

To: Chris Potter, Administrative Records Coordinator, SWDIV

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

Additional Information for Administrative Record Inputting:

- CTO-65
- Doc. Type = MISC
- EPA Cat. No. = 3.2
- Subject: Chain of Custody Records for the Final Addendum to the RCRA Facility Assessment MCAS El Toro (Volume 6 of the Final RFA Report) (reference Doc. No. 001509)

Operable Units/Sites: SWMUs



Inchcape Testing Services

Aquatec Laboratories

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

July 13, 1995

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

Re: Aquatec Project Number 94227
Case No. 065; SDG No. 51761; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on June 9 and 14, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
Samples Received on June 9, 1995 ETR No. 51761		
065000301	259886	Soil
065000401	259887	Soil
065000501	259888	Soil
065000601	259889	Water
065000602	259890	Water
065000801	259891	Water
065000802	259892	Soil
065000902	259893	Soil
065001002	259894	Soil
065001102	259895	Soil
065001401	259896	Water
065001402	259897	Water
065001602	259898	Soil
065001702	259899	Soil
065001802	259900	Soil
LCSS	263083	Solid

Samples Received on June 14, 1995
ETR No. 51897

065001901	260991	Water
065001903	260992	Water
065001904	260993	Water
065002001	260994	Water
065002102	260995	Water
065002202	260996	Water

<u>Client Sample ID</u>	<u>Laboratory Lab No.</u>	<u>Sample Matrix</u>
Samples Received on June 14, 1995 ETR No. 51897 (continued)		
065002302	260997	Water
065002502	260998	Water
065002602	260999	Water
065002801	261000	Water
HB	261001	Water

Samples Received on June 15, 1995 ETR No. 51911		
065001902	261074	Water
065002802	261075	Water
065002803	261076	Water
065002804	261077	Water
065002805	261078	Water
065002901	261079	Water
065003102	261080	Soil
065003202	261081	Soil
065003301	261082	Water
065003402	261083	Soil
065003402	261083D1	Soil
065003502	261084	Soil
065003502	261084D1	Soil

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three digits (CTO no.) 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.

Samples in this sample delivery group (SDG) were received over a one week period. An additional week elapsed before more samples were received from the same site. Therefore, the SDG was closed with less than twenty samples, as stipulated by the CLP Statement of Work. No matrix spike/matrix spike duplicate samples were

Dr. Randy Jordan
July 13, 1995
Page 3

received before the SDG had closed. When the laboratory discovered this anomaly, holding times on the original samples had expired, so no further analyses were initiated. Blank spike samples have been presented with the PCB and Polynuclear Aromatic Hydrocarbon (PAH) fractions of this case submittal.

The low-level Polynuclear Aromatic Hydrocarbon analysis of samples 065001901 and 065000602 exhibited surrogate recovery of chrysene-d₁₂ outside quality control criteria. Blank spike sample labeled LCSS exhibited matrix spike recovery of fluoranthene, pyrene, chrysene and benzo(k)fluoranthene above control limits.

The PCB analysis of samples labeled 065000601, 065000801 and 065000902 exhibited surrogate recovery of decachlorobiphenyl below quality control criteria.

Please note the use of the following additional qualifiers when reporting PCB results:

P = Greater than 25 percent difference in calculated value was observed between two analytical columns.

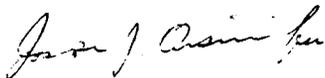
C = Presence of the reported compound has been confirmed by mass spectral analysis.

The original PCB analysis of samples 065003402 and 065003502 exhibited target compounds above calibration range. These samples were reanalyzed at appropriate dilutions yielding acceptable results. Both sets of data have been presented in this case submittal.

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
Laboratory Operations Director

KRC/jg

Enclosure

94227B22JUN95

00002A



CHAIN-OF-CUSTODY RECORD

2
8714 *Lord*

Site Name: MCAS El Toro — RFA Sampler's Name(s): Jacques Lord Site Contact/Supervisor: Jacques Lord
 CTO Number: 0065 Sampler's Signature(s): *Jacques Lord*

Analytical Laboratory Name: INCHCAPE
 Analytical Laboratory Address: 55 So. Park Dr., Colchester VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: 065-SS-001 / 017-019
 Date: 6-8-95

Pay Items/Analyses Required

9.2 / PCBs	10.128 / PAHs	3.2 / PCBs	5.128 / PAHs
None	None	None	None

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)
						None	None	None	None	
✓ 0650014	6-8-95 09:25	RINSEAGE	Analyte-Free WATER	01,02	1L amber Glass					Rinseage
✓ 0650016	6-8-95 10:59	039H3 2'±2.5'	SOIL	—	6-ouch SS sleeve			02 02		
✓ 0650017	6-8-95 11:15	039H3 5'-SS'	SOIL	—	6-ouch SS sleeve			02 02		
✓ 0650018	6-8-95 11:30	039H3 8'±8.5'	SOIL	—	6-ouch SS sleeve			02 02		
Empty rows										

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<i>Jacques Lord</i>	FEDEX	6-8-95	1530	shipment	
<i>Lore R. Chign</i>		6/19/95	0930		
					Method of Shipment: <u>Fed-Ex Overnight</u>
					Airbill No.: <u>5511512274</u> Total No. of Coolers Shipped: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

871¹/₃ 6/8/95

1000003

Site Name: <u>MCAS EL TORO - RFA</u>	Sampler's Name(s): <u>Jacques Lord</u>	Site Contact/Supervisor: <u>Jacques Lord</u>
CTO Number: <u>0065</u>	Sampler's Signature(s): <u>[Signature]</u>	

Analytical Laboratory Name: INCH SCI
 Analytical Laboratory Address: 55 So. Park Dr., Colchester VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: 065-55-001 / 009-015
 Date: 6-7-95

Pay Items/Analyses Required

None									
None									

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)
✓ 0650003	6-7-95 11:30	171H1 2'-2.5'	SOIL	—	6inch SS sleeve	01	
✓ 0650004	6-7-95 11:45	171H1 5'-5.5'	SOIL	—	↓	01	
✓ 0650005	6-7-95 12:01	171H1 8'-8.5'	SOIL	—	↓	01	
✓ 0650006	6-7-95 13:30	DECON FACILITY	Analyte-Free WATER	—	1 LITER AMBER GLASS	01 02	RINSEATE
✓ 0650008	6-7-95 14:30	DECON FACILITY	Analyte-Free WATER	—	1 LITER AMBER GLASS	01 02	SOURCE BLANK
✓ 0650009	6-7-95 15:10	088H3	SOIL	—	6inch SS sleeve	02	
✓ 0650010	6-7-95 15:55	088H3	SOIL	—	↓	02	
✓ 0650011	6-7-95 16:20	088H3	SOIL	—	↓	02	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>[Signature]</u>	<u>FEDEX</u>	<u>6-8-95</u>	<u>1530</u>	<u>Shipment</u>	
	<u>Kare R. Chign</u>	<u>6/9/95</u>	<u>0930</u>		
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5511512274</u> Total No. of Coolers <u>5</u> d: <u>1</u>

CHAIN-OF-CUSTODY RECORD

8715

Site Name: MCAS- EL TORO Sampler's Name(s): W. McConihe / J LEAR Site Contact/Supervisor: Jacques Lord
 CTO Number: 0065 Sampler's Signature(s): W. McConihe / J Lear

Analytical Laboratory Name: INCHCAPE
 Analytical Laboratory Address: 55 So. Park Dr., Colchester VT 05446
 Field QC Package Number: NA
 Field Logbook/Page Number: SS-065-SS-001 / 019-027
 Date: 6-12-95

Pay Items/Analyses Required

N/A	N/A	HCL	Preservation	N/A	N/A
5.128 PAHs	5.57 TPH	1.1 VOCs		8.2 PCBs	10.57 TPH/SS/Sludge

QC Level

<u>C</u>	<u>D</u>	<u>E</u>
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 TAT (in days)

<u>2</u>	<u>7</u>	<u>14</u>	<u>30</u>
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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)	
						N/A	N/A	HCL	Preservation	N/A	N/A		
0650019	6-12-95 0940	DECON FACILITY	Analyte Free Water		Glass	01	02	03	04	01	02	02	Rinsette
0650020	6-12-95 0910	DECON FACILITY	Water		40 ml VOA					01			Trip Blank
0650021													
0650024	6-12-95 1116	260H3	SOIL		6in SS sleeve						02		
0650022	6-12-95 1240	260H4	SOIL								02		
0650023	6-12-95 1600	088H6	SOIL								02		
0650025	6-12-95 1635	088H5	SOIL								02		
0650026	6-12-95 1644	088H9	SOIL								02		

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>Jacques Lord</u>	<u>FedEx AIRBILL 5511512300</u>	<u>6-13-95</u>	<u>1515</u>	<u>SHIPMENT</u>	<u>* SEE REVISED COFC FAXED 6/14/95.</u>
	<u>* [Signature]</u>	<u>6/14/95</u>	<u>0930</u>	<u>ANALYSES</u>	
					Method of Shipment: <u>FedEx Overnight</u>
					Airbill No.: <u>5511512300</u> Total No. of Coolers Shipped: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

8715

000006

Site Name: <u>MCAS - EL TORO</u>	Sampler's Name(s): <u>W. W. HARRIS / J. LEAR</u>	Site Contact/Supervisor: <u>JANET LEAR</u>
CTO Number: <u>0665</u>	Sampler's Signature(s): <u>[Signatures]</u>	

Analytical Laboratory Name: INCHCAPE
 Analytical Laboratory Address: 55 So Park Dr., Colchester VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: 55-065-55-001 / 019-027
 Date: 6-12-95

Pay Items/Analyses Requested

5-128 PAHS	5-57 TRH	1-1 VOCs	3-2 PCBs	8-2	14-57 TRH/MSD
N/A	N/A	HCL	NA	N/A	N/A

Preservation: N/A

TAT (in days): 2 7 14 30

CODE: Q D E

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)
0650019	6-12-95 0910	DECON FACILITY	Amber Jar		Gloss	01 02	Present
0650020	6-12-95 0910	DECON FACILITY	Water		40 ml Jar	01	Trip Blank
0650021							
0650022	6-12-95 1116	260H3	SOIL		6" SS sleeve	02	
0650023	6-12-95 1240	260H4	SOIL			02	
0650024	6-12-95 1600	088H6	SOIL			02	
0650025	6-12-95 1635	088H5	SOIL			02	
0650026	6-12-95 1644	088H9	SOIL			02	
0650028	6-13-95 0910	DECON FACILITY	Amber Jar		1L Amber	01	NOTE: SAMPLE 06500289 WAS IN SHIPMENT, ADDED TO LOG ON 6-14-95

Relinquished By	Received By	Date	Time	Reason for Transfer
<u>[Signature]</u>	<u>VED EX ORBITL 551512300</u>	6-13-95	1515	SHIPMENT
	<u>[Signature]</u>	6-14-95	0930	ANALYSIS

Post-It™ brand fax transmittal memo 7571 # of pages: 1

To: <u>JIM MADISON</u>	From: <u>JANET LEAR</u>
Co: <u>INCHCAPE</u>	Co: <u>BECHTEL</u>
Dept:	Phone: <u>(714) 733-9132</u>
Fax: <u>(802) 655-1248</u>	Fax: <u>(714) 733-0680</u>

Method of Shipment: FedEx Overnight
 Airtel No.: 551512300 Total No. of Coolers Shipped: 1



CHAIN-OF-CUSTODY RECORD

8716

200000

Site Name: MCAS EL TORO - RFA
CTO Number: 0065

Sampler's Name(s): W. McCONIHE / J. LEAR
Sampler's Signature(s): W. McConihe / J. Lear

Site Contact/Supervisor:
JACQUES LORD

Analytical Laboratory Name: INCHCAPE
Analytical Laboratory Address: 55 So. Park Dr., Colchester VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-065-001 / 028-037
Date: 6-14-95

Pay Items/Analyses Required

QC Level:

C	D	E
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TAT (in days):

2	7	14	30
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Diagonal markings: 3.2 PCBs, 5.57 TPH, 7.2 PCBs

Preservation:

NA	NA	NA
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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 0650028	6-13-95 0940	DECON FACILITY	Analyte Free Water	02 03 05 05	GLASS	01	RINSEATE
X 0650029	6-13-95 1030	DECON FACILITY	Water	01	40 ML VBA		
0650031	6-13-95 1234	088H10	SOIL	---	6 in SS sleeve	02	
0650032	6-13-95 1300	088H11	SOIL	---	6 in SS sleeve	02	
0650034	6-14-95 1004	088H14	SOIL	---	6 in SS sleeve	02	
0650035	6-14-95 1030	088H13	SOIL	---	6 in SS sleeve	02	
0650033	6-14-95 0830	DECON FACILITY	ANALYTE FREE WATER	---	1L amber GLASS	01	RINSEATE
X 0650032	6-14-95 0910	DECON FACILITY	"	---	1L amber GLASS	02	Rinseate

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>J. Lear</u>	<u>FEDEX AIRBILL NO. 5511512311</u>	<u>6-14-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>6/14/95</u>	<u>1000</u>		
					Method of Shipment: <u>Fed-Ex Overnight</u>
					Airbill No.: <u>5511512311</u> Total No. of Coolers Spilled: <u>0</u>



Inchcape Testing Services

Aquatec Laboratories

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

July 12, 1995

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

Re: Aquatec Project Number 94227
Case No. 065; SDG No. 52053; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on June 23, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
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Samples Received on June 23, 1995
ETR No. 52053

065008101	262096	Water
065008201	262097	Water
065008401	262098	Water
065008501	262099	Water
065008501	262099MS	Water
065008501	262099MD	Water
065008601	262100	Water
065008701	262101	Water
LCSS	262102	

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three digits (CTO no.) were eliminated. The electronic deliverable contains the original client identification.

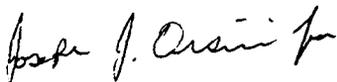
Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL). The SQL is derived for each analysis based on the low standard point and a calculation which considers the volume of sample used and its final extract concentration. Analytes 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.

Dr. Randy Jordan
July 12, 1995
Page 2

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
Laboratory Operations Director

KRC/jg

Enclosure

94227B10JUL95



CLEAN II

8717

CHAIN-OF-CUSTODY RECORD

Site Name: MCA5 EL TORO - RFA
CTO Number: 0065

Sampler's Name(s): JACQUES LORD / W. MCCORMICK
Sampler's Signature(s): Jacques Lord / W. McCormick

Site Contact/Supervisor: JACQUES LORD

Analytical Laboratory Name: INCHCAPE
Analytical Laboratory Address: 55 SO. PARK DR., COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 065/SS-008 / 082-087
Date: 6-22-95

Pay Items/Analyses Required

QC Level: C D E

TAT (in days): 2 7 14 30

None 02 PCBs 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)
<u>0650082</u>	<u>6-22-95 1048</u>	<u>088H11</u>	<u>SOIL</u>	<u>—</u>	<u>6 IN SS SLEEVE</u>	<u>01</u>	
<u>0650083</u>	<u>6-22-95 1110</u>	<u>088H5</u>	↓	<u>—</u>	↓	<u>01</u>	
<u>0650084</u>	<u>6-22-95 1146</u>	<u>088H23</u>	↓	<u>—</u>	↓	<u>01</u>	
<u>0650085</u>	<u>6-22-95 1214</u>	<u>088H8</u>	↓	<u>—</u>	↓	<u>01</u>	
<u>0650086</u>	<u>6-22-95 1330</u>	<u>088H13</u>	↓	<u>—</u>	↓	<u>01</u>	
<u>0650087</u>	<u>6-22-95 1341</u>	<u>088H13</u>	↓	<u>—</u>	↓	<u>01</u>	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>Jacques</u>	<u>FEDER AIRBILL 5962295301</u>	<u>6-22-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>h h</u>	<u>6/23/95</u>	<u>0930</u>	<u>ANALYSIS</u>	
					Method of Shipment: <u>FEDER OVERNIGHT</u>
					Airbill No.: <u>5962295301</u> Total No Coolers <u>1</u>

8717



CLEAN II

CHAIN-OF-CUSTODY RECORD

PAGE: 01

Site Name: MCAS EL TORO - REN Sampler's Name(s): JACQUES LORD/W. MCCOYNE Site Contact/Supervisor: JACQUES LORD
 OC Number: 1065 Sampler's Signature(s): [Signature]

Physical Laboratory Name: INCHCAPE
 Physical Laboratory Address: 25 SO. PARK DR., COLCHESTER VT 05696
 Field OC Package Number: N/A
 Field Logbook/Page Number: 065-55-008 / 052-087
 Date: 6-22-95

Pay Rem/Analysis Required:
 Location: INCHCAPE
 IAT (Day): 27/14/30

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)
0650082	6-22-95 1048	088H11	SYL	---	6.0V SS SLEEVE 01	01	6-26-95
0650083	6-22-95 1110	088H5	---	---	---	01	---
0650084	6-22-95 1116	088H23	---	---	---	01	---
0650085	6-22-95 1319	088H8	---	---	---	01	---
0650086	6-22-95 1330	088H13	---	---	---	01	---
0650087	6-22-95 1341	088H13	---	---	---	01	---

FAX Memo
 Date: 6-26-95 Time: ---
 To: JIM MADISON
 Location: INCHCAPE
 FAX #: (802) 665-1249
 From: JANET LEAR
 Location: MCAS EL TORO
 FAX: --- Phone: (814) 733-9130

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions
<u>[Signature]</u>	<u>FEDEX AIRBILL 5912295301</u>	<u>6-22-95</u>	<u>1515</u>	<u>SHIPMENT</u>	<u>* SAMPLE NOT INCLUDED IN SHIPMENT</u>
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No: <u>5962295301</u> Total No. of Coolers Shipped: <u>---</u>

JUN-26 95 08:30 FROM: BECHTEL MCAS EL TORO 714-733-0680



CLEAN II

CHAIN-OF-CUSTODY RECORD

8718

300000

Site Name: MCAS EL TORD - RFA
CTO Number: 0065

Sampler's Name(s): J. LEAL / W. MCCONNHE
Sampler's Signature(s): [Signature]

Site Contact/Supervisor: JACQUES LORD

Analytical Laboratory Name: INCHCAPE
Analytical Laboratory Address: 55 SO. PARK DR., COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: 005-SS-003 / 081
Date: 6-22-95

Pay Items/Analyses Required

None		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)
065008101	6-22-95 0830	DECON FACILITY	ANALYTE FREE WATER	-	1 L AMBER GLASS	01	Rinse etc
Empty rows crossed out with a large X							

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>[Signature]</u>	<u>FEDEX AIRBILL 5962295301</u>	<u>6-22-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>6/23/95</u>	<u>0930</u>	<u>ANALYSES</u>	
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5962295301</u> Total No. of Coolers used: <u>1</u>



Inchcape Testing Services

Aquatec Laboratories

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

July 17, 1995

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

Re: Aquatec Project Number 94227
Case No. 065; SDG No. 52096; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on June 27, 29 and 30, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
-----------------------------------	-------------------------------------	--------------------------------

Samples Received on June 27, 1995
ETR No. 52096

065008301	262416	Soil
065009102	262417	Soil
065009102	262417MS	Soil
065009102	262417MD	Soil
065009202	262418	Soil
065009302	262419	Soil
065009402	262420	Soil
LCSS	262422	Solid

Samples Received on June 29, 1995
ETR No. 52144

065009602	262628	Soil
065009702	262629	Soil

Samples Received on June 29, 1995
ETR No. 52192

065005202	262795	Soil
065005202	262795D1	Soil
065005302	262796	Soil
065005402	262797	Soil
065005502	262798	Soil
065005602	262799	Soil
065005702	262800	Soil
065005802	262801	Soil

Dr. Randy Jordan
July 17, 1995
Page 2

<u>Client Sample ID</u>	<u>Laboratory Lab No.</u>	<u>Sample Matrix</u>
Samples Received on June 29, 1995 ETR No. 52192 (continued)		
065005902	262802	Soil
065006202	262803	Soil
065006402	262804	Soil
065006402	262804D1	Soil

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three digits (CTO no.) 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). 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.

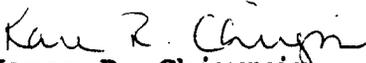
Please note the use of the following additional qualifier when reporting pesticide/PCB results:

C = The reported compound has been confirmed using mass-spectral analysis.

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
Laboratory Operations Director

KRC/jg

Enclosure

94227B10JUL95

0002

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO - RFA Sampler's Name(s): J LEAR / W MCCONNHE Site Contact/Supervisor: JACQUES LORD
 CTO Number: 0065 Sampler's Signature(s): J Lear / W. McConihe

Analytical Laboratory Name: MCAS EL TORO VT 05440 INCHCAPE
 Analytical Laboratory Address: 55 SO. PARK DR., COLCHESTER VT 05440
 Field QC Package Number: N/A
 Field Logbook/Page Number: 85-065-003 / Pg 083, Pg 091-094
 Date: 6-26-95

Pay Items/Analyses Required

QC Level	C	D	E
TAT (in days)	2	7	14 / 30

Preservation

Container Nos. (2 digit)

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)
+ 0650083	6-22-95 110	088H5	SOIL	—	6 IN SS SLEEVE	01	<div style="writing-mode: vertical-rl; transform: rotate(180deg);">None B.L. / P.O.B.s</div>
+ 0650091	6-26-95 1048	088H25	SOIL	—	↓	02	
+ 0650092	6-26-95 1103	088H25	SOIL	—	↓	02	
+ 0650093	6-26-95 1123	088H26	SOIL	—	↓	02	
+ 0650094	6-26-95 1138	088H26	SOIL	—	↓	02	
<div style="font-size: 2em; opacity: 0.5;">X</div>							

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>J Lear</u>	<u>FED EX AIRBILL</u> <u>5962295474</u>	<u>6-26-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>N/A</u>	<u>6/27/95</u>	<u>0930</u>	<u>ANALYSIS</u>	
					Method of Shipment: <u>FED EX OVERNIGHT</u>
					Airbill No.: <u>5962295474</u> Total No. of Coolers: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

8722

000004

Site Name: <u>NCAS EL TORO - RFA</u>	Sampler's Name(s): <u>J. LEAR / W McCONNIE</u>	Site Contact/Supervisor: <u>JACQUES LORD</u>
CTO Number: <u>0065</u>	Sampler's Signature(s): <u>[Signature]</u>	

Analytical Laboratory Name: TIDHOPE TESTING SERVICES
 Analytical Laboratory Address: 55 SO. PARK DR, COLCHESTER VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: 55-065-013 / 096-097
 Date: 6-27-95

Pay Items/Analyses Required

QC Level:

C	D	E
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TAT (in days):

2	7	14	30
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Preservation

None

8.2 PCBs

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)
0650096	6-26-95 1450	088H28 (5'-1')	SOIL	—	6 inch SS sleeve	02	
0650097	6-26-95 1506	088H28 (2'-2.5')	SOIL	—	6 inch SS sleeve	02	
[Large X across remaining rows]							

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>[Signature]</u>	<u>FEDEX AIRBILL 5962295463</u>	<u>6-27-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>6/29/95</u>	<u>0915</u>	<u>ANALYSIS</u>	
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5962295463</u> Total No. Coolers Shipped: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

8738

Site Name: <u>MCAS EL TORO - RFA</u>	Sampler's Name(s): <u>J. LEAR / W. McCONIHG</u>	Site Contact/Supervisor: <u>JACQUES LORD</u>
CTO Number: <u>065</u>	Sampler's Signature(s): <u>J. Lear / W. McConihg</u>	

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: SS-065-0032 / Pg 52-65
 Date: 6-29-95

Pay Items/Analyses Required

NONE	Preservation
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QC Level:

C	D	E
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TAT (in days):

2	7	14	30
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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)	
0650052	6-28-95 1002	088H41	SOIL	X	6 in SS SLEEVE	02	X	
0650053	6-28-95 1020	088H27				02		
0650054	6-28-95 1038	088H27				02		
0650055	6-28-95 1100	088H30				02		
0650056	6-28-95 1125	088H42				02		
0650057	6-28-95 1155	088H43				02		
0650058	6-28-95 1525	088H38	SOIL			6 in SS SLEEVE		02
0650059	6-28-95 1543	088H38	SOIL			6 in SS SLEEVE		02
0650062	6-29-95 0948	088H47						02
0650064	6-29-95 1054	088H44						02

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>J. Lear</u>	FEDEX AIRBILL NO <u>5962295463</u>	6-29-95	1515	SHIPMENT	Method of Shipment: <u>FEDEX OVERNIGHT</u>
	<u>ML</u>	6/30/95	0930	ANALYSIS	
					Airbill No.: <u>5962295463</u>
					Total No. of Coolers: <u>1</u>



Inchcape Testing Services

Aquatec Laboratories

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

August 3, 1995

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

Re: Aquatec Project Number 94227
Case No. 065; SDG No. 52100; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on June 27, 30, July 7 and 8, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
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Samples Received on June 27, 1995
ETR No. 52100

065008801	262427	Water
065008802	262428	Water
065008803	262429	Water
065008804	262430	Water
065008805	262431	Water
065008806	262432	Water
065008901	262433	Water
065009001	262434	Water
HB	262435	Water

Samples Received on June 30, 1995
ETR No. 52193

065005101	262805	Water
065006001	262806	Water

Samples Received on July 7, 1995
ETR No. 52347

065006801	263306	Water
065007001	263307	Soil
065007101	263308	Soil
065007201	263309	Soil
065007301	263310	Soil
065007702	263311	Soil
065007801	263312	Soil
065010101	263313	Soil

0001

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
Samples Received on July 7, 1995 ETR No. 52347 (continued)		
065010201	263314	Soil
065010501	263315	Soil
065010601	263316	Soil
065010701	263317	Soil
065010701	263317MS	Soil
065010701	263317MD	Soil
065010901	263318	Soil
065011001	263319	Soil
065011201	263320	Soil
065011301	263321	Soil
065011501	263322	Soil
065011601	263323	Soil
065011801	263324	Soil
065011901	263325	Water
LCSS	263326	Solid

Samples Received on July 8, 1995
ETR No. 52358

065012101	263391	Soil
065012301	263392	Soil
065012401	263393	Water
065012402	263394	Water
065012501	263395	Water
065012502	263396	Water
065012503	263397	Water
065012505	263398	Water
065012506	263399	Water
065012507	263400	Water
065012701	263401	Soil
065012701	263401MS	Soil
065012701	263401MD	Soil
065012702	263402	Soil
065012702	263402MS	Soil
065012702	263402MD	Soil
065012702	263402R1	Soil
065012702	263402R2	Soil
065012702	263402R3	Soil
065012703	263403	Soil
065012703	263403MS	Soil
065012703	263403MD	Soil
065012704	263404	Soil
065012704	263404MS	Soil
065012704	263404DP	Soil
065013001	263405	Soil
065013002	263406	Soil
065013002	263406R1	Soil

<u>Client Sample ID</u>	<u>Laboratory Lab No.</u>	<u>Sample Matrix</u>
Samples Received on July 8, 1995 ETR No. 52358 (continued)		
065013003	263407	Soil
065013004	263408	Soil
065013101	263409	Soil
065013102	263410	Soil
065013102	263410R1	Soil
065013103	263411	Soil
065013104	263412	Soil
065013401	263413	Soil
065013401	263413D1	Soil
065013401	263413D2	Soil
065013401	263413D3	Soil
065013402	263414	Soil
065013402	263414R1	Soil
065013403	263415	Soil
065013404	263416	Soil
LCS	263417	Solid
LCS	263417R1	Solid

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three digits (CTO no.) 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.

The metals matrix spike recoveries were outside established control limits for sample labeled 065012704 for the antimony and selenium analyses. All data have been flagged according to contract specifications.

The original volatile organic analysis of sample labeled 065013401 exhibited target analytes above calibration range. This sample was reanalyzed using medium level methodology yielding acceptable results. Please note that the laboratory initiated medium level matrix spike and matrix spike duplicate analyses on this sample.

The polynuclear aromatic hydrocarbon by Single Ion Monitoring (PAH-SIM) analysis of soil method blank SBLKT3 exhibited surrogate recovery of naphthalene-d₈ below quality control criteria. All samples affected by this anomaly were re-extracted beyond the prescribed holding time and reanalyzed yielding acceptable results. Both sets of data have been reported in this case submittal.

The PAH-SIM analysis of liquid method blank labeled SBLK4H exhibited target analyte concentrations above reporting limits. The sample associated with this blank, 065008803, exhibited non-detected results with the exception of the naphthalenes which are reported near detection limit with a "B" qualifier, indicating that these compounds were reported in the associated method blank. This sample was scheduled for re-extraction, however no sample volume remained for additional testing. The original extracts of both SBLK4H and 065008803 were reanalyzed confirming the contamination anomaly, and have been included in the sample preparation section of this case submittal.

Peak height was used for calibration and quantitation of all pesticide/PCB compounds on both analytical columns with the following exceptions where peak area was used in the calculations:

- Analytical sequence dated 7/3/95 - alpha-BHC on the RTX-1701
- Analytical sequence dated 7/6/95 - alpha-BHC, delta-BHC, 4,4'DDD and TCX on the RTX-1701
- Analytical sequence dated 7/20/95 - 4,4'DDT on the RTX-1701

The pesticide/PCB analysis of samples labeled PBLK7T, 065005101 and 065009001 exhibited surrogate recoveries below the advisory quality control limits.

Several samples exhibited surrogate recovery of bromofluorobenzene slightly below advisory quality control criteria during their TPH-gas analysis.

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

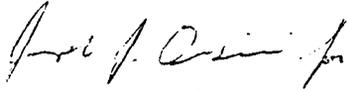
- Z = Unknown single peaks or chromatographic patterns have been detected but do not resemble a typical fuel pattern.

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.

Dr. Randy Jordan
August 3, 1995
Page 5

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

Sincerely,



Karen R. Chirgwin
Laboratory Operations Director

KRC/jg

Enclosure

94227B11JUL95

0002C



CLEAN II

8721

CHAIN-OF-CUSTODY RECORD

Site Name: MCAS EL TORO - REA Sampler's Name(s): VLEAR / W McCONIHE Site Contact/Supervisor: JACQUES LORD
 CTO Number: 0065 Sampler's Signature(s): J. Vlear, W. McConihe

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: SS-065-003 / Pg 088-090
 Date: 6-26-95

Pay Items/Analyses Required

1.1 / VOCs	2.1 / PCBs/PAHs	3.1 / PCBs	4.1 / Method	5.1 / PAHs
None	None	None	None	None

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)
						HCL	None	None	None	None	
0650089	5-22-95 1030	DECON FACILITY	WATER	—	4one VOA	01	/	/	/	/	TRIP BLANK
0650090	6-26-95 0914	↓	↓	—	1L Amber		01	/	/	/	RINSEATE
0650088	6-26-95 0850	↓	↓	—	4one VOA 1L Amber	04 05 06	01	02	03	/	SOURCE BLANK
[The remainder of the table is crossed out with a large X.]											

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>J. Vlear</u>	<u>FEDER AIRBILL 5962795474</u>	<u>6-26-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>6/27/95</u>	<u>0930</u>	<u>ANALYSIS</u>	
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5962795474</u> Total No. of Coolers: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

8740

100005

Site Name: HCAS EL TORO - REA
CTO Number: 065

Sampler's Name(s): J. LEAR / W. McCONNEHE
Sampler's Signature(s): J. Lear / W. McConnehe

Site Contact/Supervisor: JACQUES LORD

Analytical Laboratory Name: INCHCAPE TESTING SERVICE
Analytical Laboratory Address: 55 So. Park Dr., Colchester VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-065-004 / Pg 106-119
Date: 7-6-95

Items/Analyses Required
10.57 TPH diesel
10.57 TPH gas/diesel
5.57 TPH gas/diesel

QC Level

C	D	E
---	---	---

TAT (in days)

2	7	14	30
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Sample ID Number (7 digit)	Date/Time Collected	Station Description	Sample Matrix	Archive	Type of Container	None			Preservation		Remarks (e.g., MS, MSD)
						Note	None	None	Container Nos. (2 digit)		
X 0650106	7-5-95 1552	009A7 (28.5-29)	SOIL	---	6L SS STEEL	01	/	/			
X 0650107	7-6-95 0940	046A5 (8.5-9)	SOIL	---	7.65L	01	01	/			
X 0650109	7-6-95 0955	046A5 (20.5-21)	SOIL	---	7.65L	01	01	/			
X 0650110	7-6-95 1015	046A6 (8.5-9)	SOIL	---	7.65L	01	01	/			
X 0650112	7-6-95 1035	046A6 (20.5-21)	SOIL	---		01	/	/			RUN FOR GAS & DIESEL
X 0650113	7-6-95 1055	046A7 (8.5-9)	SOIL	---		01	/	/			
X 0650115	7-6-95 1107	046A7 (20.5-21)	SOIL	---		01	/	/			
X 0650116	7-6-95 1128	046A8 (8.5-9)	SOIL	---		01	/	/			
X 0650118	7-6-95 1142	046A8 (20.5-21)	SOIL	---		01	/	/			
X 0650119	7-6-95 1155	DECON FACILITY	WATER	---	1L Amber Glass			01			

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>Jane Lear</u>	<u>FEDEX AIRBILL 5511512543</u>	<u>7-6-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>7/7/95</u>	<u>0930</u>	<u>ANALYSES</u>	
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5511512543</u> Total No. of Coolers Shipped: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

8739

SUNSHINE

Site Name: MCAS EL TORO - RFA
CTO Number: 065

Sampler's Name(s): V. LEAR / N. McCONVILLE
Sampler's Signature(s): [Signature]

Site Contact/Supervisor: JACQUES LORD

Analytical Laboratory Name: INCHCAPE TESTING SERVICE
Analytical Laboratory Address: 55 SO. PARK DR, COLCHESTER VT 05446
Field QC Package Number: N/A
Field Logbook/Page Number: SS-065-002 (pg 68-73) / SS-065-004 (R)
Date: 7-6-95 101-105

Pay Items/Analyses Required
557 TPH
1057 TPH

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 0650068	7-5-95 1253	DECON FACILITY 009A5 05-9	WATER	---	1L Amber Glass	01	
X 0650070	7-5-95 0920	009A5 (8.5-9)	SOIL	01	6oz SS sleeve	01	
X 0650071	7-5-95 0925	009A5 (12.5-13)	SOIL	01	6oz SS sleeve	01	
X 0650072	7-5-95 0930	009A5 (20.5-21)	SOIL	01	6oz SS sleeve	01	
X 0650073	7-5-95 0945	009A5 (20.5-29)	SOIL	01	6oz SS sleeve	01	
X 0650077	7-5-95 1055	009A6 (20.5-21)	SOIL	---	6oz SS sleeve	02	
X 0650078	7-5-95 1105	009A6 (20.5-29)	SOIL	---	6oz SS sleeve	01	
X 0650101	7-5-95 1216	009A4 (20.5-21)	SOIL	---	6oz SS sleeve	01	
X 0650102	7-5-95 1225	009A4 (29-29.5)	SOIL	---	6oz SS sleeve	01	
X 0650105	7-5-95 1543	009A7 (20.5-21)	SOIL	---	6oz SS sleeve	01	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>[Signature]</u>	<u>FEDEX AIRBILL</u> <u>5511512543</u>	<u>7/6/95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>7/7/95</u>	<u>0930</u>	<u>ANALYSIS</u>	
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5511512543</u> Total No. of Coolers: <u>nd</u>

CHAIN-OF-CUSTODY RECORD

000000

Site Name: <u>MCAS EL TORO - REA</u>	Sampler's Name(s): <u>J Leary / W McConike</u>	Site Contact/Supervisor: <u>JACQUES LORD</u>
CTO Number: <u>065</u>	Sampler's Signature(s): <u>J Leary</u>	

Analytical Laboratory Name: TOUCHCAPE TESTING SERVICES
 Analytical Laboratory Address: 55 SO. PARK DR., COLCHESTER VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: SS-065-005 / Pg 121-134
 Date: 7-7-95

Pay Items/Analyses Required

HCL	None								
Preservation									
Container Nos. (2 digit)									

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)
0650124	6-29-95 16:00	DECON FACILITY	WATER	---	40ml VOAS WATER	01/02	
0650125	7-7-95 0830	DECON FACILITY	WATER	---	PLASTIC GLASS	01 03 02	
0650121	7-6-95 1436	009A8 (12.5-13')	SOIL	---	60ml SS sleeve	01	
0650122	7-6-95 1505	009A8 (28.5-29')	SOIL	---	60ml SS sleeve	01	
0650127	7-7-95 1030	007H2 (2'-3')	SOIL	---	GLASS / 60ml SS sleeve	02 03 04 01	RUN MS/MSD ALSO
0650130	7-7-95 1100	007H3 (2'-3')	SOIL	---	Glass / 60ml SS sleeve	02 03 04 01	
0650131	7-7-95 1200	007H3B (4'-5')	SOIL	---	Glass / 60ml SS sleeve	02 03 04 01	
0650134	7-7-95 1146	007H4 (2'-3')	SOIL	---	Glass / 60ml SS sleeve	02 03 04 01	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>J Leary</u>	<u>FEDEX AIRBILL NO 5511512554</u>	<u>7-7-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>7/8/95</u>	<u>1315</u>		
Method of Shipment: <u>FEDEX OVERNIGHT</u>					
Airbill No.: <u>5511512554</u>					Total No. of Coolers Shipped: <u>1</u>



Inchcape Testing Services

Aquatec Laboratories

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

August 3, 1995

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

Re: Aquatec Project Number 94227
Case No. 065; SDG No. 52401; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on July 12, 13 and 14, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
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Samples Received on July 12, 1995
ETR No. 52401

065013701	263568	Soil
065013702	263569	Soil
065013703	263570	Soil
065013704	263571	Soil
065013901	263572	Water
065013902	263573	Water
065014001	263574	Water
065014003	263575	Water
065014004	263576	Water
065014005	263577	Water
065014006	263578	Water
065014201	263579	Soil
065014201	263579MS	Soil
065014201	263579MD	Soil
065014202	263580	Soil
065014202	263580MS	Soil
065014202	263580MD	Soil
065014203	263581	Soil
065014203	263581MS	Soil
065014203	263581MD	Soil
065014204	263582	Soil
065014204	263582MS	Soil
065014204	263582DP	Soil
065014501	263583	Soil
065014502	263584	Soil
065014503	263585	Soil
065014504	263586	Soil
065014701	263587	Water
LCSS	263588	Solid
HB	263589	Water

0001

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
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Samples Received on July 13, 1995
ETR No. 52423

065014901	263661	Water
065014902	263662	Water
065015001	263663	Water
065015002	263664	Water
065015003	263665	Water
065015004	263666	Water
065015005	263667	Water
065015006	263668	Water
065015101	263669	Soil
065015201	263670	Soil
065015401	263671	Soil
065015501	263672	Soil
065015701	263673	Soil
065015801	263674	Soil
065016001	263675	Water
065016003	263676	Water
065016004	263677	Water
065016005	263678	Water
065016006	263679	Water
065016007	263670	Water

Samples Received on July 14, 1995
ETR No. 52443

065016101	263798	Water
065016102	263799	Water
065016302	263800	Soil
065016303	263801	Soil
065016304	263802	Soil
065016502	263803	Soil
065016602	263804	Soil
065016603	263805	Soil
065016604	263806	Soil
065016701	263807	Soil
065016702	263808	Soil
065016802	263809	Soil
065016901	263810	Soil
065017102	263811	Soil

To accommodate commercial software packages designed for CLP reporting formats, client sample ID's were truncated during analysis. The first three digits (CTO no.) were eliminated. The electronic deliverable contains the original client identification.

Dr. Randy Jordan
August 3, 1995
Page 3

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.

The metals matrix spike recoveries were outside established quality control limits for sample labeled 065104104 for the antimony and selenium analyses. All data have been flagged according to contract specifications.

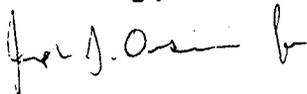
The volatile organic analysis of sample labeled 065015401 was accomplished using the most dilute low-level analysis possible, and exhibited acetone at a concentration above calibration range. This sample was not reanalyzed because the acetone concentration was below detection level using medium level methodology.

Peak height was used for calibration and quantitation of all pesticide/PCB compounds on both analytical columns with the exception of the sequence dated 7/20/95 on the RTX-1701 column, where peak area was used for 4,4'-DDT.

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
Laboratory Operations Director

KRC/jg

Enclosure

94227B17JUL95

0002A

CHAIN-OF-CUSTODY RECORD

8742

COOLERS

Site Name: <u>MCAS EL TORO - RFA</u>	Sampler's Name(s): <u>J. Lear / W. McConkie</u>	Site Contact/Supervisor: <u>JACQUES LORP</u>
CTO Number: <u>065</u>	Sampler's Signature(s): <u>J. Lear / W. McConkie</u>	

Analytical Laboratory Name: TWCHCAPS TESTING SERVICES
 Analytical Laboratory Address: 55 So. Park Dr., Colchester VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: SS-065-005 (14-146) / SS-065-006 (14-146)
 Date: 7-10-95

Pay Items/Analyses Required

6.1	10.128	8.1	9.1	1.1	4.1	5.128	3.1
8240	8220	8080	Metals	8240	Metals	PAHs	8080

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								Remarks (e.g., MS, MSD)
						None	None	None	None	HCL	None	None	None	
0650137	7-7-95 1540	007H5	SOIL		6in SS Sleeve 8oz Glass	01	02	03	04					
0650139	5-22-95 1030	DECON FACILITY	WATER		40ml VOA					01	02			
0650140	7-10-95 0835	DECON FACILITY	WATER		Glass, 1L amber 40ml VOA					0506	01	02	03	*
0650142	7-10-95 1005	007H6	SOIL		6in SS Sleeve 8oz Glass	01	02	03	04					
0650143	7-10-95 11:00	007H7	SOIL		6in SS Sleeve 8oz Glass	01	02	03	04					
0650147	7-10-95 1430	DECON FACILITY	WATER		1 L amber Glass					01			**	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>J. Lear</u>	<u>FEDEX AIRBILL 551512565</u>	<u>7-10-95</u>	<u>1510</u>	<u>SHIPMENT</u>	<u>* CONTAINER 065014002 BROKEN DURING PACKING</u>
	<u>[Signature]</u>	<u>7/12/95</u>	<u>0930</u>	<u>ANALYSIS</u>	<u>** SAMPLE 065014701 COLLECTED TO REPLACE 065014002</u>
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>551512565</u> Total No. of Coolers <u>5</u> and: <u>1</u>

CHAIN-OF-CUSTODY RECORD

900006

Site Name: <u>MCAS EL TORO - RFA</u>	Sampler's Name(s): <u>J. LEAR / W. McCONIHE</u>	Site Contact/Supervisor: <u>JACQUES LORD</u>
CTO Number: <u>065</u>	Sampler's Signature(s): <u>[Signature]</u>	

Analytical Laboratory Name: TRICHCAPE TESTING SERVICES
 Analytical Laboratory Address: 55 SO. PARK DR, COLCHESTER VT 05446
 Field QC Package Number: N/A
 Field Logbook/Page Number: SS-065-007 / Pg 161-169
 Date: 7-13-95

Pay Items/Analyses Required

HCL	1.1	VOCs	None	6.1	VOCs	None	10.12A	SVOCs	8.2	SVOCs	None	9.1	PCBs	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)
X 0650161	6-29-95 1600	DECON FACILITY	WATER		40 ml VOA	01	02			
X 0650163	7-12-95 1111	165A1 (8-9.5')	SOIL		6in SS Sleeve 8oz glass	02	02	04	03	
X 0650165	7-12-95 1158	165A2 (8-2.6')	SOIL		6in SS Sleeve	01	01			
X 0650166	7-12-95 1208	165A2 (8-9.5')	SOIL		6in SS Sleeve 8oz glass	02	03	03	04	
X 0650167	7-12-95 1210	165A2 (9.5-11')	SOIL		8oz glass			01	02	
X 0650168	7-12-95 1220	165A2 (12-12.5')	SOIL		6in SS sleeve	02	02			
X 0650169	7-12-95 1225	165A2 (12.5-13')	SOIL		6in SS Sleeve	01	01			

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>Jane Lear</u>	<u>FEDEX AIRBILL NO. 5511512495</u>	<u>7-13-95</u>	<u>1515</u>	<u>SHIPMENT</u>	
	<u>[Signature]</u>	<u>7/14/95</u>	<u>1000</u>	<u>ANALYSIS</u>	
					Method of Shipment: <u>FEDEX OVERNIGHT</u>
					Airbill No.: <u>5511512495</u> Total No. of Coolers Shipped: <u>1</u>



Inchcape Testing Services

Aquatec Laboratories

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

September 21, 1995

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

Re: Aquatec Project Number 94227
Case No. 065; SDG No. 53378; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services-Aquatec Laboratory on August 29, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Lab No.</u>	<u>Sample</u> <u>Matrix</u>
Samples Received on August 29, 1995 ETR No. 53378		
065017501	269191	Soil
065017501	269191D1	Soil
065017601	269192	Soil
065017701	269193	Soil
065017801	269194	Soil
065017901	269195	Soil
065018001	269196	Soil
065018101	269197	Soil
065018201	269198	Soil
065018301	269199	Soil
065018401	269200	Soil
065018401	269200MS	Soil
065018401	269200MD	Soil
065018501	269201	Soil
065018601	269202	Water
LCS	269203	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.

001

Data acquired for all analyses conducted on samples in this delivery group have been reported to the Sample Quantitation Limit (SQL). 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.

Peak height was used for calibration and quantitation of all compounds during PCB analysis with the exception of the surrogates on both analytical columns where peak area was used.

The original PCB analysis of sample labeled 065017501 exhibited concentrations of Aroclors 1254 and 1260 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 continuing calibration check standard labeled INDBMD3 exhibited an increased response for surrogate compound tetrachloro-m-xylene on the RTX-35 column resulting in percent difference slightly above the quality control limit. This compound exhibited acceptable stability on the RTX-1701 column.

The PCB analysis of water samples labeled 065018601 and MSB exhibited surrogate recovery of decachlorobiphenyl below quality control criteria. Surrogate compound tetrachloro-m-xylene exhibited acceptable recovery in these samples.

Please note the use of the following additional qualifiers when reporting PCB results:

Y = Compound result was reported from a response exceeding standard calibration range.

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

Dr. Randy Jordan
September 21, 1995
Page 3

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

94227B12SEP95

CC2A



CLEAN II

CHAIN-OF-CUSTODY RECORD

7515

Site Name: MCAS El Toro - RFA
CTO Number: 065

Sampler's Name(s): M. Dalrymple W. McConihe
Sampler's Signature(s): M. Dalrymple W. McConihe

Site Contact/Supervisor:
Jacques Lord

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: 55-065-008/181 - 192
Date: 8/28/95

Pay Items/Analyses Required

None	8.2/8000	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)
✓ 0650175	8-24-95 09:45	088H5	Soil		500ml Glass Amb	01	X
✓ 0650176	8-24-95 09:55	088H51	Soil			01	
✓ 0650177	8-24-95 10:00	088H52				01	
✓ 0650178	8-24-95 10:15	088H53				01	
✓ 0650179	8-24-95 10:35	088H24 ^{13 min} 8/24/95				01	
✓ 0650180	8-28-95 10:45	088H22				01	
✓ 0650181	8-24-95 10:55	088H50				01	
✓ 0650182	8-24-95 11:00	088H24				01	
✓ 0650183	8-24-95 11:32	088H13				01	
✓ 0650184	8-24-95 11:55	088H36				01	
✓ 0650185	8-24-95 11:33	088H2593				01	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
<u>Jacques Lord</u>	<u>FEDEX</u>	8/24/95	15:00	SHIP TO LABS	
	<u>Maureen</u>	8/29/95	1000		
					Method of Shipment: <u>FEDEX</u>
					Airbill No.: <u> </u> Total No. of Coolers Shipped: <u>1</u>



Inchcape Testing Services

Aquatec Laboratories

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

January 30, 1996

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

Re: Laboratory Project Number 94227
Case No. 065; SDG No. 55832; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services Environmental Laboratory on December 22, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Number</u>	<u>Sample</u> <u>Matrix</u>
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Samples Received on December 22, 1995
ETR No. 55832

065020701	283094	Soil
065020702	283095	Soil
065020801	283096	Soil
065020802	283097	Soil
065018701	283098	Soil
065018801	283099	Soil
065018901	283100	Soil
065019001	283101	Soil
065019101	283102	Soil
065019103	283103	Soil
065019201	283104	Soil
065019202	283105	Soil
065019204	283106	Soil
065019301	283107	Soil
065019302	283108	Soil
065019401	283109	Soil
065019501	283110	Soil
065019502	283111	Soil
065019504	283112	Soil
065019601	283113	Soil
065019601	283113MS	Soil
065019601	283113MD	Soil
065019602	283114	Soil
065019602	283114MS	Soil
065019602	283114DP	Soil
065019604	283115	Soil
065019604	283115MS	Soil

<u>Client Sample ID</u>	<u>Laboratory Number</u>	<u>Sample Matrix</u>
Samples Received on December 22, 1995 ETR No. 55832 (continued)		
065019604	283115MD	Soil
065019701	283116	Soil
065019801	283117	Soil
065019901	283118	Soil
065020001	283119	Soil
065020101	283120	Water
065020102	283121	Water
065020103	283122	Water
065020201	283123	Soil
065020301	283124	Soil
065020401	283125	Soil
LCSS	283126	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 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 the identification of samples labeled 0650185 and 0650186 were changed to 0650207 and 0650208 respectively, at the clients request, after they had been received by the laboratory.

The metals analysis of sample labeled 065019602 exhibited matrix spike recovery for antimony and mercury outside quality control criteria. Duplicate analyses for chromium and nickel were also outside control limits. All data have been flagged appropriately. Please note that the mercury recovery was 0.0

Dr. Randy Jordan
January 30, 1996
Page 3

percent. The laboratory suspected that the sample was not fortified properly so re-prepared the mercury spike and re-analyzed the sample yielding similar results (0.0 percent recovery). Both sets of data have been provided in the supportive documentation section of the case submittal.

The low-level semivolatile organic analysis of sample labeled 065020201 exhibited two base-neutral surrogate recoveries and one acid surrogate recovery above quality control criteria.

Please note the use of the following qualifier when reporting semivolatile organic results:

Z = The reported result is based on the combined response from coeluting compounds.

The Polynuclear Aromatic Hydrocarbon by Single Ion Monitoring (PAH-SIM) analysis of samples labeled 065019601MS and 065019601MSD exhibited matrix spike recoveries outside quality control criteria. The laboratory suspects that this anomaly is due to the concentration of target analytes in parent sample 065019601 and to sample non-homogeneity.

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

94227B27DEC95

002A

CHAIN-OF-CUSTODY RECORD

Page 2

8559

Site Name: M. CAS EL TORO
 CTO Number: -0065

Sampler's Name(s): JACQUES LORD
 Sampler's Signature(s): Jacques Lord

Site Contact/Supervisor: JACQUES LORD

Analytical Laboratory Name: INCHCAPE TESTING SERVICES
 Analytical Laboratory Address: 55 SOUTH PARK DR. COLCHESTER VERMONT
 Field QC Package Number: N/A
 Field Logbook/Page Number: 55-065-009 / 1-25
 Date: 12-20-95

Pay Items/Analyses Required

SVOCs 10.12.8	PAHs 10.13.7	TAL Metals 9.1	DISSOLV 8.13
---------------	--------------	----------------	--------------

QC Code: 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)
						01	01	02	04	
0650185	12-19-95 09:55	0655517	SUREAL SOIL	NO	GJ 80Z	X	X	X	X	NONE
0186	12-19-95 09:55	0655537	↓	↓	↓	X	X	X	X	↓
0187	12-19-95 10:15	0655520				X	X	X	X	
0188	12-19-95 10:40	0655516				X	X	X	X	
0189	12-19-95 10:55	0655515				X	X	X	X	
0190	12-19-95 11:20	0655509				X	X	X	X	
0191	12-19-95 12:15	0655504				X	X	X	X	
0192	12-19-95 12:40	0655505				X	X	X	X	
0193	12-19-95 13:15	0655503				X	X	X	X	
0194	12-19-95 13:55	0655502				X	X	X	X	
0650195	12-19-95 14:50	0655510				X	X	X	X	

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
J.P. LORD	FEDEX	12/20/95	16:00	SHIP TO LAB	PAH-SVOC <u>LOW LEVEL ANALYSES</u>
	<u>[Signature]</u>	12/21/95	11:00	ANALYSES	
					Method of Shipment: <u>FEDEX</u>
					Airbill No.: <u>7924260595</u> Total No. of Coolers Shipped: <u>1</u>



CLEAN II

CHAIN-OF-CUSTODY RECORD

Pg 2 of 2

8560

Site Name: <u>MCAS EL TORO</u>	Sampler's Name(s): <u>JACQUES LORD</u>	Site Contact/Supervisor: <u>JACQUES LORD</u>
CTO Number: <u>-0065</u>	Sampler's Signature(s): <u>[Signature]</u>	

Analytical Laboratory Name: MCHCAPE TESTING SERVICES
 Analytical Laboratory Address: 55 South Park Dr. Colchester VT
 Field QC Package Number: N/A
 Field Logbook/Page Number: 55-065-009/1-25
 Date: 12-20-95

Ray Items/Analyses Required

SVOC 10.128	PAH 10.132	TAL METALS 9.1	ANALYSIS 8.13	SVOC 5.128	PAH 5.132	TAL 4.1
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OC [Stamp] C [Stamp] L [Stamp] E [Stamp]

TAT (in days) 2 7 14 30

Preservation 4°C → 5°C 5°C HAND 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)
0650196	12-19-95 15:20	0655506	SURFACE SOIL	NO	GJ803	01 01 02 04		02, 04 FOR MS/MSD
0650197	12-19-95 15:50	0655511						
0198	12-19-95 16:15	0655512						
0199	12-19-95 16:30	0655507						
0200	12-19-95 16:45	0655508						
0201	12-19-95 17:00	FQC RINSEATE	BLANK WATER		P6-3202-1, 2 1LPoly-3	01 01 02 03		RSB
0202	12-20-95 08:22	0655501	SURFACE SOIL		GJ803	01 01		
0203	12-20-95 09:15	0655514						
0204	12-20-95 10:00	0655519						
0205	12-20-95 10:36	0655518						
0650206	12-20-95 10:55	0655513				01 01		01-MS/MSD

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions:
JPLORD	FEDEX	12-20-95	16:00	SHIP TO LABS	PAH - SVOC LOW LEVEL ANALYSES
	[Signature]	12/21/95	11:00	ANALYSES	
					Method of Shipment: <u>FED EX</u>
					Airbill No.: <u>7924260595</u> Total No. of Coolers Shipped: <u>1</u>



Inchcape Testing Services

Aquatec Laboratories

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

January 30, 1996

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

Re: Laboratory Project Number 94227
Case No. 065; SDG No. 55905; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services Environmental Laboratory on December 22, 1995. Laboratory numbers were assigned and are designated as follows:

<u>Client</u> <u>Sample ID</u>	<u>Laboratory</u> <u>Number</u>	<u>Sample</u> <u>Matrix</u>
Samples Received on December 22, 1995		
ETR No. 55905		
065020501	283835	Soil
065020501	283835MS	Soil
065020501	283835MD	Soil
065020601	283836	Soil
LCSS	283837	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 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.

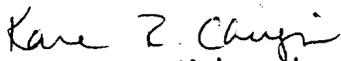
Dr. Randy Jordan
January 30, 1996
Page 2

The low-level semivolatile organic analysis of samples labeled SBLKN4 and 065020501 exhibited two base-neutral surrogate recoveries above quality control criteria. Please note that SBLKN4 is associated with samples 065020501MS and 065020501MSD, which were extracted separately from sample 065020501.

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
Laboratory Operations Director

KRC/jg

Enclosure

94227B16JAN96



LEAN II

CHAIN-OF-CUSTODY RECORD

Pg 2 of 2 10

000003

Site Name: <u>MCAS EL TORO</u>	Sampler's Name(s): <u>JACQUES LORD</u>	Site Contact/Supervisor: <u>JACQUES LORD</u>
CTO Number: <u>-0065</u>	Sampler's Signature(s): <u>[Signature]</u>	

Analytical Laboratory Name: MCHCAPE TESTING SERVICES
 Analytical Laboratory Address: 55 SOUTH PARK DR. COLCHESTER VT
 Field QC Package Number: N/A
 Field Logbook/Page Number: 55-065-009/1-25
 Date: 12-20-95

Raw Items/Analyses Required

SVC 10.128	PAH 10.137	TAL METALS 9.13	PAH 5.128	TAL 5.137	4.1
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QC Level: **C** D E

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

Preservation: 4°C → 5°C 5°C MAO3 3%

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)
0650196	12-19-95 15:20	0655506	SURFACE SOIL	NO	65803	01 01	02 04	02,04 FOR MS/MSD
0650197	12-19-95 15:50	0655511	↓	↓	↓	01 01	X	X
0198	12-19-95 16:15	0655512	↓	↓	↓	01 01	X	X
0199	12-19-95 16:30	0655507	↓	↓	↓	01 01	X	X
0200	12-19-95 16:45	0655508	↓	↓	↓	01 01	X	X
0201	12-19-95 17:00	FQC RIMSATE	BLANK WATER		AG-3202-1L 1L Pol-3	01 01	01 02 03	RSB
0202	12-20-95 08:22	0655501	SURFACE SOIL		65803	01 01	X	X
0203	12-20-95 09:15	0655514	↓	↓	↓	01 01	X	X
0204	12-20-95 10:00	0655519	↓	↓	↓	01 01	X	X
0205	12-20-95 10:36	0655518	↓	↓	↓	01 01	X	X
0650206	12-20-95 10:55	0655513	↓	↓	↓	01 01	X	01-MS/MSD

Relinquished By	Received By	Date	Time	Reason for Transfer	Comments/Instructions
JPLORD	FEDEX	12-20-95	16:00	SHIP TO LABS	PAH - SVOC LOW LEVEL ANALYSES
	[Signature]	12/21/95	11:00	ANALYSES	
					Method of Shipment: FEDEX
					Airbill No.: 7924260595 Total No. of Coolers Shipped: 1



Inchcape Testing Services

Environmental Laboratories

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

April 12, 1996

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

Re: Laboratory Project Number 94227
Case No. 065; SDG No. 57757; CTO-065

Dear Dr. Jordan:

Enclosed are the analytical results for samples received intact by Inchcape Testing Services Environmental Laboratory on April 06, 1996. Laboratory numbers were assigned and are designated as follows:

<u>LAB ID</u>	<u>Client Sample ID</u>	<u>Date Sampled</u>	<u>Sample Matrix</u>
ETR No.: 57757 Received April 06, 1996			
296917	065020901	04/05/96	Soil
296917MS	065020901MS	04/05/96	Soil
296917MD	065020901MSD	04/05/96	Soil
296918	LCSS	/ /	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.

Peak height was used for calibration and quantitation of all compounds on both 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

Enclosure
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