS04				01	01	01								
0766006	11/10 14:25	RFBS06				01	01	01								
0766005	11/10 14:27	RFBS05				01	01	01								
0766007	11/10 14:30	RFBS07				01	01	01								
0766002	11/10 14:36	RFBS02				01	01	01								
0766003	11/10 14:41	RFBS03				01	01	01								
0766001	11/10 14:46	RFBS01				01	01	01								
0766030	11/10 13:46	RFBS03	Peanut butter Bait		8 oz plastic Jar	01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer
Richard Blaat	Fed EX	11/10/95	16:30	Shipment
	Maureen [signature]	11/11/95	1100	

Comments/Instructions: Saturday Delivery

Method of Shipment: Fed EX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

I:/forms/cocrecor.doc

COPY - ORIGINAL ON FILE

SDG # 55001 ETR # 55001 9059

000005

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 17 MCAS EL TORO

CTO Number: 0076

Sampler's Name(s): R. Blanchet

Sampler's Signature(s): Richard Blanchet

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: INCHCAPE Testing Services

Analytical Laboratory Address: 55 South Park Drive, Colchester, VT

Field QC Package Number: N/A

Field Logbook/Page Number: BS-76Q-001

Date: 11-9-95

Pay Items/Analyses Required

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container (AG 8 OZ)	Preservation (4°C / 4°C / 4°C)	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76Q6012	11-9-95 15:38	17BS12	SSF		8 oz glass Jar	01 01 01		
76Q6013	11-9-95 14:50	17BS13	SSF		8 oz glass Jar	01 01 01		
76Q6014	11-9-95 10:35	17BS14	SSF		8 oz glass Jar	01 01 01		
76Q6015	11-9-95 12:59	17BS15	SSF		8 oz glass Jar	01 01 01		
76Q6016	11-9-95 14:30	17BS16	SSF		8 oz glass Jar	01 01 01		MS(76Q6001)
76Q6016	11-9-95 14:30	17BS16	SSF		8 oz glass JAR	02 02 02		MSD(76Q6001)
76Q6017	11-9-95 14:30	17BS17	SSF		8 oz glass JAR	01 01 01		
76Q6041	11-9-95 10:35	17BS41	SSF		8 oz glass JAR	01 01 01		
			JDL 11-10-95		AG 8 OZ JDL 11-10-95			

Relinquished By	Received By	Date	Time	Reason for Transfer
~~RB~~	~~FEDEX~~			
RB	Locked Storage	9 NOV	17:30	Storage
Locked Storage	RB	10 NOV	15:30	Prep for Shipment
RB	Fed Ex	10 NOV	16:30	Shipment
		11/11/95	1000	

Comments/Instructions: SATURDAY DELIVERY

Method of Shipment: FED-EX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

1/forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

December 28, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076PLANT; SDG No. 55025; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55025		
076700101	277951	Tissue
076700201	277952	Tissue
076700301	277953	Tissue
076700302	277954MS	Tissue
076700303	277955MD	Tissue
076700303	277955DP	Tissue
076700401	277956	Tissue
076700501	277957	Tissue
076700601	277958	Tissue
076700701	277959	Tissue
076700801	277960	Tissue
076700901	277961	Tissue
076701001	277962	Tissue
076701101	277963	Tissue
076701201	277964	Tissue
076701301	277965	Tissue
076701401	277966	Tissue
076701501	277967	Tissue
076704601	277968	Tissue
76B700101	277969	Tissue
76B700201	277970	Tissue
76B700301	277971	Tissue
76B700401	277972	Tissue
LCSP	277973	Solid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first two or three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metals data which are reported to the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

A biota Standard Reference Material (SRM 1566a, oyster tissue) was prepared with the metals analyses of samples in this delivery group. This SRM does not contain all the elements reported for this SDG, but has been provided as a reference. The low aluminum recovery found in the SRM is consistent with previous data generated using this material. It has an appreciable amount of insoluble silicates found in oysters in the form of dirt or sediment, therefore, the low recovery is expected. The concentrations of nickel, chromium, cobalt, lead and selenium in the SRM are very near the reporting limit. As a result, a one or two ppb difference from the true value would result in percent recoveries outside the vendor supplied quality control criteria.

All samples in this delivery group were analyzed twice during metal scans for arsenic. During both analyses, a CCV check standard exhibited a response above quality control criteria (+3.5%). No samples in this batch exhibited a result for arsenic above the CRDL, and all associated prep blanks and blank spike samples are within acceptance criteria. One of these analyses has been reported with this case submittal, both sets of raw data are provided in the supportive documentation section.

The diverse number of plant species represented in this Sample Delivery Group contained naturally occurring compounds which are sensitive to semivolatile organic and pesticide/PCB extractions and analyses. Specifically, they contained very high levels of terpenes, essential oils and aliphatic hydrocarbons. Routine organic extractions would have resulted in the need for

extremely high dilution prior to analysis, and the final result of non-detected target compounds. The laboratory undertook special procedures to prepare the samples in an effort to provide the lowest possible reporting limits for all retrievable compounds. As a result, there were three distinct sample extracts used during semivolatile organic analyses and one extract for pesticide/PCB analyses. The appropriate semivolatile compounds retrievable in each fraction are reported separately, based on blank spike recoveries. All three fraction results are combined on the electronic deliverable to provide one value for each target compound in each sample. The laboratory was not able to detect all semivolatile compounds in the plant samples due to the severity of the matrix interferences. Rejection of certain interferences by cleanup resulted in rejection of some target compounds (mostly the polar compounds). Even with the additional cleanup, it was necessary to dilute a few fractions for some samples in order to prevent mass spectrometer shutdown due to excessive source pressure. General matrix interferences also affected the chromatography and internal standard response during both semivolatile and pesticide/PCB analyses. In some cases, the matrix actually functioned as a solvent and Grob effects resulted in significant retention time shifts. It was necessary to manually verify the identification and quantitation of every target compound in every fraction. The target reporting limits for semivolatile organic compounds was 66 ug/Kg. Target limits for pesticide/PCB compounds were 1.7, 3.3 and 33 ug/Kg . These reporting limits are based on the use of 30 grams of plant material concentrated thirty times for semivolatiles and three times for pesticides and PCBs. The basic procedure followed by the laboratory is outlined below.

1. 30 g of chopped plant material were frozen to disrupt the tissue, spiked with surrogates (330/500 ug/Kg for semivolatiles and 13.3 ug/Kg for pesticides), dried with sodium sulfate and Soxhlet extracted with 50% acetone in methylene chloride.

2. The raw extracts were concentrated to approximately 10 mL. Depending on the plant type (particularly the sages and mule fat) most extracts at this point were solid at room temperature due to dissolved polar materials.

3. One hundred mL of hexane was added to each extract to precipitate polar materials.

4. The precipitate in each extract was removed by centrifugation and the remaining hexane was concentrated to 2 mL and diluted to 10 mL with methylene chloride.

5. High molecular weight materials (fatty oils) were removed using GPC cleanup by taking 5 mL of the extract in step 4 through the system. The GPC was calibrated for semivolatiles. This calibration was done in lieu of

a pesticide calibration because the entire pesticide range is encompassed by the semivolatile calibration range. The extract was hexane exchanged and concentrated to 2 mL for silica gel fractionation.

6. The extract was fractionated on 10 g of silica gel using 40 mL of hexane, 40 mL of 10% methylene chloride in hexane, 40 mL of 40% methylene chloride in hexane and 40 mL of 100% methylene chloride.

7. The 40% and 100% methylene chloride fractions were combined. The hexane, 10% methylene chloride and the combined 40%/100% fractions were each concentrated to 5 mL.

8. 1 mL of each fraction were combined and concentrated to 1 mL for pesticide analysis.

9. The remaining 4 mL of each fraction was individually concentrated to 0.4 mL for semivolatile analysis and analyzed separately.

The pesticide/PCB analysis of samples in this delivery group exhibited surrogate recoveries in the 40-100% range. Method blank and blank spike samples exhibited acceptable recoveries. Matrix spike analyses exhibited recoveries for lindane and endrin of less than 20 percent. The laboratory believes that these recoveries are related to the sample matrix (plants).

During the pesticide/PCB analysis, the identification of samples labeled 076700301, 076700302MS and 076700303MSD were truncated to 70030, 70030MS and 70030MSD respectively to allow for data processing by a commercial software system.

During the semivolatile organic analysis, the identification of samples labeled 076700301, 076700302MS and 076700303MSD were truncated to 7003, 7003MS and 7003MSD respectively to allow for data processing by a commercial software system.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Karen R. Chirgwin

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B22NOV95

page 1 of 3 ~~Page 1 of 2~~ DO 11-10-95 9052

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: REF MCAS EL TORO
CTO Number: 0076

Sampler's Name(s): R. Woodward; M. Vicario
Sampler's Signature(s): [signature]

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Inchcape Testing Services-Aquatic Labs
Analytical Laboratory Address: 555 Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-076-001
Date: 11-10-95

Pay Items/Analyses Required: PAH 10.37-SVOCs; PCB 10.42; Metals 8.1; 9.1; ~~Preservation~~

QC Level: C | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	PAH	PCB	Metals	Remarks (e.g., MS, MSD)
0767001 DO 11-10-95	11-10-95 10:00	RFBP11	FAU		Plastic ~~JAR~~ bag	01	01	01	
0767002	11-10-95 09:50	RFBP12			Plastic ~~jar~~ bag	01	01	01	
0767003	11-10-95 09:40	RFBP13			Plastic ~~jar~~ bag	01	01	01	
0767004	11-10-95 09:30	RFBP14			Plastic ~~jar~~ bag	01	01	01	
0767005	11-10-95 09:20	RFBP15		DO 11-10-95	Plastic ~~jar~~ bag	01	01	01	
0767006	11-10-95 10:10	RFBP04			Plastic ~~jar~~ bag	01	01	01	
0767007	11-10-95 10:15	RFBP05			Plastic ~~jar~~ bag	01	01	01	
0767008	11-10-95 10:20	RFBP08			Plastic ~~jar~~ bag	01	01	01	
0767009	11-10-95 10:25	RFBP02			Plastic ~~jar~~ bag	01	01	01	
0767010	11-10-95 10:30	RFBP03			Plastic ~~jar~~ bag	01	01	01	
0767011	11-10-95 10:35	RFBP06			Plastic ~~jar~~ bag	01	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
Sharon Thanmann	Fed ex	11/10/95	6:30	Shipment
	[signature]	11/11/95	1100	ANALYSIS

Comments/Instructions: SATURDAY Delivery

Method of Shipment: FedEX

Airbill No.: 671505 7042.

Total No. of Coolers Shipped:

t:\forms/cocr

page 2 of 3 SAO 11-10-95 ~~page 1 of 3~~

9056

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Reference - El Toro MCAS	Sampler's Name(s): R. Woodward; M. Vicario	Site Contact/Supervisor: R. Woodward
CTO Number: 0076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services - Aquatec Laboratories
Analytical Laboratory Address: 55 S. Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-076-001
Date: 11-10-95

Pay Items/Analyses Required: ~~10.3 SVOCs~~ ~~PAHs~~ 8.1 - PCBs; 9.1 - Metals

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
0767012	11-10-95 10:40	RFBP07	FALL		plastic ~~jar~~ bag		01	01	01	
0767013	11-10-95 10:45	RFBP09			plastic ~~jar~~ bag		01	01	01	
0767014	11-10-95 10:45	RFBP10		SAO 11-10-95	plastic ~~jar~~ bag		01	01	01	
0767015	11-10-95 10:50	SAO 11-10-95 ~~RFBT~~ RFBP01			plastic ~~jar~~ bag		01	01	01	
0767046	11-10-95 10:55	SAO 11-10-95 ~~RFBP13~~ - RFBP46			plastic ~~jar~~ bag		01	01	01	~~DH~~ SAO 11-10-95
0767003	11-10-95 11:00	RFBP13			plastic ~~jar~~ bag		02	02	02	MS
0767003	11-10-95 11:00	RFBP13			plastic ~~jar~~ bag		03	03	03	MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
Sharon Ohannessian	FED EX	10 Nov	16:30	Shipment
	[signature]	11/11/95	1100	ANALYSES

Comments/Instructions: (see page 1)

Method of Shipment: FED - EX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

t/forms/cocre

9284

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2 - El Toro MCAS
CTO Number: 22214076

Sampler's Name(s): M Tagny - Abbasi
Sampler's Signature(s): MTA

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Mitkem
Analytical Laboratory Address: Vermont
Field QC Package Number: N/A
Field Logbook/Page Number: BS-768-001
Date: all on 10/10/

Pay Items/Analyses Required: VOCs 10.37, PCBs 8.1, Metals 9.1

QC Level: C D E

TAT (in days): 2 7 14 30

Preservation: 4°C, 4°C, 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
7686015	10:26	02BS15	SFS matrix 10/07		8oz glass	01	01	01	
7687015	10:30	02BP15	FAU		baggie	01	01	01	
7687013	10:45	02BP13	"		"	01	01	01	
7686013	10:41	02BS13	SFS matrix		8oz glass	01	01	01	
7686014	11:00	02BS14	SFS matrix		"	01	01	01	
7687014	11:05	02BP14	FAU		baggie	01	01	01	
7686001	11:10	02BS01	SFS matrix		8oz glass	01	01	01	
7687001	11:10	02BP01	FAU		baggie	01	01	01	
7686006	11:15	02BS06	SFS matrix		8oz glass	01	01	01	
7687006	11:15	02BP06	FAU		baggie	01	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
MTA	FedEx	10/01	16:30	Shipment
	[illegible]	11/1/95	1100	ANALYSES

Comments/Instructions: Sal Delivery

Method of Shipment: FEDEXP

Airbill No.: 671 505 042

Total No. of Coolers Shipped:

f:/forms/cocrecor.doc

9283

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2, El Toro
CTO Number: 22214-076

Sampler's Name(s): M. Tabuf-Abusi
Sampler's Signature(s): MT-A

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Freb
Analytical Laboratory Address: Vermont, 185 S. Park Dr, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: All samples on this COC coll. 10 Nov

Pay Items/Analyses Required: SVOC 1013, Metals, PCBs 9.1

QC Level: C D E

TAT (in days): 2 7 14 30

Preservation: 4°C →

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
76B6005	9:18	02B6005	SFS MTA 10 NOV		8oz jar	01	01	01	
76B7005	9:25	02B7005	FAU		Baggie	01	01	01	
76B6007	9:27	02B6007	SFS MTA 10 NOV		8oz jar	01	01	01	
76B7007	9:27	02B7007	FAU		Baggie	01	01	01	
76B6012	9:41	02B6012	SFS MTA 10 NOV		8oz jar	01	01	01	
76B7012	9:45	02B7012	FAU		Baggie	01	01	01	
76B7002	9:55	02B7002	"		"	01	01	01	
76B6002	9:50	02B6002	SFS MTA 10 NOV		8oz jar	01	01	01	
76B6004	10:10	02B6004	SFS MTA 10 NOV		"	01	01	01	
76B6010	10:16	02B6010	"		"	01	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	FEDEX	10 NOV	16:30	Shipment
	[illegible]	11/11/93	1100	ANALYSES

Comments/Instructions: Sat Delivery

Method of Shipment: FEDEX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

f:/forms/cocrecc

CLEAN II

9044

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2 MCAS EL TORO
CTO Number: 0076

Sampler's Name(s): M. Tasnif-Abbasi
Sampler's Signature(s): MT-A

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester VT. 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76Q-001
Date: 9 NOVEMBER 1995

Pay Items/Analyses Required: 10.37 (SVOC), 9.1 (PCB's), 9.1 (Metals)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	4°C	4°C								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
X 76B7004	11-9-95 10:55	02BP04	FAU		Baggie	01	01	01								
• 76B7040	11-9-95 11:00	02BP40				01	01	01								
• 76B7010	11-9-95 11:05	02BP10				01	01	01								
• 76B7039	11-9-95 11:05	02BP39				01	01	01								
X 76B7003	11-9-95 10:45	02BP03				01	01	01								
• 76B7011	11-9-95 10:40	02BPØ11 MTA 9 NOV				01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
M. TASNIF-ABBASI	Locked Storage	9 NOV	21:30	Storage	SATURDAY DELIVERY
Locked Stor.	MT-A	10 NOV	13:30	Prep for Shipping	
MT-A	Fed Exp	10 NOV	15:30	Shipment	
	[illegible]	11/11/95	1100	ANALYSIS	Method of Shipment: FED-EX
					Airbill No.: 6715057042 Total No. of Coolers Shipped:

! forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax 802-655-1248

January 3, 1996

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076PLANT; SDG No. 55036; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55036		
76B700501	278006	Tissue
76B700501	278006D1	Tissue
76B700601	278007	Tissue
76B700701	278008	Tissue
76B700801	278009	Tissue
76B700802	278010MS	Tissue
76B700803	278011MD	Tissue
76B700803	278011DP	Tissue
76B700901	278012	Tissue
76B701001	278013	Tissue
76B701101	278014	Tissue
76B701201	278015	Tissue
76B701301	278016	Tissue
76B701401	278017	Tissue
76B701501	278018	Tissue
76B703901	278019	Tissue
76B704001	278020	Tissue
76Q700101	278021	Tissue
76Q700201	278022	Tissue
76Q700301	278023	Tissue
76Q700401	278024	Tissue
76Q700501	278025	Tissue
76Q700601	278026	Tissue
76Q700701	278027	Tissue
LCSP	278028	Solid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first two or three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metals analyses which are reported to the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

A biota Standard Reference Material (SRM 1566a, oyster tissue) was prepared with the metals analyses of samples in this delivery group. This SRM does not contain all the elements reported for this SDG, but has been provided as a reference. The low aluminum recovery found in the SRM is consistent with previous data generated using this material. It has an appreciable amount of insoluble silicates found in oysters in the form of dirt or sediment, therefore, the low recovery is expected. The concentrations of nickel, chromium, cobalt, lead and selenium in the SRM are very near the reporting limit. As a result, a one or two ppb difference from the true value would result in percent recoveries outside the vendor supplied quality control criteria. The metals analysis of sample labeled 76B700802 exhibited matrix spike recoveries outside established quality control criteria for lead, manganese, zinc and mercury. Duplicate analyses on sample 76B700803 were also outside control limits for barium, manganese, potassium, copper, zinc and mercury. All data have been flagged appropriately.

The diverse number of plant species represented in this Sample Delivery Group contained naturally occurring compounds which are sensitive to semivolatile organic and pesticide/PCB extractions and analyses. Specifically, they contained very high levels of terpenes, essential oils and aliphatic hydrocarbons. Routine organic extractions would have resulted in the need for extremely high dilution prior to analysis, and the final result of non-detected target compounds. The laboratory undertook special procedures to prepare the samples in an effort to provide the

lowest possible reporting limits for all retrievable compounds. As a result, there were three distinct sample extracts used during semivolatile organic analyses, one for pesticide/PCB analyses. The appropriate semivolatile compounds retrievable in each fraction are reported separately, based on blank spike recoveries. All three fraction results are combined on the electronic deliverable to provide one value for each target compound in each sample. The laboratory was not able to detect all semivolatile compounds in the plant samples due to the severity of the matrix interferences. Rejection of certain interferences by cleanup resulted in rejection of some target compounds (mostly the polar compounds). Even with the additional cleanup, it was necessary to dilute a few fractions for some samples in order to prevent mass spectrometer shutdown due to excessive source pressure. General matrix interferences also affected the chromatography and internal standard/surrogate standard response during both semivolatile and pesticide/PCB analyses. In some cases, the matrix actually functioned as a solvent and Grob effects resulted in significant retention time shifts. It was necessary to manually verify the identification and quantitation of every target compound in every fraction. The target reporting limits for semivolatile organic compounds were 66ug/Kg. Target limits for pesticide/PCB compounds were 1.7, 3.3 and 33 ug/Kg . These reporting limits are based on the use of 30grams of plant material concentrated thirty times for semivolatiles and three times for pesticides and PCBs. The basic procedure followed by the laboratory is outlined below.

1. 30g of chopped plant material were frozen to disrupt the tissue, spiked with surrogates (330/500 ug/Kg for semivolatiles and 13.3 ug/Kg for pesticides), dried with sodium sulfate and Soxhlet extracted with 50% acetone in methylene chloride.

2. The raw extracts were concentrated to approximately 10 ml. Depending on the plant type (particularly the sages and mule fat) most extracts at this point were solid at room temperature due to dissolved polar materials.

3. One hundred ml of hexane was added to each extract to precipitate polar materials.

4. The precipitate in each extract was removed by centrifugation and the remaining hexane was concentrated to 2ml and diluted to 10 ml with methylene chloride.

5. High molecular weight materials (fatty oils) were removed using GPC cleanup by taking 5ml of the extract in step 4 through the system. The GPC was calibrated for semivolatiles. This calibration was done in lieu of a pesticide calibration because the entire pesticide range is encompassed by the semivolatile calibration range. The extract was hexane exchanged and concentrated to 2ml for silica gel fractionation.

6. The extract was fractionated on 10 g of silica gel using 40ml of hexane, 40ml of 10% methylene chloride in hexane, 40 ml of 40% methylene chloride in hexane and 40 ml of 100% methylene chloride.

7. The 40% and 100% methylene chloride fractions were combined. The hexane, 10% methylene chloride and the combined 40%/100% fractions were each concentrated to 5ml.

8. 1ml of each were combined and concentrated to 1ml for pesticide analysis.

9. The remaining 4ml of each fraction was individually concentrated to 0.4ml for semivolatile analysis and analyzed separately.

The original semivolatile organic analysis of sample labeled 76B700501 exhibited a concentration of acenaphthene above calibration range. This sample was reanalyzed at an appropriate dilution yielding acceptable results. Both sets of data have been presented in this case submittal.

During the semivolatile organic analysis, the identification of samples labeled 73B700801, 73B700802MS and 73B700803MSD were truncated to 7008, 7008MS and 7008MSD respectively to allow for data processing by a commercial software system.

The pesticide/PCB analysis of samples in this delivery group exhibited surrogate recoveries in the 40-100% range. Method blank and blank spike samples exhibited acceptable recoveries. Matrix spike analyses exhibited recoveries for lindane and DDT outside routine control criteria. The laboratory believes that these recoveries are related to the sample matrix (plants).

During the pesticide/PCB analysis, the identification of samples labeled 07B700801, 07B700802MS and 07B700803MSD were truncated to 70080, 70080MS and 70080MSD respectively to allow for data processing by a commercial software system.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Karen R. Chirgwin

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B22NOV95

002C

9042

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 17 MCAS EL TORO
CTO Number: 22214-076

Sampler's Name(s): [illegible]
Sampler's Signature(s): MT-A

Site Contact/Supervisor: Gary Woodward

Analytical Laboratory Name: Anchorage Testing Services
Analytical Laboratory Address: Vermont 55 South Park Drive Colchester VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76Q-001
Date: 9 Nov 1995

Pay Items/Analyses Required: VOC (10.37), PCBs (8.1), Metals (9.1)

JDL 11-10-95

QC Level: C [X] [X]

TAT (in days): 2 | 7 | 14 | [X] 30

Preservation: 4°C | 4°C | 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
76Q7001	9 Nov - 14:30	17BP01	FAUX		baggie	01	01	01	
76Q7002	9 Nov - 14:10	17BP02				01	01	01	
76Q7003	9 Nov - 13:00	17BP03				01	01	01	
76Q7004	9 Nov - 15:35	17BP04				01	01	01	
76Q7005	9 Nov - 15:50	17BP05				01	01	01	
76Q7037	9 Nov - 15:50	17BP39				01	01	01	
76Q7006	9 Nov - 13:54	17BP06				01	01	01	
76Q7007	9 Nov - 13:30	17BP07				01	01	01	
76Q7039	9 Nov - 13:30	17BP29				01	01	01	
76Q7008	9 Nov - 14:40	17BP08				01	01	01	
76Q7009	9 Nov - 13:34	17BP09				01	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	Locked Storage	9 Nov	8:30 pm	Storage
Locked Storage	MT-A	10 Nov	13:30	Prep for Shipment
MT-A	FED EXP	10 Nov	13:30	Shipment
	[illegible]	11/10/95	1100	ANALYSIS

Comments/Instructions: SATURDAY DELIVERY

Method of Shipment: FED Ex

Airbill No.: 6715057042

Total No. of Coolers Shipped:

1 forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

9282

Site Name: Site 2, El Toro MCAS
CTO Number: 22214-076

Sampler's Name(s): M. Yusuf Abbasi
Sampler's Signature(s): MT-A

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Anchorage Testing Services
Analytical Laboratory Address: Vermont
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: All samples on this COC coll. - 10 Nov

Per Items/Analyses Required: SVOCs (10.2) / Metals 9.1 / Part PCBs 8.1 / SVOC (10.2) / Met 9.1 / PCBs 8.1

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	4°C	4°C							Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)									
76B609	8:15	02BS09	SFS MATALO NOV		8oz glass	01	01	01							
76B630	8:15	02BS30	SFS MATALO NOV		"	01	01	01							
76B709	8:20	02BP09	FAU		Baggie	01	01	01							
76B603	8:40	02BS03	SFS MATALO NOV		8oz glass	01	01	01							
						02	02	02							MS
						03	03	03							MSD
76B611	8:46	02BS11	SFS MATALO NOV		8oz glass	01	01	01							
76B608	8:53	02BS08				01	01	01							
76B624	8:55					01	01	01							
76B608	8:57	02BP08	FAU		Baggie	01	01	01							02 = MS
		02BP08				02	02	02	03	03	03				03 = MSD

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	FEDEX	10 Nov	15:30	Shipment
	[illegible]	11/11/93	1100	ANALYSIS

Comments/Instructions: Saturday Delivery

Method of Shipment: FEDEXP

Airbill No.: 6715057042

Total No. of Coolers Shipped:

1:/forms/cocrecor

000004

COPY - ORIGINAL ON FILE

SDG # 55025 FTR # 55025

9283

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2, El Toro	Sampler's Name(s): M. Tabrizi - Abbasi	Site Contact/Supervisor: R. Woodward
CTO Number: 22214-076	Sampler's Signature(s): MT-A	

Analytical Laboratory Name: [illegible]

Analytical Laboratory Address: [illegible] 75 S. Park St, Colchester, VT 05446

Field QC Package Number: N/A

Field Logbook/Page Number: RW-76B-001

Date: All samples on this COC coll. 10 NOV

Pay Items/Analyses Required: Lead, Metals, PCBs

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Preservation: 4°C →

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
76B6005	9:18	02B6005	SFS MTA 10 NOV		8oz jar	01	01	01	
X 76B7005	9:25	02BP05	FAU		Baggie	01	01	01	
76B6007	9:27	02B6007	SFS MTA 10 NOV		8oz jar	01	01	01	
X 76B7007	9:27	02BP07	FAU		Baggie	01	01	01	
76B6012	9:41	02B6012	SFS MTA 10 NOV		8oz jar	01	01	01	
X 76B7012	9:45	02BP12	FAU		Baggie	01	01	01	
76B7002	9:55	02BP02	"		"	01	01	01	
76B6002	9:50	02B6002	SFS MTA 10 NOV		8oz jar	01	01	01	
76B6004	10:10	02B6004	SFS MTA 10 NOV		"	01	01	01	
76B6010	10:16	02B6010	"		"	01	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	FEDEX	10 NOV	16:30	Shipment
	[illegible]	11/11/95	1100	ANALYSES

Comments/Instructions: Sat Delivery

Method of Shipment: FEDEX

Airbill No.: 671505704 2

Total No. of Coolers Shipped:

f:/forms/cocrecor.doc

COPY - ORIGINAL ON FILE

BECHTEL CLEAN II

SDG # 55025 ETR # 55025

9284

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2 - El Toro MCAS	Sampler's Name(s): M Tagui - Abbasi	Site Contact/Supervisor: S. Woodward
CTO Number: 22214076	Sampler's Signature(s): MT-A	

Analytical Laboratory Name: Mebcorp

Analytical Laboratory Address: Vermont

Field QC Package Number: N/A

Field Logbook/Page Number: BS-768-001

Date: all on 10/30/01

Pay Items/Analyses Required: VOCs 10.37, PCBs 8.1, Metals 9.4

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOCs 4°C	PCBs 4°C	Metals 4°C	Preservation							Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B6015	10:26	02BS15	SFS matrix lower		8oz glass	01	01	01								
X 76B7015	10:30	02BP15	FAU		baggie	01	01	01								
X 76B7013	10:45	02BP13	"		"	01	01	01								
76B6013	10:41	02BS13	SFS matrix lower		8oz glass	01	01	01								
76B6014	11:00	02BS14	SFS matrix lower		"	01	01	01								
X 76B7014	11:05	02BP14	FAU		baggie	01	01	01								
76B6001	11:10	02BS01	SFS matrix lower		8oz glass	01	01	01								
X 76B7001	11:10	02BP01	FAU		baggie	01	01	01								
76B6006	11:15	02BS06	SFS matrix lower		8oz glass	01	01	01								
X 76B7006	11:15	02BP06	FAU		baggie	01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	FedEx	10/30/01	16:30	Shipment
	[illegible]	11/1/01	1100	ANALYSES

Comments/Instructions: Sal Delivery

Method of Shipment: FEDEX

Airbill No.: 671 505 7042

Total No. of Coolers Shipped:

I:/forms/cocrec

COPY - ORIGINAL ON FILE

SDG # 55025 ETR # 55025

9044

000007

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2 MCAS EL TORO	Sampler's Name(s): M. Tasnuf-Abbasi	Site Contact/Supervisor: R. Woodward
CTO Number: 00276	Sampler's Signature(s): MT-A	

Analytical Laboratory Name: Inchcape Testing Services

Analytical Laboratory Address: 55 South Park Drive, Colchester VT 05446

Field QC Package Number: N/A

Field Logbook/Page Number: BS-76Q-001

Date: 9 NOVEMBER 1995

Pay Items/Analyses Required: 10.37 (SVOC), 8.1 (PCB's), 9.1 (Metals)

QC Level: C D (E)

TAT (in days): 2 7 14 (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	4°C	4°C								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B7004	11-9-95 10:55	02BP04	FAU		Baggie	01	01	01								
76B7040	11-9-95 11:00	02BP40				01	01	01								
76B7010	11-9-95 11:05	02BP10				01	01	01								
76B7039	11-9-95 11:05	02BP39				01	01	01								
76B7003	11-9-95 10:45	02BP03				01	01	01								
76B7011	11-9-95 10:40	02BPØ11 MTA 9 NOV				01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
M. TASNIF-ABBASI	Lockheed Storage	9 NOV	21:30	Storage	SATURDAY DELIVERY
Lockheed Stor.	MT-A	10 NOV	13:30	Prep for Shipping	
MT-A	Fed Ex	10 NOV	15:30	Shipment	
	[illegible]	4/11/95	1100	ANALYSIS	Method of Shipment: FED-EX
					Airbill No.: 6715057042 Total No. of Coolers Shipped:

forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

January 5, 1996

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076PLANT; SDG No. 55040; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55040		
76Q700801	278120	Tissue
76Q700901	278121	Tissue
76Q701001	278122	Tissue
76Q701101	278123	Tissue
76Q701201	278124	Tissue
76Q701301	278125	Tissue
76Q701401	278126	Tissue
76Q701402	278127MS	Tissue
76Q701403	278128MD	Tissue
76Q701403	278128DP	Tissue
76Q701501	278129	Tissue
76Q702901	278130	Tissue
76Q703901	278131	Tissue
LCSP	278132	Solid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first two or three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metal analyses which are reported at the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the

volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

A biota Standard Reference Material (SRM 1566a, oyster tissue) was prepared with the metals analyses of samples in this delivery group. This SRM does not contain all the elements reported for this SDG, but has been provided as a reference. The low aluminum recovery found in the SRM is consistent with previous data generated using this material. It has an appreciable amount of insoluble silicates found in oysters in the form of dirt or sediment, therefore, the low recovery is expected. The concentrations of nickel, chromium, cobalt, lead and selenium in the SRM are very near the reporting limit. As a result, a one or two ppb difference from the true value would result in percent recoveries outside the vendor supplied quality control criteria.

The metals analysis of sample labeled 76Q701402 exhibited matrix spike recoveries outside quality control criteria for iron, manganese, selenium, zinc and mercury. Duplicate analyses on sample 76Q701403 were outside control limits for aluminum, calcium, iron and manganese. All data have been flagged appropriately.

The diverse number of plant species represented in this Sample Delivery Group contained naturally occurring compounds which are sensitive to semivolatile organic and pesticide/PCB extractions and analyses. Specifically, they contained very high levels of terpenes, essential oils and aliphatic hydrocarbons. Routine organic extractions would have resulted in the need for extremely high dilution prior to analysis, and the final result of non-detected target compounds. The laboratory undertook special procedures to prepare the samples in an effort to provide the lowest possible reporting limits for all retrievable compounds. As a result, there were three distinct sample extracts used during semivolatile organic analyses, one for pesticide/PCB analyses. The appropriate semivolatile compounds retrievable in each fraction are reported separately, based on blank spike recoveries. All three fraction results are combined on the electronic deliverable to provide one value for each target compound in each sample. The laboratory was not able to detect all semivolatile compounds in the plant samples due to the severity of the matrix interferences. Rejection of certain interferences by cleanup resulted in rejection of some target

compounds (mostly the polar compounds). Even with the additional cleanup, it was necessary to dilute a few fractions for some samples in order to prevent mass spectrometer shutdown due to excessive source pressure. General matrix interferences also affected the chromatography and internal standard response during both semivolatile and pesticide/PCB analyses. In some cases, the matrix actually functioned as a solvent and Grob effects resulted in significant retention time shifts. It was necessary to manually verify the identification and quantitation of every target compound in every fraction. The target reporting limits for semivolatile organic compounds were 66ug/Kg. Target limits for pesticide/PCB compounds were 1.7, 3.3 and 33 ug/Kg . These reporting limits are based on the use of 30grams of plant material concentrated thirty times for semivolatiles and three times for pesticides and PCBs. The basic procedure followed by the laboratory is outlined below.

1. 30g of chopped plant material were frozen to disrupt the tissue, spiked with surrogates (330/500 ug/Kg for semivolatiles and 13.3 ug/Kg for pesticides), dried with sodium sulfate and Soxhlet extracted with 50% acetone in methylene chloride.

2. The raw extracts were concentrated to approximately 10 ml. Depending on the plant type (particularly the sages and mule fat) most extracts at this point were solid at room temperature due to dissolved polar materials.

3. One hundred ml of hexane was added to each extract to precipitate polar materials.

4. The precipitate in each extract was removed by centrifugation and the remaining hexane was concentrated to 2ml and diluted to 10 ml with methylene chloride.

5. High molecular weight materials (fatty oils) were removed using GPC cleanup by taking 5ml of the extract in step 4 through the system. The GPC was calibrated for semivolatiles. This calibration was done in lieu of a pesticide calibration because the entire pesticide range is encompassed by the semivolatile calibration range. The extract was hexane exchanged and concentrated to 2ml for silica gel fractionation.

6. The extract was fractionated on 10 g of silica gel using 40ml of hexane, 40ml of 10% methylene chloride in hexane, 40 ml of 40% methylene chloride in hexane and 40 ml of 100% methylene chloride.

7. The 40% and 100% methylene chloride fractions were combined. The hexane, 10% methylene chloride and the combined 40%/100% fractions were each concentrated to 5ml.

8. 1ml of each were combined and concentrated to 1ml for pesticide analysis.

9. The remaining 4ml of each fraction was individually concentrated to 0.4ml for semivolatile analysis and analyzed separately.

During the semivolatile organic analysis, the identification of samples labeled 76Q701401, 76Q701402MS and 76Q701403MSD were truncated to Q7014, Q7014MS and Q7014MSD respectively to allow for data processing by a commercial software system.

The pesticide/PCB analysis of samples in this delivery group exhibited matrix spike recoveries for lindane and endrin below advisory limits, and several surrogate recoveries outside advisory limits. The laboratory believes that these recoveries are related to the sample matrix (plants).

During the pesticide/PCB analysis, the identification of samples labeled 76Q701401, 76Q701402MS and 76Q701403MSD were truncated to 70140, 70140MS and 70140MSD respectively to allow for data processing by a commercial software system.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Joseph J. Orsini for

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B22NOV95

002B

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Cache 17	Sampler's Name(s): M. Tusuf - Abbasi	Site Contact/Supervisor: R. Woodward
CTO Number: 22214-076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Quanterra
Analytical Laboratory Address: Vermont (55 Suite Rd, Colchester, VT 05446)
Field QC Package Number: N/A
Field Logbook/Page Number: BS 76Q 001
Date: 9 Nov

Pay Items/Analyses Required: 0.37 VOC; 8.1 PCB; 9.1 Metals

QC Level: C / X / E (VDL)

TAT (in days): 2 / 7 / 14 / 30 (11-10-95)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	4°C	4°C								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
* 76Q7010	9NOV	15:57	Tissue	(AU)	Baggie	01	01	01								
* 76Q7011	9 Nov	15:45				01	01	01								
* 76Q7012	9 NOV	15:38				01	01	01								
* 76Q7013	9 NOV	14:50				01	01	01								
* 76Q7014	9 NOV	15:45				01	01	01								
*						02	02	02								MSD
*						03	03	03								MS
* 76Q7015	9NOV	13:00				01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer
M. Tusuf - Abbasi	Jacked Storage	9 NOV	8.30pm	Storage
Jacked Storage	MT-A	10 NOV	13.30	Shipment
MT-A	FED EXP	10 NOV	15:30	Shipment to
	[illegible]	11/11/95	1100	Lab

Comments/Instructions: SATURDAY DELIVERY

Method of Shipment: Fed Ex

Airbill No.: 6715057042

Total No. of Coolers Shipped:

Forms common.doc

UMM003

9042

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 17 MCAS EL TORO
CTO Number: 2-2214-076

Sampler's Name(s): [illegible]
Sampler's Signature(s): MT-A

Site Contact/Supervisor: [illegible]

Analytical Laboratory Name: Anchorage Testing Services
Analytical Laboratory Address: Vermont 55 South Park Drive Colchester VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76Q-001
Date: 9 Nov 1995

Pay Items/Analyses Required: VOC (10.37), PCBs (8.1), Metals (9.1)

JDL 11-10-95

QC Level: C | X | X

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC (10.37) 4°C	PCBs (8.1) 4°C	Metals (9.1) 4°C	Preservation							Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76Q7001	9 Nov - 14:30	17BP01	FAU		Baggie	01	01	01								
76Q7002	9 Nov - 14:10	17BP02				01	01	01								
76Q7003	9 Nov - 1300	17BP03				01	01	01								
76Q7004	9 Nov - 15:35	17BP04				01	01	01								
76Q7005	9 Nov - 15:50	17BP05				01	01	01								
76Q7039	9 Nov - 15:50	17BP39				01	01	01								
76Q7006	9 Nov - 13:54	17BP06				01	01	01								
76Q7007	9 Nov - 13:30	17BP07				01	01	01								
76Q7029	9 Nov - 13:30	17BP29				01	01	01								
76Q7008	9 Nov - 14:40	17BP08				01	01	01								
76Q7009	9 Nov - 13:34	17BP09				01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	Lockheed Storage	9 Nov	8:30 pm	Storage
Lockheed Storage	MT-A	10 Nov	13:30	Prep for Shipment
MT-A	FED EXP	10 Nov	13:30	Shipment
	[illegible]	11/11/95	1100	ANALYSIS

Comments/Instructions: SATURDAY DELIVERY

Method of Shipment: FED Ex

Airbill No.: 6715057042

Total No. of Coolers Shipped

COPY - ORIGINAL ON FILE

SDG # 55036 ETR # 55034

1 form/cocrecor doc

000004

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

December 28, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076SOIL; SDG No. 55056; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55056		
76B600101	278165	Soil
76B600201	278166	Soil
76B600301	278167	Soil
76B600302	278168MS	Soil
76B600303	278169MD	Soil
76B600303	278169DP	Soil
76B600401	277170	Soil
76B600501	277171	Soil
76B600601	277172	Soil
76B600701	277173	Soil
76B600801	277174	Soil
76B600901	277175	Soil
76B601001	277176	Soil
76B601101	277177	Soil
76B601201	277178	Soil
76B601301	277179	Soil
76B601401	277180	Soil
76B601501	277181	Soil
76B602901	277182	Soil
76B603001	277183	Soil
LCSS	277184	Solid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metals analysis which are reported to the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

Please note the use of the following additional qualifier when reporting semivolatile organic results:

Z = The reported result has been based on the combined instrument response from coeluting compounds.

Samples labeled PBLKV1, LCSS, 76B600101, 76B600201 exhibited a low recovery for tetrachloro-m-xylene when analyzed for pesticide/PCB. Samples were re-extracted, at the clients request, outside of their holding times. Both sets of data have been presented in this case submittal.

Please note the use of the following qualifiers when reporting pesticide/PCB results:

P = Greater than 25 percent difference was observed between the calculated value on two distinct analytical columns.

Matrix spike recoveries were outside the established control limits for sample labeled 76B600302 for antimony and lead analysis. All data have been flagged according to contract specifications.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Joe J. Arsenault for

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B21NOV95

002A

COPY - ORIGINAL ON FILE

BECHTEL CLEAN II SDG # 55025 ETR # 55025

9284

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2 - El Toro MCAS	Sampler's Name(s): M. Tagui - Abbasi	Site Contact/Supervisor: S. Woodward
CTO Number: 22214.076	Sampler's Signature(s): MTA	

Analytical Laboratory Name: Mebcorp
Analytical Laboratory Address: Vermont
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: all on 10/30/

Pay Items/Analyses Required: VOCs 10.3.1, PCBs 8.1, Metals 9.1

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	4°C	4°C								Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
X 76B6015	10:26	02BS15	SFS matrix 10/30		8oz glass	01	01	01								
76B7015	10:30	02BP15	FAU		baggie	01	01	01								
76B6013	10:45	02BP13	"		"	01	01	01								
X 76B6013	10:41	02BS13	SFS matrix		8oz glass	01	01	01								
X 76B6014	11:00	02BS14	SFS matrix		"	01	01	01								
76B7014	11:05	02BP14	FAU		baggie	01	01	01								
X 76B6501	11:10	02BS01	SFS matrix		8oz glass	01	01	01								
76B7001	11:10	02BP01	FAU		baggie	01	01	01								
X 76B6506	11:15	02BS06	SFS matrix		8oz glass	01	01	01								
76B7506	11:15	02BP06	FAU		baggie	01	01	01								

Relinquished By	Received By	Date	Time	Reason for Transfer
MTA	FedEx	10/30	16:30	Shipment
	[illegible]	11/1/95	1100	ANALYSES

Comments/Instructions: Sat Delivery

Method of Shipment: FEDEXP

Airbill No.: 671 505 042

Total No. of Coolers Shipped:

I:/forms/cocrecor.doc

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

9282

Site Name: Site 2, El Toro MCAS
CTO Number: 22214-078

Sampler's Name(s): M. Tabrizi-Abbasi
Sampler's Signature(s): MT-A

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Anchorage Testing Services
Analytical Laboratory Address: Vermont
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: All samples on this COC coll. - 10 Nov

Pay Items/Analyses Required: SVOCs (1-27), Metals (9-1), PCBs (8-1), SVOC (1-27), Met (9-1), PCBs (8-1)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	SVOCs (1-27) 4°C	Metals (9-1) 4°C	PCBs (8-1) 4°C	SVOC (1-27)	Met (9-1)	PCBs (8-1)					Remarks (e.g., MS, MSD)
						Preservation										
						Container Nos. (2 digit)										
76B609	8:15	02B509	SFS MT-10 NOV		8oz glass	01	01	01								
76B030	8:15	02BB30	SFS MT-10 NOV		"	01	01	01								
76B709	8:20	02BP09	FAU		Baggie	01	01	01								
76B603	8:40	02B503	SFS MT-10 NOV		8oz glass	01	01	01								
						02	02	02								MS
						03	03	03								MSD
76B611	8:48	02B511	SFS MT-10 NOV		8oz glass	01	01	01								
76B608	8:53	02B508				01	01	01								
76B629	8:55					01	01	01								
76B708	8:57	02BP08	FAU		Baggie	01	01	01								02 = MS
		02BP08				02	02	02	03	03	03					03 = MSD

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
MT-A	FEDEX	10 NOV	15:30	Shipment	Saturday Delivery
	[illegible]	11/11/95	1100	ANALYSIS	
COPY - ORIGINAL ON FILE					Method of Shipment: FEDEXP
SDG # 55036	ETR # 55036				Airbill No.: 6716057042 — Total No. of Coolers Shipped:

1./forms/cocrecor.doc

COPY - ORIGINAL ON FILE
SDG # 55025 ETR # 55025

9283

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: Site 2, El Toro	Sampler's Name(s): M. Tabrizi-Abbasi	Site Contact/Supervisor: R. Woodward
CTO Number: 22214-076	Sampler's Signature(s): MT-A	

Analytical Laboratory Name: [illegible]
Analytical Laboratory Address: [illegible] 155 S. Park St, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BC-76B-001
Date: All samples on this COC coll. 10 NOV

Pay Items/Analyses Required: Cyan 10.3, Metals 7, PCBs 9.1

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C →	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
X 7686005	9:18	02B005	SFS MTA ONLY		8oz jar		01	01	01	
7687005	9:25	02BP05	FAU		Baggie		01	01	01	
X 7686007	9:27	02B007	SFS MTA ONLY		glass jar		01	01	01	
7687007	9:27	02BP07	FAU		Baggie		01	01	01	
X 7686012	9:41	02B012	SFS MTA ONLY		8oz jar		01	01	01	
7687012	9:45	02BP12	FAU		Baggie		01	01	01	
7687002	9:55	02BP02	"		"		01	01	01	
7686002	9:50	02B002	SFS MTA ONLY		8oz jar		01	01	01	
X 7686004	10:10	02B004	SFS MTA ONLY		"		01	01	01	
X 7686010	10:16	02B010	"		"		01	01	01	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
MT-A	FEDEX	10 NOV	16:30	Shipment	Sat Delivery
	[illegible]	11/11/95	1100	ANALYSES	
					Method of Shipment: FEDEX
					Airbill No.: 6715057042
					Total No. of Coolers Shipped:

I:/forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

December 22, 1995

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Aquatec Project Number 94227
Case No. 076MICE; SDG No. 55078; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on November 11, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Lab No.	Sample Matrix
Samples Received on November 11, 1995 ETR No. 55078		
76Q800601	277819	Biota
76Q800602	277820MS	Biota
76Q800603	277821MD	Biota
76Q800603	277821DP	Biota
76Q801101	277822	Biota
76Q801201	277823	Biota
76Q801301	277824	Biota
76Q801302	277825	Biota
76Q801401	277826	Biota
76Q801501	277827	Biota
76Q801502	277828	Biota
76Q804601	277829	Biota
76Q804701	277830	Biota
GB3	278243	Water
076800101	277831	Biota
076800102	277832	Biota
076800103	277833	Biota
076800103	277833R1	Biota
076800201	278234	Biota
076800202	278235	Biota
076800203	278236	Biota
076800301	278237	Biota
076800302	278238	Biota
076800401	278240	Biota
076800403	278241	Biota
076800502	278242	Biota
GB4	278244	Water
LCSB	278252	Solid

001

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metals results which are reported to the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

The laboratory prepared grinding blanks to accompany these samples through the homogenization process. They have been labeled GB3 and GB4.

The metals analysis of sample labeled 76Q800603 exhibited matrix spike recoveries of selenium and mercury outside established quality control criteria. Duplicate analysis for aluminum was also outside control limits. All data have been flagged appropriately.

A biota Standard Reference Material (SRM 1566a, oyster tissue) was prepared with the metals analyses of samples in this delivery group. This SRM does not contain all the elements reported for this SDG, but has been provided as a reference. The low aluminum recovery found in the SRM is consistent with previous data generated using this material. It has an appreciable amount of insoluble silicates found in oysters in the form of dirt or sediment, therefore, the low recovery is expected. The concentrations of nickel, chromium, cobalt, lead and selenium in the SRM are very near the reporting limit. As a result, a one or two ppb difference from the true value would result in percent recoveries outside the vendor supplied quality control criteria.

Two solid Laboratory Control Samples (LCS) were also prepared with the metals analysis of samples in this delivery group. LCS-2 exhibited potassium recovery outside quality control criteria. The two primary SRM standards analyzed with this case exhibited acceptable potassium results.

The original pesticide/PCB analysis of sample labeled 076800103 exhibited surrogate recoveries below quality control criteria. This sample was re-extracted within the prescribed holding time (samples were re-frozen after the original extraction) and reanalyzed yielding acceptable results. Both sets of data have been presented with this case submittal.

Please note the use of the following qualifier when reporting pesticide/PCB results:

P = Greater than 25 percent difference was observed between the calculated value on two distinct analytical columns.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Karen R Chirgwin

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B22NOV95

002A

page 30 of 3

9051

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: REF MCAS El Toro
CTO Number: 0076

Sampler's Name(s): R. Woodward, M. Vicaria, S. Ohannessian
Sampler's Signature(s): S. Ohannessian

Site Contact/Supervisor: R. Woodward

Analytical Laboratory Name: Inchcape Testing Service - Aquatec Laboratories
Analytical Laboratory Address: 55 S. Park Dr. Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-076-001
Date: 11-10-95

Pay Items/Analyses Required

QC Level: C D (E)

TAT (in days): 2 7 14 (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	PAH (ID: 12 a.1)	PCB (a.1)	Metals	Preservation							Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
0768001	11-10-95 08:40	RFBT13	FAU		plastic JAR	01	01	01								
0768001	11-10-95 08:35	RFBT10	FAU		plastic jar	02	02	02								
~~0768001~~ 0768002	11-10-95 07:15	RFBT02	FAU		plastic jar	01	01	01								
0768001	11-10-95 07:20	RFBT03	FAU		plastic jar	03	03	03								
0768002	11-10-95 07:35	RFBT04	FAU		plastic jar	02	02	02								
0768002	11-10-95 07:35	RFBT01	FAU		plastic jar	03	03	03								
0768003	11-10-95 07:20	RFBT03	FAU		plastic jar	02	02	02								
0768004	11-10-95 07:40	RFBT05	FAU		plastic jar	01	01	01								
0768004	11-10-95 07:40	RFBT01	FAU		plastic jar	03	03	03								DUP
0768005	11-10-95 08:00	RFBT07	FAU		plastic jar	02	02	02								MSD
0768003	11-10-95 08:20	RFBT09	FAU		plastic jar	01	01	01								MS

Relinquished By	Received By	Date	Time	Reason for Transfer
Sharon Ohannessian	Fed Ex	11-10-95	16:30	Shipment
		11/11/95	1100	ANALYSES

Comments/Instructions: SATURDAY SHIPMENT

Method of Shipment: FED-EX

Airbill No.: 6715057042

Total No. of Coolers Shipped:

forms/cocrecor.doc

COPY - ORIGINAL ON FILE
SDG # 55006 ETR # 55006

8975

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS: Site 17
CTO Number: 076

Sampler's Name(s): Roy Woodward / M. Tabuy-Abole
Sampler's Signature(s): Roy Woodward / MTA

Site Contact/Supervisor: Jacques P. Lord

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Drive, Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: BS-76B-001
Date: 11-18-95 (all sampled)

Pay Items/Analyses Required: MTA Lab 10-97/SVOCs 8.1/PCBs 9.1/Metals

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)	Remarks (e.g., MS, MSD)
76Q8003	8:32	17BT03	Fan		Plastic jar	01 01 01	Containers
76Q8005	8:45	17BT05	Fan			01 01 01	frozen
76Q8004	8:37	17BT04				01 01 01	therefore no
76Q8046	8:45	17BT46				01 01 01	custody seals
76Q8002	8:19	17BT02				01 01 01	applied —
76Q8014	9:53	17BT14				01 01 01	
76Q8010	9:25	17BT10				01 01 01	
76Q8006	9:06	17BT06				03 03 03	MSD
76Q8015	9:59	17BT15				01 01 01	
76Q8007	9:09	17BT07				01 01 01	
76Q8008	9:15	17BT08				01 01 01	

Relinquished By	Received By	Date	Time	Reason for Transfer
MT-A	Freezer	8 Nov	15:30	storage
Freezer	MT-A	10 Nov	15:30	Shipment
MT-A	FEDEX / M. Hunt	10 Nov	18:30	Shipment to Lab
		11/11/95	1100	ANALYSES

Comments/Instructions: Saturday Delivery

Method of Shipment: Fed Ex

Airbill No.: 6715057042

Total No. of Coolers Shipped: 7

Forms/cocrecor.doc

COPY - ORIGINAL ON FILE

SDG # 55006 ETR # 55006

8978

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: El Toro MCAS: Site 17

CTO Number: 076

Sampler's Name(s): Roy Woodward / MT-A

Sampler's Signature(s): MT-A

Site Contact/Supervisor: Jacques P. Lord

Analytical Laboratory Name: Inchcape Testing Services

Analytical Laboratory Address: 55 S. Park Dr., Colchester, VT 05446

Field QC Package Number: N/A

Field Logbook/Page Number: BS-76B-001

Date: 11-18-95 (all sampled)

Pay Items/Analyses Required: 10.37/SVOCs; 8.1/PCBs; 9.1/Metals

Preservation

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)			Remarks (e.g., MS, MSD)
76Q8011	9:28	17BT11	Fan		Plastic Jar	01	01	01	
76Q8013	9:46	17BT13				01	01	01	
76Q8047	9:49	17BT47							
76Q8006	9:00 ~~8:54~~	17BT06				02	02	02	MS
76Q8013	9:39	17BT13							
76Q8006	8:54	17BT06							Parent to MS/MSD
76Q8015	10:05	17BT15							
76Q8012	9:31	17BT12							
76Q8009	9:19	17BT09							

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
MT-A	~~MT-A~~ Freezer	8 NOV	15:30	Storage	Saturday Delivery
Freezer	MT-A	10 NOV	16:00	Shipment	
MT-A	Fed Ex	10 NOV	16:30	Shipment	
		11/11/95	1100	ANALYSIS	Method of Shipment: Fed Ex
					Airbill No.: 6715057042 — Total No. of Coolers Shipped: 7

I:/forms/cocrecor.doc

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

January 11, 1996

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Laboratory Project Number 94227
Case No. 076; SDG No. 55229; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services Environmental Laboratory on November 24, 29, 30 and December 1, 1995. Laboratory numbers were assigned and are designated as follows:

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on November 24, 1995 ETR No. 55229		
76C001201	279197	Water
76C001202	279198	Water
76C001203	279199	Water
76C001204	279200	Water
76C001301	279201	Soil
76C001301	279201MS	Soil
76C001301	279201MD	Soil
76C001302	279202	Soil
76C001302	279202MS	Soil
76C001302	279202MD	Soil
76C001302	279202DP	Soil
76C001401	279203	Soil
76C001401	279203MS	Soil
76C001401	279203MD	Soil
76C001402	279204	Soil
76C001402	279204MS	Soil
76C001402	279204MD	Soil
76C001402	279204DP	Soil
76C001501	279205	Soil
76C001502	279206	Soil
76C001601	279207	Soil
76C001601	279207R1	Soil
76C001601	279207D1	Soil
76C001602	279208	Soil
76C001901	279209	Soil
76C001901	279209R1	Soil
76C001902	279210	Soil

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on November 24, 1995 ETR No. 55229 (continued)		
76C002001	279211	Soil
76C002002	279212	Soil
76C002101	279213	Soil
76C002102	279214	Soil
76C002201	279215	Soil
76C002202	279216	Soil
76C002301	279217	Soil
76C002302	279218	Soil
76C002302	279218D1	Soil
76C002501	279219	Soil
76C002502	279220	Soil
76C002502	279220R1	Soil
LCS	279221	Solid
Samples Received on November 29, 1995 ETR No. 55271		
76B110601	279522	Water
76B110602	279523	Water
76B110603	279524	Water
76B110608	279525	Water
76B110609	279526	Water
76B110610	279527	Water
76B110611	279528	Water
76B110612	279529	Water
76B110613	279530	Water
76B110619	279531	Water
76B110620	279532	Water
76B110622	279533	Water
76B110701	279534	Water
76B110702	279535	Water
76B110703	279536	Water
76B110704	279537	Water
76B110705	279538	Water
76B110706	279539	Water
76B110707	279540	Water
76B110708	279541	Water
76B110709	279542	Water
76B110710	279543	Water
76B110711	279544	Water
76B110712	279545	Water
76B110713	279546	Water
76B110714	279547	Water
76B110715	279548	Water
76B110716	279549	Water
76B110717	279550	Water
76B110718	279551	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on November 29, 1995 ETR No. 55271 (continued)		
76B110719	279552	Water
76B110720	279553	Water
76B110721	279554	Water
76B110722	279555	Water
76B110723	279556	Water
76B110724	279557	Water
76B110725	279558	Water
76B110726	279559	Water
76B110728	279560	Filtrate
76B110729	279561	Water
76B110730	279562	Water
76B110501	279563	Water
76B110502	279564	Water
76B110503	279565	Water
76B110504	279566	Water
Samples Received on November 30, 1995 ETR No. 55306		
76B110101	279683	Water
76B110102	279684	Water
76B110103	279685	Water
76B110108	279686	Water
76B110109	279687	Water
76B110110	279688	Water
76B110111	279689	Water
76B110112	279690	Water
76B110113	279691	Water
76B110119	279692	Water
76B110120	279693	Water
76B110122	279694	Water
76B110129	279695	Water
76B110130	279696MS	Water
76B110131	279697	Water
76B110132	279698MD	Water
76B110141	279699	Water
76B110142	279700MS	Water
76B110143	279701	Water
76B110144	279702MD	Water
76B110145	279703	Water
76B110146	279704MS	Water
76B110147	279705	Water
76B110148	279706MD	Water
76B110154	279707MS	Water
76B110155	279708MD	Water
76B110155	279708DP	Water
76B110157	279709MS	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on November 30, 1995 ETR No. 55306 (continued)		
76B110301	279710	Water
76B110302	279711	Water
76B110303	279712	Water
76B110304	279713	Water
76B110305	279714	Water
76B110306	279715	Water
76B110401	279716	Water
76B110402	279717	Water
76B110403	279718	Water
76B110408	279719	Water
76B110409	279720	Water
76B110410	279721	Water
76B110411	279722	Water
76B110412	279723	Water
76B110413	279724	Water
76B110419	279725	Water
76B110420	279726	Water
76B110422	279727	Water
76B112301	279728	Water
76B112302	279729	Water
76B112303	279730	Water
76B112304	279731	Water
LCS	279732	Liquid
Samples Received on December 1, 1995 ETR No. 55335		
76B110104	279801	Water
76B110105	279802	Water
76B110106	279803	Water
76B110107	279804	Water
76B110114	279805	Water
76B110115	279806	Water
76B110116	279807	Water
76B110117	279808	Water
76B110118	279809	Water
76B110121	279810	Water
76B110123	279811	Water
76B110124	279812	Water
76B110125	279813	Water
76B110126	279814	Water
76B110128	279815	Filtrate
76B110133	279816MS	Water
76B110134	279817	Water
76B110135	279818MD	Water
76B110136	279819	Water
76B110137	279820MS	Water

Samples Received on December 1, 1995
ETR No. 55335 Continued)

Client Sample ID	Laboratory Number	Sample Matrix
76B110138	279821	Water
76B110139	279822MD	Water
76B110140	279823	Water
76B110149	279824MS	Water
76B110150	279825MD	Water
76B110151	279826MS	Water
76B110152	279827MD	Water
76B110153	279828MS	Water
76B110153	279828DP	Water
76B110156	279829DP	Water
76B110158	279830MS	Water
76B110158	279830DP	Water
76B110159	279831MS	Water
76B110160	279832DP	Water
76B110161	279833MS	Water
76B110162	279834DP	Water
76B110163	279835DP	Water
76B110166	279836MS	Filtrate
76B110167	279837DP	Filtrate
76B110168	279838	Water
76B110169	279839	Water
76B110170	279840MS	Water
76B110171	279841MD	Water
76B110404	279842	Water
76B110405	279843	Water
76B110406	279844	Water
76B110407	279845	Water
76B110414	279846	Water
76B110415	279847	Water
76B110416	279848	Water
76B110417	279849	Water
76B110418	279850	Water
76B110421	279851	Water
76B110423	279852	Water
76B110424	279853	Water
76B110425	279854	Water
76B110426	279855	Water
76B110428	279856	Water
76B110429	279857	Water
76B110430	279858	Water
76B110501	279859	Water
76B110502	279860	Water
76B110503	279861	Water
76B110508	279862	Water
76B110509	279863	Water
76B110510	279864	Water
76B110511	279865	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on December 1, 1995 ETR No. 55335 Continued)		
76B110512	279866	Water
76B110513	279867	Water
76B110519	279868	Water
76B110520	279869	Water
76B110522	279870	Water
76B110604	279871	Water
76B110605	279872	Water
76B110606	279873	Water
76B110607	279874	Water
76B110614	279875	Water
76B110615	279876	Water
76B110616	279877	Water
76B110617	279878	Water
76B110618	279879	Water
76B110621	279880	Water
76B110623	279881	Water
76B110624	279882	Water
76B110625	279883	Water
76B110626	279884	Water
76B110628	279885	Filtrate
76B110629	279886	Water
76B110629	279886R1	Water
76B110630	279887	Water
76B112401	279888	Water
76B112402	279889	Water
76B112403	279890	Water
76B112404	279891	Water
LCSW	279892	Liquid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metals analyses which are reported to the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

The metals analysis of sample labeled 76C001402 exhibited matrix spike recovery of antimony outside established control limits. Duplicate analyses for calcium were also outside control limits. All data have been flagged appropriately.

Four to six standard points were used to calibrate 8010/8020 volatile organic compounds. The appropriate calibration factors used for each column and compound have been hand edited on calibration summary Form 6.

The original 8010/8020 volatile organic analysis of all samples in this delivery group occurred on an analytical sequence during which the instrument appears to have lost sensitivity. This is exhibited in the sample surrogate recoveries below quality control criteria, and the calibration check standards with percent differences below control limits. The laboratory determined that the condition was instrumental rather than sample related, and proceeded with reanalysis of all samples using GCMS method 8260. These subsequent analyses occurred beyond the prescribed holding time. They are reported under a section of the case submittal labeled "8010/8020 VOC, Mass Spec confirmation using method 8260). The electronic deliverable contains their data under the 8010/8020 Pay Item number and method code, with the appropriate reanalysis qualifiers.

Due to the limited sample volume available after numerous 8010/8020 analyses, several confirmatory 8260 analyses were conducted on containers originally assigned to parameters other than 8010/8020 (TPH-Gas or OLC Volatiles). These samples are reported from the exact container used for analysis, and affect samples 76B110109, 76B110409, 76B110143 and 76C001202.

The identification of samples labeled 76B110147, 76B110146MS and 76B110148MSD were truncated during the original 8010/8020 volatile organic analysis to 1101, 1101MS and 1101MSD respectively, to allow for data processing by a commercial software system.

The original 8010/8020 volatile organic analysis of sample labeled 76C002002 exhibited tetrachloroethene at a concentration above calibration range. This sample was reanalyzed using method 8260 at an appropriate dilution yielding acceptable results.

The 8010/8020 volatile organic analytical sequence dated 12/04/95 does not include a closing calibration check standard. The laboratory intended reanalysis of the samples on this analytical sequence, however, that reanalysis was accomplished using method 8260.

Please note the use of the following qualifiers when reporting 8010/8020 volatile organic results:

P = Greater than 25 percent difference was observed between the calculated value on two distinct analytical columns.

The original semivolatile organic analysis of sample labeled 76C001601 exhibited internal standard response outside established quality control criteria. This sample was reanalyzed yielding similar results. Both sets of data have been presented in this case submittal.

Please note that sample labeled 76C002201 was diluted three-fold prior to the GPC extraction cleanup procedure due to the difficult sample matrix. This dilution has been recorded on the extraction bench worksheet, and was considered during sample calculations. The identification of samples labeled 76B110104, 76B110133MS and 76B110135MSD were truncated during the semivolatile organic analysis to 1101, 1101MS and 1101MSD respectively, to allow for data processing by a commercial software system.

Please note the use of the following qualifier when reporting semivolatile organic results:

Y = The reported compound is a suspected laboratory contaminant. Its presence in the sample is unlikely.

The original PAH-SIM analysis of sample labeled 76C001901 exhibited surrogate recoveries below quality control criteria. This sample was re-extracted beyond the prescribed holding time and reanalyzed yielding acceptable results. Both sets of data have been presented in this case submittal.

The PAH-SIM analysis of sample labeled 76C002201 did not exhibit resolution of benzo(b)fluoranthene and benzo(k)fluoranthene. In this sample, only benzo(b)fluoranthene is reported. Its quantitation is based on the combined response of the unresolvable peaks.

The original Polynuclear Aromatic Hydrocarbon method 8310 analysis of sample labeled 76B110629 was inadvertently fortified with the matrix spike compounds. This sample was re-extracted beyond the prescribed holding time and reanalyzed yielding acceptable results. Both sets of data have been presented in this case submittal.

The pesticide/PCB analysis of sample labeled 76C002301 exhibited surrogate recoveries below advisory quality control criteria.

Please note the use of the following qualifiers when reporting pesticide/PCB results:

P = Greater than 25 percent difference was observed between the calculated value on two distinct analytical columns.

Four to five standard points were used to calibrate Herbicide compounds. The appropriate calibration factors used have been hand edited on calibration summary Form 6.

The herbicide calibration check standards on the RTx-1701 analytical column exhibited an increased response resulting in percent differences outside quality control criteria. The RTx-35 column was used for quantitation in this situation.

The herbicide analysis of samples labeled 76B110151MS and 76B110152MSD exhibited matrix spike recoveries outside quality control criteria.

The original TPH-Gas analysis of sample labeled 76C002302 exhibited a fuel mixture at a concentration above calibration range. This sample was reanalyzed at an appropriate dilution yielding acceptable results. Both sets of data have been presented in this case submittal.

The original TPH-Gas analysis of sample labeled 76C002502 exhibited surrogate recovery of bromofluorobenzene below quality control criteria. This sample was reanalyzed yielding similar results. Both sets of data have been presented in this case submittal.

Please note the use of the following qualifiers when reporting TPH-Gas results:

Y = A fuel mixture pattern is detected, but does not fall 90% within the calibration standard range or exhibit a reasonable pattern match to any calibrated fuels.

The original TPH-Diesel analysis of sample labeled 76C001601 exhibited motor oil at a concentration above calibration range. This sample was reanalyzed at an appropriate dilution yielding acceptable results. Both sets of data have been presented in this case submittal.

The TPH-Diesel calibration check standard on the analytical sequence dated 12/21/95 exhibited an increased response resulting in percent differences outside quality control criteria.

Please note the use of the following qualifiers when reporting TPH-Gas results:

Z = An unknown single peak or chromatographic pattern was detected but does not resemble a typical fuel pattern.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Karen R. Chirgwin

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B14DEC95

002H

9039

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: SB-76C-003 SS-76C-001
Date: 11-22-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC CLP (5.136) 8010/8020 (5.125); SVOC (10.137); PAH (10.128); Pest/PCB (8.1); TPH-d (10.57); TPH-g (10.55); VOC (10.136); 8010/8020 (10.125); Herbs (8.8); Metals (9.1)

Preservation: 4°C HCl; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C HCl	4°C	VOC CLP (5.136) 8010/8020 (5.125)	SVOC (10.137)	PAH (10.128)	Pest/PCB (8.1)	TPH-d (10.57)	TPH-g (10.55)	VOC (10.136)	8010/8020 (10.125)	Herbs (8.8)	Metals (9.1)	Remarks (e.g., MS, MSD)
76C0012	11-20-95 13:00	ER FACILITY	BW	/	GVC40MLT	01 03 02 04	/	/	/	/	/	/	/	/	/	/	/	Trip Blank
76C0013	11-21-95 0810	035B1	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		0.5-1.5'
76C0014	11-21-95 0845	035B1	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		4-5'
76C0015	11-21-95 0900	035B1	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		9-10'
76C0016	11-21-95 0920	035B2	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		0.5-1.5'
76C0019	11-21-95 1015	035B3	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		1-2'
76C0020	11-21-95 1035	035B3	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		4-5'
76C0022	11-21-95 11:20	035B4	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		1-2'
76C0023	11-21-95 1335	035B4	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		4-5'
76C0025	11-21-95 1425	035B5	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		1-2'
76C0021	11-21-95 1445	035B3	SB	/	SST6IN	/	01	01	01	01	02	02	02	02	02	02		9-10'

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-22-95	13:30	Ship to Lab
	Maureen [illegible]	11/24/95	0930	

Comments/Instructions:
Trip Blank 76C0012
Rinsate Blank 76C0904
Source Blank 73W1057
76B0925
Sufficient sample has been provided for MS/MSD.

Method of Shipment: FED-EX
Airbill No.: 7924260956
Total No. of Coolers Shipped: 1

forms/cocrec

BECHTEL CLEAN II

9771

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro	Sampler's Name(s): Curtis Obi	Site Contact/Supervisor: Karrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr, Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-28-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: VOC CLP (5.136); 8010/8020 (5.125); TPH-gas (5.55); TOC (5.46); BOD (5.13)

Preservation: HCl 4°C; HCl; HCl; H_2SO_4; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B1125	11-27-95 12:00	ER FACILITY	BW	/	GVC40MLT	01 02	03 04	/	/	/	/	/	/	/	/	Trip Blank
76B1107	11-28-95 0930	02UGMW25	GW	/	GVC40MLT	01 02 03	11 12 13	08 09 10	19 20	/	/	/	/	/	/	
↓	↓	↓	↓	/	P1L	/	/	/	/	22	/	/	/	/	/	
76B1106	11-28-95 1410	02DGMW6D	GW	/	GVC40MLT	01 02 03	11 12 13	08 09 10	19 20	/	/	/	/	/	/	
↓	↓	↓	↓	/	P1L	/	/	/	/	22	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-28-95	15:06	Ship to lab
		11/29/95	0930	ANALYSIS

Comments/Instructions:
Trip Blank 76B1125
Source Blank 73W1057
76B0925
Please analyze, do not archive these samples.

Method of Shipment: FED-EX
Airbill No.: 7924260960
Total No. of Coolers Shipped: 2

forms/cocrecor d

000004

9773

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro	Sampler's Name(s): Curtis Ob.	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr., Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-28-95

Pay Items/Analyses Required: SVOC (5.137), TPH-d (5.57), Pest/PCB (3.1), Herbs (3.8), PAH (2.13), Ammonia (5.9), TKN (5.40), COD (5.16), Nitrate (5.66)

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	SVOC (5.137)	TPH-d (5.57)	Pest/PCB (3.1)	Herbs (3.8)	PAH (2.13)	Ammonia (5.9)	TKN (5.40)	COD (5.16)	Nitrate (5.66)	Remarks (e.g., MS, MSD)
Preservation						4°C	→	→	→	→	H_2SO_4	→	→	→	
Container Nos. (2 digit)						04 05	06 07	14 15	16 17	29 30	/	/	/	/	
76B1107	11-28-95 0930	02UGMW25	GW	NO	AG1L										
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	23	25	25	25	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-28-95	14:58	Ship to Lab
	[signature]	11/29/95	0930	ANALYSIS

Comments/Instructions:
Trip Blank 76B1125
Source Blank 73W1057
76B0925

Method of Shipment: FED-EX
Airbill No.: 7924260960
Total No. of Coolers Shipped: 2

forms/cocrecor

9775

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS El Toro	Sampler's Name(s): Curtis Ob.	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr, Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-28-95

Pay Items/Analyses Required: CLP Metals (4.1), TSS (5.94), Anions (5.14), Alkalinity (5.7), Nitrite (5.71), TDS (5.93), Turbidity (5.93)

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B1107	11-28-95 0930	02UGMW25	GW	NO	P1L		18	21	24	24	24	26	26	/	/	/	#18 was not filtered or preserved in the field
↓	↓	↓	↓	↓	↓		28	/	/	/	/	/	/	/	/	/	#28 was filtered and HNO_3 field preserved

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	11-28-95	14:57	Ship to Lab
	[signature]	11/29/95	0930	ANALYSIS

Comments/Instructions:
Trip Blank 76B1125
Source Blank 73W1057
76B0925

Method of Shipment: FED-EX
Airbill No.: 7924260960
Total No. of Coolers Shipped: 2

forms/cocrecor

8042

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL ~~[illegible]~~ TORO
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr.; Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-29-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required: VOC CLP (5.136); 8010/8020 (5.125); TPH-Gas (5.55); TOC (5.46); BOD (5.13)

Preservation: 4°C HCl; HCl 4°C; HCl, 4°C; H_2SO_4 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C HCl	HCl 4°C	HCl, 4°C	H_2SO_4 4°C							Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B1123 ~~1003~~ CO 11-29	11-29-95 0800	ER FACILITY	BW	NO	GVC40MLT	01 02	03 04	/	/	/	/	/	/	/	/	Trip Blank
76B1101	11-29-95 0930	02DGMW61	GW	NO	GVC40MLT	01. 02. 03	06. 07. 08	08. 09. 10	19. 20	/	/	/	/	/	/	
↓	↓	↓	↓	↓	↓	/	11. 12. 13	/	/	/	/	/	/	/	/	
						29. 30	45. 46	41. 42	54	/	/	/	/	/	/	MS
						31. 32	47. 48	43. 44	55	/	/	/	/	/	/	MSD
76B1103	11-29-95 1000	SITE 02	BW	NO	GVC40MLT	01 02. 03	04 05. 06	/	/	/	/	/	/	/	/	Field Blank
76B1104	11-29-95 1030	SITE 02	GW	NO	GVC40MLT	01. 02. 03	11. 12. 13	08. 09. 10	19. 20	/	/	/	/	/	/	
76B1101	11-29-95 0930	02DGMW61	GW	NO	P1L	/	/	/	/	22	/	/	/	/	/	
↓	↓	↓	↓	↓	↓	/	/	/	/	57	/	/	/	/	/	MS
76B1104	11-29-95 1030	SITE 02	GW	NO	P1L	/	/	/	/	22	/	/	/	/	/	
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Federal Express	11-29-95	14:15	Transport to Lab
	Maureen [illegible]	11/30/95	1000	

Comments/Instructions:
TRIP BLANK ~~76B1003~~ CO 11/29 76B1123
SOURCE BLANK 73W1057, 76B0925

Method of Shipment: Federal Express
Airbill No.: 7924260842
Total No. of Coolers Shipped: 1

I:\forms/cocrecor.doc

8026

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Curtis Obi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr.; Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-29-95

Pay Items/Analyses Required: CLP Metals (4.1); TSS (5.94); Anions (5.14); Alkalinity (5.7); Nitrite (5.71); TDS (5.93); Turbidity (5.98)

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Preservation: 4°C; 4°C; 4°C; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B1106	11-29-95 1410	02DGMW60	GW	No	P1L	18	21	24	24	24	26	26	/	/	/	#18 was not-filtered or preserved in field
↓	↓	↓	↓	↓	↓	28	/	/	/	/	/	/	/	/	/	#28 was filtered and HNO3 field preserved.
76B1101	11-29-95 0930	02DGMW61	GW	NO	P1L	18	21	24	24	24	26	26	/	/	/	#18 was NOT filtered or preserved in field
↓	↓	↓	↓	↓	↓	28	/	/	/	/	/	/	/	/	/	#28 WAS field filtered and HNO3 preserved
↓	↓	↓	↓	↓	↓	53	56	59	59	59	63	63	/	/	/	MS } #53 was NOT filtered or preserved in the field.
↓	↓	↓	↓	↓	↓	53	/	60	60	60	/	/	/	/	/	MSD }
↓	↓	↓	↓	↓	↓	66	/	/	/	/	/	/	/	/	/	MS } #66 and #67 WERE field filtered and HNO3 preserved
↓	↓	↓	↓	↓	↓	67	/	/	/	/	/	/	/	/	/	MSD }
76B1104	11-29-95 1030	SITE02	GW	NO	P1L	18	21	24	24	24	26	26	/	/	/	#18 was NOT filtered or preserved in field
↓	↓	↓	↓	↓	↓	28	/	/	/	/	/	/	/	/	/	#28 WAS field filtered and HNO3 preserved

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Federal Express	11-30-95	15:00	Transport to Lab
	[signature]	12/1/95	0930	ANALYSIS

Comments/Instructions: 76B1123
Trip Blank 76B1125, ~~76B2002~~ 11/29
Source Blank 73W1057, 76B0925

Method of Shipment: Federal Express
Airbill No.: 7924260831
Total No. of Coolers Shipped: 4

!/forms/cocrecor

CLEAN II

8020

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO	Sampler's Name(s): Curtis Obi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): Curtis Obi	

Analytical Laboratory Name: ~~Inchcape Testing Services~~
Analytical Laboratory Address: 55 South Park Dr.; Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-29-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: SVOC (5.137), TPH-D (5.57), Pest/PCB (3.1), Herbs (3.8), PAH (2.13), Ammonia (5.9), TKN (5.40), COD (5.16), Nitrate (5.66)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	SVOC (5.137)	TPH-D (5.57)	Pest/PCB (3.1)	Herbs (3.8)	PAH (2.13)	Ammonia (5.9)	TKN (5.40)	COD (5.16)	Nitrate (5.66)		Remarks (e.g., MS, MSD)
						Preservation										
						4°C	4°C	4°C	4°C	4°C	H_2SO_4	H_2SO_4	H_2SO_4	H_2SO_4	/	
						Container Nos. (2 digit)										
76B1106	11-28-95 1410	02DGMW60	GW	No	AG1L	04 05	06 07	14 15	16 17	29 30	/	/	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	23	25	25	25	/	
76B1101	11-29-95 0930	02DGMW61	GW	NO	AG1L	04 05	06 07	14 15	16 17	68 69	~~23~~ 60	~~25~~ 11/29/95	~~25~~	~~25~~	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	23	25	25	25	/	
76B1101	11-29-95 0930	02DGMW61	GW	NO	AG1L	33 34	37 38	49	51	70	/	/	/	/	/	MS
↓	↓	↓	↓	↓	AG1L	35 36	39 40	50	52	71	/	/	/	/	/	MSD
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	58	61	61	61	/	MS
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	62	62	62	/	MSD
76B1104	11-29-95 1030	SITE 02	GW	NO	AG1L	04 05	06 07	14 15	16 17	29 30	/	/	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	23	25	25	25	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Federal Express	11-29-95	15:00	Transport to Lab
		12/1/95	0930	ANALYSES

Comments/Instructions:
Trip Blank 76B1125, ~~76B2002~~ 60 11-29 76B1123
Source Blank 73W1057, 76B0925

Method of Shipment: Federal Express
Airbill No.: 7924260831
Total No. of Coolers Shipped: 4

f:/forms/cocrecor

CLEAN II

CHAIN-OF-CUSTODY RECORD

8041

Site Name: MCAS El Toro	Sampler's Name(s): Curtis Obi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr.; Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006
Date: 11-30-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required: VOC CLP (5.136); 8010/8020 (5.125); TPH-Gas (5.55); TOC (5.46); BOD (5.13)

Preservation: 4°C HCl; HCl; HCl; H_2SO_4; 4°C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	4°C HCl	HCl	HCl	H_2SO_4	4°C						Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76B1124	11-30-95 0900	QC-SITE02	BW	NO	GVC40MLT	01 02	03 04									Trip Blank
76B1105	11-30-95 1400	02DGMW59	GW	NO	GVC40MLT	01 02 03	11 12 13	08 09 10	19 20							
↓	↓	↓	↓	NO	↓					22						

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
John Levy	Federal Express	11-30-95	15:00	Transport to Lab	Trip Blank 76B1124
	[signature]	12/1/95	0930	ANALYSIS	Source Blank 73W1057, 76B0925

Method of Shipment: Federal Express
Airbill No.: 7924260831 | Total No. of Coolers Shipped: 4

l:/forms/cocre

Inchcape Testing Services
Aquatec Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

January 13, 1996

Dr. Randy Jordan
Bechtel
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905

Re: Laboratory Project Number 94227
Case No. 076; SDG No. 55357; CTO-076

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services Environmental Laboratory on December 2, 6, 7 [illegible] 1995. Laboratory numbers were assigned and are designate[illegible] [illegible]ows:

Cl[illegible]	Laboratory Number	Sample Matrix
Samples Received on December 2, 1995 ETR No. 55357		
76B110504	279998	Water
76B110505	279999	Water
76B110506	280000	Water
76B110507	280001	Water
76B110514	280002	Water
76B110515	280003	Water
76B110516	280004	Water
76B110517	280005	Water
76B110518	280006	Water
76B110521	280007	Water
76B110523	280008	Water
76B110524	280009	Water
76B110525	280010	Water
76B110526	280011	Water
76B110528	280012	Filtrate
76B110529	280013	Water
76B110530	280014	Water
76C003301	280015	Soil
76C003302	280016	Soil
76C002801	280017	Soil
76C002802	280018	Soil
76C002901	280019	Soil
76C002902	280020	Soil
76C003201	280021	Soil
76C003202	280022	Soil
76D110401	280023	Water
76D110402	280024	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on December 2, 1995 ETR No. 55357 (continued)		
76D110403	280025	Water
76D110404	280026	Water
76D110405	280027	Water
76D110406	280028	Water
76D110407	280029	Water
76D110408	280030	Water
76D110409	280031	Water
76D110410	280032	Water
76D110411	280033	Water
76D110412	280034	Water
76D110413	280035	Water
76D110414	280036	Water
76D110415	280037	Water
76D110416	280038	Water
76D110417	280039	Water
76D110418	280040	Water
76D110419	280041	Water
76D110420	280042	Water
76D110421	280043	Water
76D110422	280044	Water
76D110423	280045	Water
76D110424	280046	Water
76D110425	280047	Water
76D110426	280048	Water
76D110428	280049	Filtrate
76D110429	280050	Water
76D110430	280051	Water
76D110701	280052	Water
76D110702	280053	Water
76D110703	280054	Water
76D110704	280055	Water
76Q002201	280056	Soil
76Q002202	280057	Soil
76Q002202	280057MS	Soil
76Q002202	280057DP	Soil
76Q002401	280058	Soil
Samples Received on December 6, 1995 ETR No. 55480		
76E110101	280389	Water
76E110102	280390	Water
76E110103	280391	Water
76E110104	280392	Water
76E110105	280393	Water
76E110106	280394	Water
76E110107	280395	Water

Samples Received on December 6, 1995
ETR No. 55480 (continued)

Client Sample ID	Laboratory Number	Sample Matrix
76E110108	280396	Water
76E110109	280397	Water
76E110110	280398	Water
76E110111	280399	Water
76E110112	280400	Water
76E110113	280401	Water
76E110114	280402	Water
76E110115	280403	Water
76E110116	280404	Water
76E110117	280405	Water
76E110118	280406	Water
76E110119	280407	Water
76E110120	280408	Water
76E110121	280409	Water
76E110122	280410	Water
76E110123	280411	Water
76E110124	280412	Water
76E110125	280413	Water
76E110126	280414	Water
76E110128	280415	Filtrate
76E110129	280416	Water
76E110130	280417	Water
76E110201	280418	Water
76E110202	280419	Water
76E110203	280420	Water
76E110204	280421	Water
76E110205	280422	Water
76E110206	280423	Water
76E110301	280424	Water
76E110302	280425	Water
76E110303	280426	Water
76E110304	280427	Water
76E110305	280428	Water
76E110306	280429	Water
76E110307	280430	Water
76E110308	280431	Water
76E110309	280432	Water
76E110310	280433	Water
76E110311	280434	Water
76E110312	280435	Water
76E110313	280436	Water
76E110314	280437	Water
76E110315	280438	Water
76E110316	280430	Water
76E110317	280440	Water
76E110318	280441	Water
76E110319	280442	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on December 6, 1995 ETR No. 55480 (continued)		
76E110320	280443	Water
76E110321	280444	Water
76E110322	280445	Water
76E110323	280446	Water
76E110324	280447	Water
76E110325	280448	Water
76E110326	280449	Water
76E110328	280450	Filtrate
76E110329	280451	Water
76E110330	280452	Water
76E110901	280453	Water
76E110902	280454	Water
76E110903	280455	Water
76E110904	280456	Water
Samples Received on December 7, 1995 ETR No. 55523		
76C0905	280706	Water
76E110401	280707	Water
76E110402	280708	Water
76E110403	280709	Water
76E110408	280710	Water
76E110409	280711	Water
76E110410	280712	Water
76E110411	280713	Water
76E110412	280714	Water
76E110413	280715	Water
76E110419	280716	Water
76E110420	280717	Water
76E110422	280718	Water
76E111001	280719	Water
76E111002	280720	Water
76E111003	280721	Water
76E111004	280722	Water
76Q090901	280723	Water
76Q090902	280724	Water
76Q090903	280725	Water
76Q090904	280726	Water
76Q090905	280727	Water
76Q090906	280728	Water
76Q090907	280729	Water
76Q090908	280730	Water
76Q090909	280731	Water
76Q090910	280732	Water
76Q090911	280733	Water
76Q090912	280734	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on December 7, 1995 ETR No. 55523 (continued)		
76Q090913	280735	Water
76Q090914	280736	Water
76Q090915	280737	Water
76Q090916	280738	Water
76Q090917	280739	Water
76Q090917	280740	Filtrate
76Q090918	280741	Water
76Q090919	280742	Water
76Q090920	280743	Water
76Q110101	280744	Water
76Q110102	280745	Water
76Q110103	280746	Water
76Q110108	280747	Water
76Q110109	280748	Water
76Q110110	280749	Water
76Q110111	280750	Water
76Q110112	280751	Water
76Q110113	280752	Water
76Q110119	280753	Water
76Q110120	280754	Water
76Q110122	280755	Water
76Q110201	280756	Water
76Q110202	280757	Water
76Q110203	280758	Water
76Q110204	280759	Water
76Q110205	280760	Water
76Q110206	280761	Water
Samples Received on December 8, 1995 ETR No. 55535		
76C110201	280831	Water
76C110202	280832	Water
76C110203	280833	Water
76C110208	280834	Water
76C110209	280835	Water
76C110210	280836	Water
76C110211	280837	Water
76C110212	280838	Water
76C110213	280839	Water
76C110219	280840	Water
76C110220	280844	Water
76C110222	280845	Water
76C110229	280846MS	Water
76C110230	280847MS	Water
76C110231	280848MD	Water
76C110232	280849MS	Water

Samples Received on December 8, 1995
ETR No. 55535 (continued)

Client Sample ID	Laboratory Number	Sample Matrix
76C110241	280850MS	Water
76C110242	280851MS	Water
76C110243	280852MD	Water
76C110244	280853MD	Water
76C110245	280854MS	Water
76C110246	280855MS	Water
76C110247	280856MD	Water
76C110248	280857MD	Water
76C110254	280858MS	Water
76C110255	280859DP	Water
76C110257	280860MS	Water
76C110301	280861	Water
76C110302	280862	Water
76C110303	280863	Water
76C110304	280864	Water
76C110305	280865	Water
76C110306	280866	Water
76C110401	280867	Water
76C110402	280868	Water
76C110403	280869	Water
76C110408	280870	Water
76C110409	280871	Water
76C110410	280872	Water
76C110411	280873	Water
76C110412	280874	Water
76C110413	280875	Water
76C110419	280876	Water
76C110420	280877	Water
76C110422	280878	Water
76C110801	280879	Water
76C110802	280880	Water
76C110803	280881	Water
76C110804	280882	Water
76E110404	280883	Water
76E110405	280884	Water
76E110406	280885	Water
76E110407	280886	Water
76E110414	280887	Water
76E110415	280888	Water
76E110416	280889	Water
76E110417	280890	Water
76E110418	280891	Water
76E110421	280892	Water
76E110423	280893	Water
76E110424	280894	Water
76E110425	280895	Water
76E110426	280896	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on December 8, 1995 ETR No. 55535 (continued)		
76E110428	280897	Filtrate
76E110429	280898	Water
76E110430	280899	Water
76Q110104	280900	Water
76Q110105	280901	Water
76Q110106	280902	Water
76Q110107	280903	Water
76Q110114	280904	Water
76Q110115	280905	Water
76Q110116	280906	Water
76Q110117	280907	Water
76Q110118	280908	Water
76Q110121	280909	Water
76Q110123	280910	Water
76Q110124	280911	Water
76Q110125	280912	Water
76Q110126	280913	Water
76Q110128	280914	Filtrate
76Q110129	280905	Water
76Q110130	280906	Water
LCSW	280917	Liquid
Samples Received on December 9, 1995 ETR No. 55574		
76C110204	281143	Water
76C110205	281144	Water
76C110206	281145	Water
76C110207	281146	Water
76C110214	281147	Water
76C110215	281148	Water
76C110216	281149	Water
76C110217	281150	Water
76C110218	281151	Water
76C110221	281152	Water
76C110223	281153	Water
76C110224	281154	Water
76C110225	281155	Water
76C110226	281156	Water
76C110228	281157	Filtrate
76C110233	281158MS	Water
76C110234	281159MS	Water
76C110235	281160MD	Water
76C110236	281161MD	Water
76C110237	281162MS	Water
76C110238	281163MS	Water
76C110239	281164MD	Water

Samples Received on December 9, 1995
ETR No. 55574 (continued)

Client Sample ID	Laboratory Number	Sample Matrix
76C110240	281165MD	Water
76C110249	281166MS	Water
76C110250	281167MD	Water
76C110251	281168MS	Water
76C110252	281169MD	Water
76C110253	281170MS	Water
76C110253	281170DP	Water
76C110256	281171DP	Water
76C110258	281172MS	Water
76C110258	281172DP	Water
76C110259	281173MS	Water
76C110260	281174DP	Water
76C110261	281175MS	Water
76C110262	281176DP	Water
76C110263	281177DP	Water
76C110266	281178MS	Filtrate
76C110267	281179DP	Filtrate
76C110268	281180	Water
76C110269	281181	Water
76C110270	281182MS	Water
76C110271	281183MD	Water
76C110404	281184	Water
76C110405	281185	Water
76C110406	281186	Water
76C110407	281187	Water
76C110414	281188	Water
76C110415	281189	Water
76C110416	281190	Water
76C110417	281191	Water
76C110418	281192	Water
76C110421	281193	Water
76C110423	281194	Water
76C110424	281195	Water
76C110425	281196	Water
76C110426	281197	Water
76C110428	281198	Filtrate
76C110429	281199	Water
76C110430	281200	Water
76E110601	281201	Water
76E110602	281202	Water
76E110603	281203	Water
76E110608	281204	Water
76E110609	281205	Water
76E110610	281206	Water
76E110611	281207	Water
76E110612	281208	Water
76E110613	281209	Water

Client Sample ID	Laboratory Number	Sample Matrix
Samples Received on December 9, 1995 ETR No. 55574 (continued)		
76E110619	281210	Water
76E110620	281211	Water
76E110622	281212	Water
76E110801	281213	Water
76E110802	281214	Water
76E110803	281215	Water
76E110804	281216	Water
LCSW	281217	Liquid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first two or three characters were eliminated. The electronic deliverable contains the original client identification.

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL) with the exception of metal analyses which are reported to the IDL. The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes detected below the SQL, on a sample specific basis, are reported with a "J" qualifier indicating an estimated value. These values are also below the CRQL.

Quantitation reports for GC/MS analyses reported with Target software will display three qualifiers in the left-most column of the report. These are defined as follows:

* = Internal Standard
$ = Surrogate Standard
M = Summary compound; results for two or more isomers are reported as a total value.

Please note that liquid sample labeled 76Q0909 was received by the laboratory ten days after it had been collected. As a result, the holding times for most analyses had expired before it arrived at the lab.

The metals analysis of soil sample labeled 76Q002202 exhibited matrix spike recovery of antimony outside established control limits. Duplicate analysis of this sample for aluminum, chromium, iron, magnesium, potassium and vanadium were also outside control limits. The analysis of liquid sample 76C110253 exhibited matrix spike recovery of nickel outsite control criteria, and the filtrate sample 76C110266 exhibited matrix spike recovery of selenium outside control limits. All data have been flagged appropriately.

Four to six standard points were used to calibrate 8010/8020 volatile organic compounds. The appropriate calibration factors used for each column and compound can be found on the calibration summary form 6.

The 8010/8020 volatile organic analysis of samples analyzed on the December 11 and 15 sequences exhibited a general loss of sensitivity on the Hall Detector. This was evident in the sample surrogate recoveries below quality control criteria, and the calibration check standards with percent differences below control limits.

The identification of samples labeled 76C110202, 76C110213MS and 76C110246MSD were truncated during the original 8010/8020 volatile organic analysis to 1102, 1102MS and 1102MSD respectively, to allow for data processing by a commercial software system.

The 8010/8020 analysis of samples labeled 73E110110, 76E110202, 76E110309 and 76E110904 occurred 8-10 hours beyond the prescribed holding time. These samples were originally assigned an analysis within holding time, however a mechanical malfunction of the auto sampler precluded their analysis.

Please note the use of the following qualifiers when reporting 8010/8020 volatile organic results:

P = Greater than 25 percent difference was observed between the calculated value on two distinct analytical columns.

Please note the use of the following qualifiers when reporting PAH-8310 results:

P = Greater than 25 percent difference was observed between the calculated value on two distinct analytical columns.

Please note the use of the following qualifiers when reporting TPH-Diesel results:

Z = An unknown single peak or chromatographic pattern was detected but does not resemble a typical fuel pattern.

Four to five standard points were used to calibrate Herbicide compounds. The appropriate calibration factors used have been hand edited on calibration summary form 6.

The herbicide calibration check standards on the Rtx-1701 analytical column exhibited an increased response resulting in percent differences outside quality control criteria. The Rtx-35 column was used for quantitation in this situation.

The low level semivolatile method blank, SBLKD7, and its associated field samples, 76E110104 and 76E1110304, were concentrated to a final extract volume of 1.0 mls instead of 0.5 mls.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." A colored sheet of paper entitled "Sample Preparation Package" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact James Madison at (802) 655-1203.

Sincerely,

Karen R. Chirgwin

Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B18DEC95

BECHTEL CLEAN II

8410

CHAIN-OF-CUSTODY RECORD

000003

Site Name: MCAS EL TORO	Sampler's Name(s): William McConiha	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): William L. McConiha	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr., Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-76Q-001/22,24
Date: 12-1-95

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: 10.136/VOC's; 10.125/8010/8020; 10.137/SVOC; 10.128/PAH; 4.1/Pest. PCB; 9.8/Herbicides; 9.1/Metals; 10.55/TPH-gas; 10.57/TPH-d; 10.117/TOC; 5.73/Tetra Extra VOCs

Preservation: Cool, 4C

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	10.136/VOC's	10.125/8010/8020	10.137/SVOC	10.128/PAH	4.1/Pest. PCB	9.8/Herbicides	9.1/Metals	10.55/TPH-gas	10.57/TPH-d	10.117/TOC	5.73/Tetra Extra VOCs	Remarks (e.g., MS, MSD)
76Q0022	11-27-95 12:29	17NEW2/45-46'	SS	X	SSTG IN	02	02	01	01	01	02	02	02	01			Equip Rinseate No. 76Q0909
76Q0024	11-28-95 11:19	17NEW2/95-96'		X											01		Equip Rinseate No. 76Q0910
76C0028	11-30-95 10:26	03SB3/25.5'-26.5'				02	02	01	01	01	02	02	02	01			Equip Rinsate No. 76C0905
76C0029	11-30-95 10:33	03SB3/30.5'-31.5'				02	02	01	01	01	02	02	02	01			EQUIP. RINSEATE No 76C0905
76C0030	11-30-95 11:01	03SB3/TRIP BLANK	SW														TRIP BLANK
76C0032	11-30-95 11:22	03SB4/15.5'-16.5'	SB			02	02	01	01	01	02	02	02	01			Equip. Rinseate # 76C0905
76C0033	11-30-95 11:26	03SB4/20.5'-21.5'				02	02	01	01	01	02	02	02	01			Equip Rinseate # 76C0905

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Fed Ex	12-1-95	15:00	SHIPMENT TO LAB
		12/2/95	1100	ANALYSES

Comments/Instructions:
- Sufficient Sample Sent for MS/MSD
- Trip Blank No. - 76C0030

Method of Shipment: FED-EX
Airbill No.: 7924260816
Total No. of Coolers Shipped: 3

f:/forms/cocreocr.doc

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

9779

000004

Site Name: MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr, Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76D-001/01, 13, 25
Date: 12-1-95

Pay Items/Analyses Required: VOC CLP (5.136); 8010/8020 (5.125); TPH-g (5.55); TOC (5.46); BOD (5.13)

QC Level: C / (D) / E

TAT (in days): 2 / 7 / 14 / (30)

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4° HCl	HCl	HCl	H_2SO_4	Container Nos. (2 digit)									Remarks (e.g., MS, MSD)
76D1107	12-1-95 0800	QC-SITE 04	BW	NO	6VOC40MLT	01 02	03 04	/	/	/	/	/	/	/	/				Trip Blank
76D1104	12-1-95 0900	04UGMW63	GW	NO	6VOC40MLT	01 02 03	11 12 13	08 09 10	19 20	/	/	/	/	/	/				
↓	↓	↓	↓	↓	PIL	/	/	/	/	22	/	/	/	/	/				

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Fed Ex	12-1-95	15:00	Ship to Lab
	[signature]	12/2/95	1100	ANALYSES

Comments/Instructions:
Trip Blank 76D1107
Source Blank 73WL057
76B0925

Method of Shipment: FED-EX
Airbill No.: 7924260816
Total No. of Coolers Shipped: 3

! forms/cocrecor doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

802

000005

Site Name: MCAS EL TORO	Sampler's Name(s): Curtis Ozi	Site Contact/Supervisor: Katrina Lyons
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr.; Colchester, VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: WS-76B-006, WS-76B-007, WS-76D001
Date: 11-30-95, 12-1-95

QC Level: C | (D) | E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required: SVOC (5.137), TPH-D (5.57), Pest/PCB(3.1), Herbs (3.8), PAH (2.13), Ammonia (5.9), TKN (5.40), COD (5.16), Nitrate (5.66), //

Preservation: 4°C, 4°C, 4°C, 4°C, 4°C, H_2SO_4, H_2SO_4, H_2SO_4, H_2SO_4, //

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Container Nos. (2 digit)										Remarks (e.g., MS, MSD)
76B1105	11-30-95 1400	02DGMW59	GW	No	AG1L	04 05	06 07	14 15	16 17	29 30	/	/	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	23	25	25	25	/	
76D1104	12-1-95 0900	04UGMW63	↓	↓	AG1L	04 05	06 07	14 15	16 17	29 30	/	/	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	23	25	25	25	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Federal Express	12-1-95	15:00	Transport to Lab
	[signature]	12/2/95	1100	ANALYSIS

Comments/Instructions:
Trip Blank 76B1124, 76D1107
Source Blank 73W1057, 76B0925

Method of Shipment: Federal Express
Airbill No.: 7924260816
Total No. of Coolers Shipped: 3

f:\forms\cocrecor.doc

CLEAN II

8030

000006

CHAIN-OF-CUSTODY RECORD

Site Name: ~~IRR~~ MCAS El Toro
CTO Number: 076

Sampler's Name(s): Curtis Obi
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Dr.; Colchester, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76B-006, WS-76B-007, WS-76D-001
Date: 11-30-95, 12-1-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	CLP Metals (4.1)	TSS (5.94)	Anions (5.14)	Alkalinity (5.7)	Nitrite (5.71)	TDS (5.93)	Turbidity (5.98)				Remarks (e.g., MS, MSD)
Preservation						4°C										
Container Nos. (2 digit)																
76B1105	11-30-95 1400	02DGMW59	GW	No	P1L	18	21	24	24	24	26	26	/	/	/	#18 was not filtered or preserved in field
↓	↓	↓	↓	↓	↓	28	/	/	/	/	/	/	/	/	/	#28 was filtered and HNO3 field preserved
76D1104	12-1-95 0900	04UGMW63	↓	↓	↓	18	21	24	24	24	26	26	/	/	/	#18 was NOT field filtered or preserved
↓	↓	↓	↓	↓	↓	28	/	/	/	/	/	/	/	/	/	#28 WAS field filtered and HNO3 preserved

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Federal Express	12-1-95	15:00	Transport to Lab
	[signature]	12/2/95	1100	ANALYSIS

Comments/Instructions:
Trip Blank 76B1124, 76D1107
Source Blank 73W1057, 76B0925

Method of Shipment: Federal Express
Airbill No.: 7924260816
Total No. of Coolers Shipped: 3

f:\forms\cocrecor.doc

CL N II

842(

CHAIN-OF-CUSTODY RECORD

000007

Site Name: NCAS EL TORO	Sampler's Name(s): Dennis Parker / Will McConnie	Site Contact/Supervisor: KATRINA LYONS
CTO Number: 076	Sampler's Signature(s): Dennis Parker / Will McConnie	

Analytical Laboratory Name: INCH SCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR, COLCHESTER, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76E-001 / p24-29
Date: 5 DECEMBER 1995

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Ray Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	CLP Metals (4.1)	TSS (5.04)	Anions (5.14)	Alkalinity (5.7)	Nitrite (5.71)	TDS (5.43)	Turbidity (5.98)	Dissolved Metals (4.1)			Remarks (e.g., MS, MSD)
Preservation						4°C	4°C	4°C	4°C	4°C	4°C	4°C	4°C HNO3			
Container Nos. (2 digit)																
76E1101	12-5-95 0915	05DBMW41	GW	NO	P1L	18	21	24	24	24	26	26				
76E1101	12-5-95 0915	05DBMW41	GW	NO	P1L								28			Field Filtered
76E1103	12-5-95 0935	SITE 5	GW	NO	P1L	18	21	24	24	24	26	26				
76E1103	12-5-95 0935	SITE 5	GW	NO	P1L								28			Field Filtered

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FEDERAL EXPRESS	12-5-95	15:00	SHIP TO LAB
	[illegible]	12/6/95	0930	ANALYSIS

Comments/Instructions: SOURCE BLANK: 76B0905, 73W1057

Method of Shipment: Federal Express

Airbill No.: 7924260820

Total No. of Coolers Shipped: 3

I:/forms/cocrecor.doc

8424

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: NCAS EL TORO	Sampler's Name(s): Dennis Parker / Will McConihe	Site Contact/Supervisor: KATRINA LYONS
CTO Number: 076	Sampler's Signature(s):	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76E-001 / p 24-29
Date: 5 DECEMBER 1995

Pay Items/Analyses Required: VOC CLP (5.136), 8010/8020 (5.125), TPHg (5.155), TOC (5.46), BOD (5.13)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: HCl 4°C			4°C H2SO4	4°C						Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
76E1101	12-5-95 0915	05DBMW41	GW	NO	6VOAMLT	01 02 03	11 12 13	08 09 10	19 20							
76E1101	12-5-95 0915	05DBMW41	GW	NO	P1L					22						
76E1103	12-5-95 0935	SITE 5	GW	NO	6VOAMLT	01 02 03	11 12 13	08 09 10	19 20							
76E1103	12-5-95 0935	SITE 5	GW	NO	P1L					22						
76E1102	12-5-95 1000	05DBMW41 / Field Blank	BW	NO	6VOAMLT	01 02 03	04 05 06									Field Blank
76E1109	12-5-95 0845	05DBMW41 / TRIP BLANK	BW	NO	6VOAMLT	01 02	03 04									Trip Blank

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Federal Express	12-5-95	15:00	Ship to Lab
		12/6/95	0930	ANALYSIS

Comments/Instructions:
Source blank: 73W1057, 76B0925
TRIP BLANK: 76E1109

Method of Shipment: FEDERAL EXPRESS
Airbill No.: 7924260820
Total No. of Coolers Shipped: 3

1/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

842

600009

Site Name: MCAS EL TORO CTO Number: 076	Sampler's Name(s): Dennis Parker / Will McConihe Sampler's Signature(s): [signature]	Site Contact/Supervisor: KATRINA LYONS

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76E-001 / p24-29
Date: 5 DECEMBER 1995

QC Level: C (D) E

TAT (in days): 2 | 7 | 14 | (30)

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	SVOC (5.137)	TPH-d (5.57)	Pest-PCB (3.1)	Herb. (3.8)	PAH (2.13)	Ammonia (5.9)	TKN (5.4)	COD (5.16)	Nitrate (5.66)	Remarks (e.g., MS, MSD)
					Preservation	4°C	→	→	→	→	4°C H_2SO_4	→	→	→	
					Container Nos. (2 digit)										
76E1101	12-5-95 0915	05DBMW41	GW	No	AGIL	04 05	06 07	14 15	16 17	29 30					
76E1101	12-5-95 0915	05DBMW41	↓	↓	PIL						23	25	25	25	
76E1103	12-5-95 0935	SITE 5	↓	↓	AGIL	04 05	06 07	14 15	16 17	29 30					
76E1103	12-5-95 0935	SITE 5	↓	↓	PIL						23	25	25	25	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FEDERAL EXPRESS	12-5-95	15:00	SHIP TO LAB
	[signature]	12/6/95	0930	ANALYSES

Comments/Instructions: SOURCE BLANK: 73W1057, 76B0905

Method of Shipment: FEDERAL EXPRESS

Airbill No.: 7924260820 Total No. of Coolers Shipped: 3

1/forms/cocrecor.doc

CLEAN II

CHAIN-OF-CUSTODY RECORD

8019

000010

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): CHUCK STULTZ
Sampler's Signature(s):

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park Drive, Colchester VT 05446
Field QC Package Number: NA Crew 2
Field Logbook/Page Number: 076-SS-003/017, 047
Date: 11-30-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: (5.136) VOC CLP; (5.125) 8010/8020; (5.137) SVOC; (5.128) PAH-SIM; (5.57) TPH DIESEL; (3.1) PEST/PCB; (3.8) HERBICIDE; (4.1) CLP METALS; (5.55) TPH GAS

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	HCl	HCl	NONE						HCl	X	Remarks (e.g., MS, MSD)
						Preservation										
						Container Nos. (2 digit)										
76C0905	11-30-95 08:00	03SB1	BW	YES	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/	
↓	↓	↓	↓	↓	AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	/	/	/	17	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Lowy	Fed Ex	12-6-95	15:00	Ship To Lab
		12/7/95	0930	ANALYSES

Comments/Instructions: Equipment Rinsates / Soil Borings

Method of Shipment: FED-EX

Airbill No.: 7924260783

Total No. of Coolers Shipped: 2

f:\forms/cocrecor.doc

BECHTEL CE .N II

CHAIN-OF-CUS JDY RECORD

842

000011

Site Name: MCAS EL TORO	Sampler's Name(s): Dennis Parker	Site Contact/Supervisor: KATRINA LYONS
CTO Number: 076	Sampler's Signature(s): [signature]	

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
Analytical Laboratory Address: 55 S. PARK DR., COLCHESTER, VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76E-001 p31-32
Date: 12-6-95

Pay Items/Analyses Required: VOC CLP (5.126), 8010/8020 (5.125), TPH-G (5.55), TOC (5.46), BOD (5.13)

QC Level: C D E

TAT (in days): 2 7 14 30

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	Preservation: 4°C HCL	→	4°C HCL	4°C	Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)				
76E1104	12-6-95 0905	05DBMW67	GW	NO	GVC40MLT	01 02 03	11 12 13	08 09 10	19 20	
76E1104	12-6-95 0905	05DBMW67	GW	NO	P1L				22	
76E1110	12-6-95 0800	TRIP BLANK	BW	NO	GVC40MLT	01 02	03 04			

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FEDERAL EXPRESS	12-6-95	15:00	TRANSPORT TO LAB
	[signature]	12/7/95	0930	ANALYSIS

Comments/Instructions: SOURCE BLANK: 73W1057, 76B0425
TRIP BLANK!

Method of Shipment: FEDERAL EXPRESS
Airbill No.: [redacted]4260783
Total No. of Coolers Shipped: 2

7924260783

I:\forms\cocrecor.doc

9769

000012

CLEAN II

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO
CTO Number: 076

Sampler's Name(s): Dennis Parker
Sampler's Signature(s): [signature]

Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 South Park DR., Colchester, VT 05446
Field QC Package Number: N/A CREW 2
Field Logbook/Page Number: 076-SS-003/015, 045
Date: 11-27-95

QC Level: C | D | E

TAT (in days): 2 | 7 | 14 | 30

Pay Items/Analyses Required

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	(5.136) VOC CLP	(5.125) 8010/8020	(5.137) SVOC	(5.128) PAH-SIM	(5.57) TPH DIESEL	(3.1) PEST/PCB	(3.8) HERBICIDE	(3.2) CLP METALS	(5.55) TPH GAS	Remarks (e.g., MS, MSD)
Preservation						HCl	HCl	NONE					HCl		
76Q0909	11-27-95 08:15	17 NEW 2	BW	NO	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	18 19 20	/
					AG1L	/	/	07 08	09 10	11 12	13 14	15 16	/	/	/
					P1L	/	/	/	/	/	/	/	17	/	/

~~Please filter and preserve at lab~~ JAL 12-6-95

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	Fed Ex	12-6-95	15:00	Ship To Lab
	[signature]	12/7/95	0930	ANALYSIS

Comments/Instructions: Equipment Rinsates

Method of Shipment: FED-EX

Airbill No.: 7924260783

Total No. of Coolers Shipped: 2

forms/cocrecor doc

BECHTEL CLEAN II

CHAIN-OF-CUSTODY RECORD

9 Continue

Site Name: MCAS El Toro CTO Number: 076	Sampler's Name(s): Curtis Oh Sampler's Signature(s): Curtis Oh	Site Contact/Supervisor: Katrina Lyons

Analytical Laboratory Name: Inchcape Testing Services
Analytical Laboratory Address: 55 S. Park Dr, Colchester VT 05446
Field QC Package Number: NA
Field Logbook/Page Number: WS-76Q-001 WM-76Q-001
Date: 12-6-95

QC Level: C D E

TAT (in days): 2 7 14 30

Pay Items/Analyses Required: VOC CLP (5.136); 8010/8020 (5.125); TPH-gas (5.35); TOC (5.46); BOD (5.13)

Preservation: 4°C HCl; H_2SO_4

Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	VOC CLP (5.136)	8010/8020 (5.125)	TPH-gas (5.35)	TOC (5.46)	BOD (5.13)						Remarks (e.g., MS, MSD)
						Container Nos. (2 digit)										
~~76Q1105~~	~~12-6-95 0800~~	~~17DGMW82~~	~~BW~~	~~NO~~	~~GVC40MLT~~	~~01 02~~	~~03 04~~	/	/	/	/	/	/	/	/	~~Trip Blank~~
76Q1102	12-6-95 08:00	17DGMW82	BW	NO	GVC40MLT	01 02 03	04 05 06	/	/	/	/	/	/	/	/	Field Blank
76Q1101	↓	↓	GW	↓	↓	01 02 03	11 12 13	08 09 10	19 20	/	/	/	/	/	/	
↓	↓	↓	↓	↓	P1L	/	/	/	/	22	/	/	/	/	/	

Relinquished By	Received By	Date	Time	Reason for Transfer
John Levy	FED-EX	12-6-95	15:00	Ship To Lab
		12/7/95	0930	ANALYSIS

Comments/Instructions:
Trip Blank 76Q1105
Field Blank 76Q1102
Source Blank 73W1057
76B092S

Method of Shipment: FED EX
Airbill No.: 7924260783
Total No. of Coolers Shipped: 2

t:\forms\cocrecor.doc