



**ALISTO ENGINEERING GROUP**

October 25, 1994

*WOP 2878*

~~Mr. Barney Chan~~  
Department of Environmental Health  
Alameda County Health Care Services Agency  
80 Swan Way, Room 200  
Oakland, California 94621

10-024-02-002

Subject: Sewer Discharge Permit - Monthly Report  
BP Oil Company Service Station No. 11132  
3201 35th Street  
Oakland, California  
Wastewater Discharge Permit No. 502-62901

Dear Mr. Chan:

On behalf of BP Oil Company, we have enclosed a summary of analytical results for the remediation system sampling events and the quantity discharged for BP Oil Company Service Station No. 11132, 3201 35th Street, Oakland, California. This report covers the period from July 1 to September 30, 1994.

Results of sample analysis indicate that petroleum hydrocarbon constituents were not present above the reported detection limits in the effluent samples. The total volume discharged for the period is presented in Table 1. The results of influent, intermediate, and effluent sample analysis are presented in Table 2. The sampling point locations are shown in Figure 1. The certified laboratory reports and chain of custody records are presented in Attachment A.

Please call if you have questions regarding this report.

Sincerely,

ALISTO ENGINEERING GROUP

Peter Beaver  
Engineering Manager

Enclosure

cc: Scott Hooton, BP Oil Company

HAZMAT  
54 NOV -9 PM 2:30

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER TREATMENT SYSTEM OPERATION  
 BP OIL COMPANY SERVICE STATION NO. 11132  
 3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

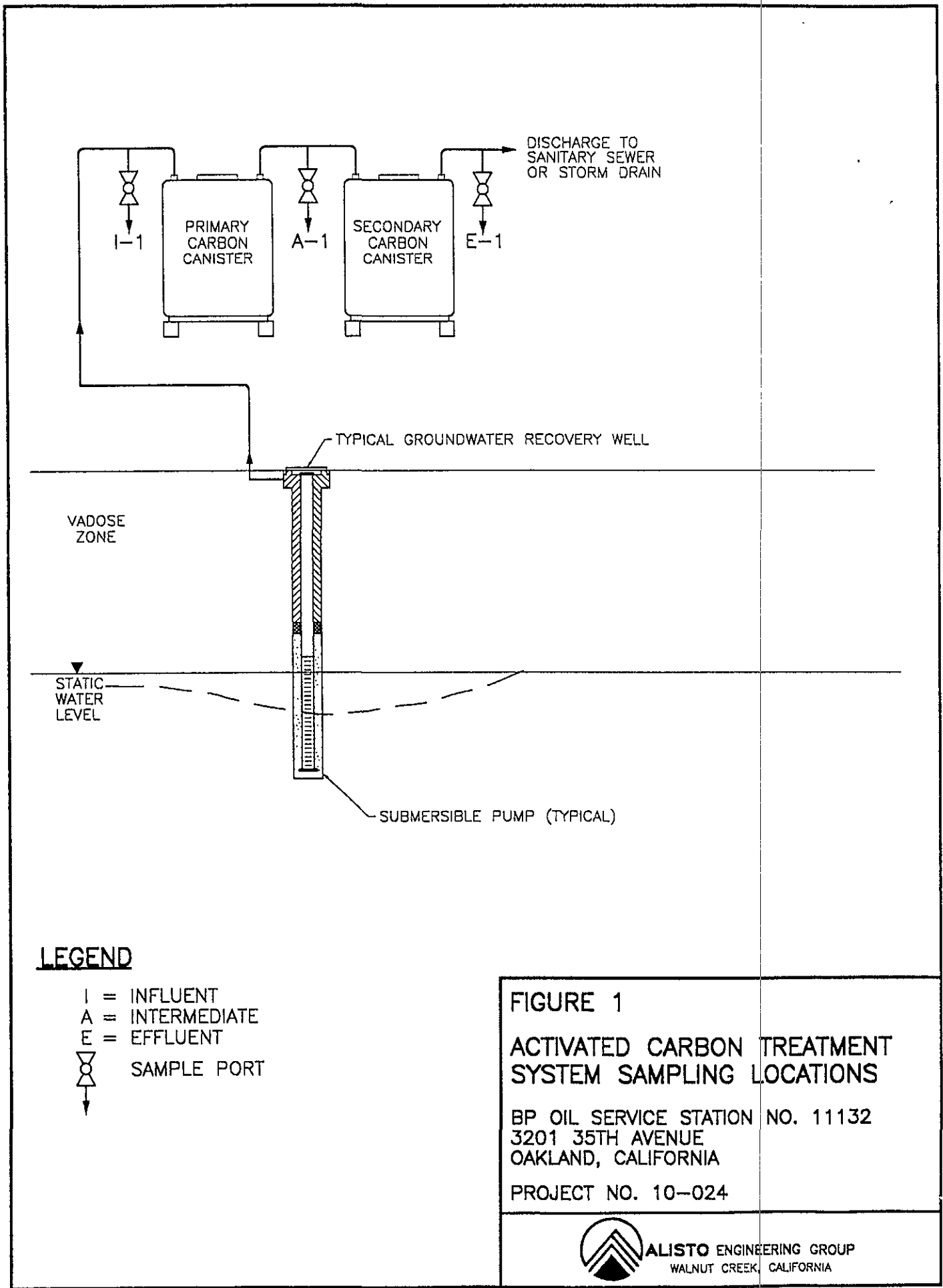
Sample ID	Date	TPH-G (ppb)	TPH-D (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	Acetone	MEK	LAB	
I-1	11/06/92	22000	—	4500	1600	760	3900	—	—	PAC	
I-1	01/22/93	—	120	ND<0.50	250	84	590	54	—	PAC	
I-1	07/26/93	—	620	2600	210	120	960	78	96	PAC	
I-1	08/17/93	—	520	1200	58	35	300	ND<5.0	ND<5.0	PAC	
I-1	09/22/93	4200	370	1000	110	38	520	—	—	PAC	
I-1	10/20/93	—	140	930	32	8	190	—	—	PAC	
I-1 (a)	11/18/93	—	470	970	72	19	410	ND<50	ND<50	PAC	
I-1	12/07/93	—	2100	780	DL	ND<5	ND<5	97	ND<50	ND<50	PAC
I-1	02/08/94	—	410000	3400	1400	610	7300	ND<2500	ND<2500	PAC	
I-1	02/15/94	42000	6400	4400	2500	820	9400	ND<1200	ND<1200	PAC	
I-1	03/15/94	—	1500	1200	200	38	780	ND<50	ND<50	PAC	
I-1	04/15/94	—	2500	580	27	38	700	ND<50	ND<50	PAC	
I-1	05/12/94	—	430	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
I-1	06/16/94	—	ND<50	150	11	ND<5	ND<5	—	—	PAC	
I-1	07/14/94	—	ND<50	ND<5	ND<5	ND<5	ND<5	—	—	PAC	
I-1	08/23/94	—	1100	330	7	200	—	—	—	PAC	
I-1	09/19/94	—	580	280	62	ND<5	—	—	—	PAC	
A-1	11/06/92	—	—	—	—	—	—	—	—	—	
A-1	01/22/93	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
A-1	07/26/93	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
A-1	08/17/93	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
A-1	09/22/93	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
A-1	10/20/93	—	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
A-1 (a)	11/18/93	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	12/07/93	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	02/08/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	02/15/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	03/15/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	04/15/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	05/12/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
A-1	06/16/94	—	—	ND<5	ND<5	ND<5	ND<5	—	—	PAC	
A-1	07/14/94	—	—	ND<5	ND<5	ND<5	ND<5	—	—	PAC	
A-1	08/23/94	—	—	ND<5	ND<5	ND<5	—	—	—	PAC	
A-1	09/19/94	—	—	ND<5	ND<5	ND<5	—	—	—	PAC	
E-1	11/06/92	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	—	—	PAC	
E-1	01/22/93	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
E-1	07/26/93	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
E-1	08/17/93	—	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
E-1	09/22/93	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
E-1	10/20/93	—	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<5.0	PAC	
E-1 (a)	11/18/93	—	—	400	22	5	120	ND<50	ND<50	PAC	
E-1	12/07/93	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	140	PAC	
E-1	02/08/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
E-1	02/15/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
E-1	03/15/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
E-1	04/15/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
E-1	05/12/94	—	—	ND<5	ND<5	ND<5	ND<5	ND<50	ND<50	PAC	
E-1	06/16/94	—	—	ND<5	ND<5	ND<5	ND<5	—	—	PAC	
E-1	07/14/94	—	—	ND<5	ND<5	ND<5	ND<5	—	—	PAC	
E-1	08/23/94	—	—	ND<5	ND<5	ND<5	—	—	—	PAC	
E-1	09/19/94	—	—	ND<5	ND<5	ND<5	—	—	—	PAC	

ABBREVIATIONS:


TPH-G Total petroleum hydrocarbons as gasoline  
 TPH-D Total petroleum hydrocarbons as diesel  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Total xylenes  
 MEK 2-Butanone  
 ppb Parts per billion  
 ND Not detected above reported detection limit  
 — Not analyzed/available  
 SEQ Sequola Analytical Laboratory  
 PAC Pace, Inc.

NOTES:

(a) Suspected sample identification error  
 DL Sample dilution required to bring compound within linear calibration range



**LEGEND**

- I = INFLUENT
- A = INTERMEDIATE
- E = EFFLUENT
-  SAMPLE PORT

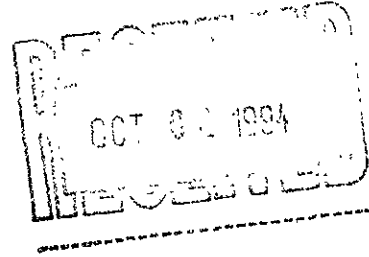
**FIGURE 1**  
**ACTIVATED CARBON TREATMENT SYSTEM SAMPLING LOCATIONS**  
 BP OIL SERVICE STATION NO. 11132  
 3201 35TH AVENUE  
 OAKLAND, CALIFORNIA  
 PROJECT NO. 10-024



**ALISTO ENGINEERING GROUP**  
 WALNUT CREEK, CALIFORNIA

ATTACHMENT A  
LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS

September 30, 1994



Mr. Peter Beaver  
Alisto Engineering Group  
1777 Oakland Blvd, Ste. 200  
Walnut Creek, CA 94596

RE: PACE Project No. 440920.509  
Client Reference: BP Site #11132/10-024-04-001

Dear Mr. Beaver:

Enclosed is the report of laboratory analyses for samples received September 20, 1994.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Ronald M. Chew  
Project Manager

Enclosures



# REPORT OF LABORATORY ANALYSIS

Alisto Engineering Group  
 1777 Oakland Blvd, Ste. 200  
 Walnut Creek, CA 94596

September 30, 1994  
 PACE Project Number: 440920509

Attn: Mr. Peter Beaver

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0397553  
 Date Collected: 09/19/94  
 Date Received: 09/20/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>INF</u>	<u>DATE ANALYZED</u>
<u>ORGANIC ANALYSIS</u>				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	5	ND	09/23/94
Vinyl Chloride	ug/L	5	ND	09/23/94
Bromomethane	ug/L	5	ND	09/23/94
Chloroethane	ug/L	5	ND	09/23/94
Trichlorofluoromethane	ug/L	5	ND	09/23/94
1,1-Dichloroethene	ug/L	5	ND	09/23/94
Methylene Chloride	ug/L	5	ND	09/23/94
trans-1,2-Dichloroethene	ug/L	5	ND	09/23/94
1,1-Dichloroethane	ug/L	5	ND	09/23/94
Chloroform	ug/L	5	ND	09/23/94
1,1,1-Trichloroethane	ug/L	5	ND	09/23/94
1,2-Dichloroethane	ug/L	5	ND	09/23/94
Carbon Tetrachloride	ug/L	5	ND	09/23/94
Benzene	ug/L	25	280 D	09/23/94
1,2-Dichloropropane	ug/L	5	ND	09/23/94
Trichloroethene (TCE)	ug/L	5	ND	09/23/94
Bromodichloromethane	ug/L	5	ND	09/23/94
trans-1,3-Dichloropropene	ug/L	5	ND	09/23/94
2-Chloroethyl vinyl ether	ug/L	5	ND	09/23/94
Toluene	ug/L	5	62	09/23/94
cis-1,3-Dichloropropene	ug/L	5	ND	09/23/94
1,1,2-Trichloroethane	ug/L	5	ND	09/23/94
Dibromochloromethane	ug/L	5	ND	09/23/94
Tetrachloroethene	ug/L	5	ND	09/23/94
Chlorobenzene	ug/L	5	ND	09/23/94
Ethylbenzene	ug/L	5	ND	09/23/94
Bromoform	ug/L	5	ND	09/23/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	09/23/94
1,3-Dichlorobenzene	ug/L	5	ND	09/23/94

**REPORT OF LABORATORY ANALYSIS**

Mr. Peter Beaver  
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September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number:  
 Date Collected:  
 Date Received:  
 Client Sample ID:  
Parameter

70 0397553  
 09/19/94  
 09/20/94  
 STA#11132

Units                      MDL                      INF                      DATE ANALYZED

ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

1,4-Dichlorobenzene	ug/L	5	ND	09/23/94
1,2-Dichlorobenzene	ug/L	5	ND	09/23/94
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		114	09/23/94
Toluene-d8 (Surrogate Recovery)	%		87	09/23/94
4-Bromofluorobenzene (Surrog.Recovery)	%		103	09/23/94

EXTRACTABLE FUELS EPA 3510/8015  
 Extractable Fuels, as Diesel  
 Date Extracted

	mg/L	0.05	0.58	09/26/94
			09/26/94	

Mr. Peter Beaver  
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September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0397561  
 Date Collected: 09/19/94  
 Date Received: 09/20/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>A</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Chloromethane	ug/L	5	ND	09/23/94
Vinyl Chloride	ug/L	5	ND	09/23/94
Bromomethane	ug/L	5	ND	09/23/94
Chloroethane	ug/L	5	ND	09/23/94
Trichlorofluoromethane	ug/L	5	ND	09/23/94
1,1-Dichloroethene	ug/L	5	ND	09/23/94
Methylene Chloride	ug/L	5	ND	09/23/94
trans-1,2-Dichloroethene	ug/L	5	ND	09/23/94
1,1-Dichloroethane	ug/L	5	ND	09/23/94
Chloroform	ug/L	5	ND	09/23/94
1,1,1-Trichloroethane	ug/L	5	ND	09/23/94
1,2-Dichloroethane	ug/L	5	ND	09/23/94
Carbon Tetrachloride	ug/L	5	ND	09/23/94
Benzene	ug/L	5	ND	09/23/94
1,2-Dichloropropane	ug/L	5	ND	09/23/94
Trichloroethene (TCE)	ug/L	5	ND	09/23/94
Bromodichloromethane	ug/L	5	ND	09/23/94
trans-1,3-Dichloropropene	ug/L	5	ND	09/23/94
2-Chloroethyl vinyl ether	ug/L	5	ND	09/23/94
Toluene	ug/L	5	ND	09/23/94
cis-1,3-Dichloropropene	ug/L	5	ND	09/23/94
1,1,2-Trichloroethane	ug/L	5	ND	09/23/94
Dibromochloromethane	ug/L	5	ND	09/23/94
Tetrachloroethene	ug/L	5	ND	09/23/94
Chlorobenzene	ug/L	5	ND	09/23/94
Ethylbenzene	ug/L	5	ND	09/23/94
Bromoform	ug/L	5	ND	09/23/94
1,1,2,2.-Tetrachloroethane	ug/L	5	ND	09/23/94
1,3-Dichlorobenzene	ug/L	5	ND	09/23/94
1,4-Dichlorobenzene	ug/L	5	ND	09/23/94
1,2-Dichlorobenzene	ug/L	5	ND	09/23/94



Mr. Peter Beaver  
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September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0397561  
 Date Collected: 09/19/94  
 Date Received: 09/20/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>A</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		111	09/23/94
Toluene-d8 (Surrogate Recovery)	%		84	09/23/94
4-Bromofluorobenzene (Surrog.Recovery)	%		100	09/23/94

Mr. Peter Beaver  
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September 30, 1994  
PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0397570  
Date Collected: 09/19/94  
Date Received: 09/20/94  
Client Sample ID: STA#11132  
Parameter

Parameter	Units	MDL	EFF	DATE ANALYZED
<u>ORGANIC ANALYSIS</u>				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	5	ND	09/23/94
Vinyl Chloride	ug/L	5	ND	09/23/94
Bromomethane	ug/L	5	ND	09/23/94
Chloroethane	ug/L	5	ND	09/23/94
Trichlorofluoromethane	ug/L	5	ND	09/23/94
1,1-Dichloroethene	ug/L	5	ND	09/23/94
Methylene Chloride	ug/L	5	ND	09/23/94
trans-1,2-Dichloroethene	ug/L	5	ND	09/23/94
1,1-Dichloroethane	ug/L	5	ND	09/23/94
Chloroform	ug/L	5	ND	09/23/94
1,1,1-Trichloroethane	ug/L	5	ND	09/23/94
1,2-Dichloroethane	ug/L	5	ND	09/23/94
Carbon Tetrachloride	ug/L	5	ND	09/23/94
Benzene	ug/L	5	ND	09/23/94
1,2-Dichloropropane	ug/L	5	ND	09/23/94
Trichloroethene (TCE)	ug/L	5	ND	09/23/94
Bromodichloromethane	ug/L	5	ND	09/23/94
trans-1,3-Dichloropropane	ug/L	5	ND	09/23/94
2-Chloroethyl vinyl ether	ug/L	5	ND	09/23/94
Toluene	ug/L	5	ND	09/23/94
cis-1,3-Dichloropropane	ug/L	5	ND	09/23/94
1,1,2-Trichloroethane	ug/L	5	ND	09/23/94
Dibromochloromethane	ug/L	5	ND	09/23/94
Tetrachloroethene	ug/L	5	ND	09/23/94
Chlorobenzene	ug/L	5	ND	09/23/94
Ethylbenzene	ug/L	5	ND	09/23/94
Bromoform	ug/L	5	ND	09/23/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	09/23/94
1,3-Dichlorobenzene	ug/L	5	ND	09/23/94
1,4-Dichlorobenzene	ug/L	5	ND	09/23/94
1,2-Dichlorobenzene	ug/L	5	ND	09/23/94

**REPORT OF LABORATORY ANALYSIS**

Mr. Peter Beaver  
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September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number:  
 Date Collected:  
 Date Received:  
 Client Sample ID:  
Parameter

70 0397570  
 09/19/94  
 09/20/94  
 STA#11132

<u>Units</u>	<u>MDL</u>	<u>EFF</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS  
 1,2-Dichloroethane-d4 (Surrog. Recovery) %  
 Toluene-d8 (Surrogate Recovery) %  
 4-Bromofluorobenzene (Surrog.Recovery) %

110	09/23/94
82	09/23/94
98	09/23/94

Mr. Peter Beaver  
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September 30, 1994  
PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0397588  
Date Collected: 09/19/94  
Date Received: 09/20/94  
Client Sample ID: STA#11132

Parameter	Units	MDL	Field Blank	DATE ANALYZED
<u>ORGANIC ANALYSIS</u>				
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	5	ND	09/23/94
Vinyl Chloride	ug/L	5	ND	09/23/94
Bromomethane	ug/L	5	ND	09/23/94
Chloroethane	ug/L	5	ND	09/23/94
Trichlorofluoromethane	ug/L	5	ND	09/23/94
1,1-Dichloroethene	ug/L	5	ND	09/23/94
Methylene Chloride	ug/L	5	ND	09/23/94
trans-1,2-Dichloroethene	ug/L	5	ND	09/23/94
1,1-Dichloroethane	ug/L	5	ND	09/23/94
Chloroform	ug/L	5	ND	09/23/94
1,1,1-Trichloroethane	ug/L	5	ND	09/23/94
1,2-Dichloroethane	ug/L	5	ND	09/23/94
Carbon Tetrachloride	ug/L	5	ND	09/23/94
Benzene	ug/L	50	410 D	09/23/94
1,2-Dichloropropane	ug/L	5	ND	09/23/94
Trichloroethene (TCE)	ug/L	5	ND	09/23/94
Bromodichloromethane	ug/L	5	ND	09/23/94
trans-1,3-Dichloropropene	ug/L	5	ND	09/23/94
2-Chloroethyl vinyl ether	ug/L	5	ND	09/23/94
Toluene	ug/L	50	190 D	09/23/94
cis-1,3-Dichloropropene	ug/L	5	ND	09/23/94
1,1,2-Trichloroethane	ug/L	5	ND	09/23/94
Dibromochloromethane	ug/L	5	ND	09/23/94
Tetrachloroethene	ug/L	5	ND	09/23/94
Chlorobenzene	ug/L	5	ND	09/23/94
Ethylbenzene	ug/L	5	ND	09/23/94
Bromoform	ug/L	5	ND	09/23/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	09/23/94
1,3-Dichlorobenzene	ug/L	5	ND	09/23/94
1,4-Dichlorobenzene	ug/L	5	ND	09/23/94
1,2-Dichlorobenzene	ug/L	5	ND	09/23/94

Mr. Peter Beaver  
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September 30, 1994  
PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0397588  
Date Collected: 09/19/94  
Date Received: 09/20/94  
Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>Field</u>	<u>Blank</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS					
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		112		09/23/94
Toluene-d8 (Surrogate Recovery)	%		85		09/23/94
4-Bromofluorobenzene (Surrog.Recovery)	%		102		09/23/94

These data have been reviewed and are approved for release.



Darrell C. Cain  
Regional Director

Mr. Peter Beaver  
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FOOTNOTES  
for pages 1 through 8

September 30, 1994  
PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

D Compound identified at secondary dilution factor.  
MDL Method Detection Limit  
ND Not detected at or above the MDL.

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

EXTRACTABLE FUELS EPA 3510/8015  
 Batch: 70 34392  
 Samples: 70 0397553

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dup1 Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	73%	97%	28%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 34287

Samples: 70 0397553, 70 0397561, 70 0397570, 70 0397588

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Chloromethane	ug/L	5	ND
Vinyl Chloride	ug/L	5	ND
Bromomethane	ug/L	5	ND
Chloroethane	ug/L	5	ND
Trichlorofluoromethane	ug/L	5	ND
1,1-Dichloroethene	ug/L	5	ND
Methylene Chloride	ug/L	5	ND
trans-1,2-Dichloroethene	ug/L	5	ND
1,1-Dichloroethane	ug/L	5	ND
Chloroform	ug/L	5	ND
1,1,1-Trichloroethane	ug/L	5	ND
1,2-Dichloroethane	ug/L	5	ND
Carbon Tetrachloride	ug/L	5	ND
Benzene	ug/L	5	ND
1,2-Dichloropropane	ug/L	5	ND
Trichloroethene (TCE)	ug/L	5	ND
Bromodichloromethane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	5	ND
2-Chloroethyl vinyl ether	ug/L	5	ND
Toluene	ug/L	5	ND
cis-1,3-Dichloropropene	ug/L	5	ND
1,1,2-Trichloroethane	ug/L	5	ND
Dibromochloromethane	ug/L	5	ND
Tetrachloroethene	ug/L	5	ND
Chlorobenzene	ug/L	5	ND
Ethylbenzene	ug/L	5	ND
Bromoform	ug/L	5	ND
1,1,2,2,-Tetrachloroethane	ug/L	5	ND
1,3-Dichlorobenzene	ug/L	5	ND
1,4-Dichlorobenzene	ug/L	5	ND
1,2-Dichlorobenzene	ug/L	5	ND
1,2-Dichloroethane-d4 (Surrog. Recovery %			98



Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 34287

Samples: 70 0397553, 70 0397561, 70 0397570, 70 0397588

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Toluene-d8 (Surrogate Recovery)	%		86
4-Bromofluorobenzene (Surrog.Recovery)	%		95

SPIKE:

Parameter	Units	MDL	700393523	Spike	Spike Recv
Chloromethane	ug/L	5	ND	20	127%
Vinyl Chloride	ug/L	5	ND	20	121%
Bromomethane	ug/L	5	ND	20	141%
Chloroethane	ug/L	5	ND	20	122%
Trichlorofluoromethane	ug/L	5	ND	20	147%
1,1-Dichloroethene	ug/L	5	ND	20	104%
Methylene Chloride	ug/L	5	ND	20	105%
trans-1,2-Dichloroethene	ug/L	5	ND	20	104%
1,1-Dichloroethane	ug/L	5	ND	20	105%
Chloroform	ug/L	5	14	20	106%
1,1,1-Trichloroethane	ug/L	5	ND	20	107%
1,2-Dichloroethane	ug/L	5	ND	20	105%
Carbon Tetrachloride	ug/L	5	ND	20	105%
Benzene	ug/L	5	ND	20	98%
1,2-Dichloropropane	ug/L	5	ND	20	94%
Trichloroethene (TCE)	ug/L	5	ND	20	98%
Bromodichloromethane	ug/L	5	ND	20	98%
trans-1,3-Dichloropropene	ug/L	5	ND	20	93%
2-Chloroethyl vinyl ether	ug/L	5	ND	20	0%
Toluene	ug/L	5	ND	20	82%
cis-1,3-Dichloropropene	ug/L	5	ND	20	91%
1,1,2-Trichloroethane	ug/L	5	ND	20	97%
Dibromochloromethane	ug/L	5	ND	20	118%
Tetrachloroethene	ug/L	5	ND	20	82%
Chlorobenzene	ug/L	5	ND	20	100%
Ethylbenzene	ug/L	5	ND	20	109%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 30, 1994  
PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 34287

Samples: 70 0397553, 70 0397561, 70 0397570, 70 0397588

SPIKE:

Parameter	Units	MDL	700393523	Spike	Spike Recv
Bromoform	ug/L	5	ND	20	111%
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	20	105%
1,3-Dichlorobenzene	ug/L	5	ND	20	104%
1,4-Dichlorobenzene	ug/L	5	ND	20	102%
1,2-Dichlorobenzene	ug/L	5	ND	20	107%

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chloromethane	ug/L	5	20	123%
Vinyl Chloride	ug/L	5	20	117%
Bromomethane	ug/L	5	20	93%
Chloroethane	ug/L	5	20	74%
Trichlorofluoromethane	ug/L	5	20	108%
1,1-Dichloroethene	ug/L	5	20	103%
Methylene Chloride	ug/L	5	20	103%
trans-1,2-Dichloroethene	ug/L	5	20	101%
1,1-Dichloroethane	ug/L	5	20	104%
Chloroform	ug/L	5	20	99%
1,1,1-Trichloroethane	ug/L	5	20	98%
1,2-Dichloroethane	ug/L	5	20	103%
Carbon Tetrachloride	ug/L	5	20	102%
Benzene	ug/L	5	20	97%
1,2-Dichloropropane	ug/L	5	20	92%
Trichloroethene (TCE)	ug/L	5	20	94%
Bromodichloromethane	ug/L	5	20	98%
trans-1,3-Dichloropropene	ug/L	5	20	95%
2-Chloroethyl vinyl ether	ug/L	5	20	119%
Toluene	ug/L	5	20	80%
cis-1,3-Dichloropropene	ug/L	5	20	95%
1,1,2-Trichloroethane	ug/L	5	20	98%
Dibromochloromethane	ug/L	5	20	119%
Tetrachloroethene	ug/L	5	20	78%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 30, 1994  
 PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 34287

Samples: 70 0397553, 70 0397561, 70 0397570, 70 0397588

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chlorobenzene	ug/L	5	20	98%
Ethylbenzene	ug/L	5	20	99%
Bromoform	ug/L	5	20	112%
1,1,2,2,-Tetrachloroethane	ug/L	5	20	103%
1,3-Dichlorobenzene	ug/L	5	20	102%
1,4-Dichlorobenzene	ug/L	5	20	101%
1,2-Dichlorobenzene	ug/L	5	20	108%

Mr. Peter Beaver  
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FOOTNOTES  
for pages 10 through 14

September 30, 1994  
PACE Project Number: 440920509

Client Reference: BP Site #11132/10-024-04-001

MDL Method Detection Limit  
ND Not detected at or above the MDL.  
RPD Relative Percent Difference



440920.509

### CHAIN OF CUSTODY

No. 051208

Page 1 of 1

CONSULTANT'S NAME <b>ALISTO ENGINEERING GROUP</b>		ADDRESS <b>1777 OAKLAND BLVD #200</b>		CITY <b>WC</b>	STATE <b>CA</b>	ZIP CODE <b>94596</b>
BP SITE NUMBER <b>11132</b>	BP CORNER ADDRESS/CITY <b>3201 35th Ave</b>			CONSULTANT PROJECT NUMBER <b>10-024-04-001</b>		
CONSULTANT PROJECT MANAGER <b>Pete Bauer</b>		PHONE NUMBER <b>(510) 295-1650</b>		FAX NUMBER		CONSULTANT CONTRACT NUMBER
BP CONTACT		BP ADDRESS		PHONE NUMBER		FAX NO
LAB CONTACT <b>Ron Chew</b>		LABORATORY ADDRESS <b>11 Digital Dr Novato CA</b>		PHONE NUMBER <b>(415) 883-6100</b>		FAX NO
SAMPLED BY (Please Print Name) <b>Scott Polston</b>		SAMPLED BY (Signature) <i>[Signature]</i>		SHIPMENT DATE		SHIPMENT METHOD

TAT:  24 Hours  48 Hours  1 Week  Standard 2 Weeks

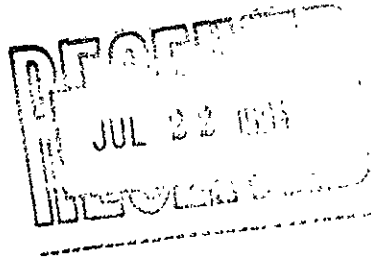
ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE DATE COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	Hcl	624	PH	pH	pH	COMMENTS
			NO.	TYPE (VOL.)							
Sta# 11132-Inf	1535	GW	5								
Sta# 11132-A	1539	↓	3								
Sta# 11132-Eff	1641	↓	↓								
Sta# 11132-Field Blank	1542	↓	↓								

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ADDITIONAL COMMENTS
<i>[Signature]</i>	9/19/94	12:30	<i>[Signature]</i>	9/20/94	12:30	5/1 C/2
<i>[Signature]</i>	9/20/94	5:00	<i>[Signature]</i>	9/20/94	5:00	

July 21, 1994



Mr. Peter Beaver  
Alisto Engineering Group  
1777 Oakland Blvd, Ste. 200  
Walnut Creek, CA 94596

RE: PACE Project No. 440715.513  
Client Reference: BP Site #11132/10-024-04-001

Dear Mr. Beaver:

Enclosed is the report of laboratory analyses for samples received July 15, 1994.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Ronald M. Chew  
Project Manager

Enclosures



# REPORT OF LABORATORY ANALYSIS

Alisto Engineering Group  
 1777 Oakland Blvd, Ste. 200  
 Walnut Creek, CA 94596

July 21, 1994  
 PACE Project Number: 440715513

Attn: Mr. Peter Beaver

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0356890  
 Date Collected: 07/14/94  
 Date Received: 07/15/94  
 Client Sample ID: STA#11132

Parameter	Units	MDL	INF	DATE ANALYZED
<b>ORGANIC ANALYSIS</b>				
EXTRACTABLE FUELS EPA 3510/8015				
Extractable Fuels, as Diesel	mg/L	0.05	ND	07/19/94
Date Extracted			07/18/94	
VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
Chloromethane	ug/L	5	ND	07/18/94
Vinyl Chloride	ug/L	5	ND	07/18/94
Bromomethane	ug/L	5	ND	07/18/94
Chloroethane	ug/L	5	ND	07/18/94
Trichlorofluoromethane	ug/L	5	ND	07/18/94
1,1-Dichloroethene	ug/L	5	ND	07/18/94
Methylene Chloride	ug/L	5	ND	07/18/94
trans-1,2-Dichloroethene	ug/L	5	ND	07/18/94
1,1-Dichloroethane	ug/L	5	ND	07/18/94
Chloroform	ug/L	5	ND	07/18/94
1,1,1-Trichloroethane	ug/L	5	ND	07/18/94
1,2-Dichloroethane	ug/L	5	ND	07/18/94
Carbon Tetrachloride	ug/L	5	ND	07/18/94
Benzene	ug/L	5	ND	07/18/94
1,2-Dichloropropane	ug/L	5	ND	07/18/94
Trichloroethene (TCE)	ug/L	5	ND	07/18/94
Bromodichloromethane	ug/L	5	ND	07/18/94
trans-1,3-Dichloropropene	ug/L	5	ND	07/18/94
2-Chloroethyl vinyl ether	ug/L	5	ND	07/18/94
Toluene	ug/L	5	ND	07/18/94
cis-1,3-Dichloropropene	ug/L	5	ND	07/18/94
1,1,2-Trichloroethane	ug/L	5	ND	07/18/94
Dibromochloromethane	ug/L	5	ND	07/18/94
Tetrachloroethene	ug/L	5	ND	07/18/94
Chlorobenzene	ug/L	5	ND	07/18/94

Mr. Peter Beaver  
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July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0356890  
 Date Collected: 07/14/94  
 Date Received: 07/15/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>INF</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Ethylbenzene	ug/L	5	ND	07/18/94
Bromoform	ug/L	5	ND	07/18/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	07/18/94
1,3-Dichlorobenzene	ug/L	5	ND	07/18/94
1,4-Dichlorobenzene	ug/L	5	ND	07/18/94
1,2-Dichlorobenzene	ug/L	5	ND	07/18/94
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		111	07/18/94
Toluene-d8 (Surrogate Recovery)	%		102	07/18/94
4-Bromofluorobenzene (Surrog.Recovery)	%		111	07/18/94



Mr. Peter Beaver  
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July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0356903  
 Date Collected: 07/14/94  
 Date Received: 07/15/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>A</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Chloromethane	ug/L	5	ND	07/18/94
Vinyl Chloride	ug/L	5	ND	07/18/94
Bromomethane	ug/L	5	ND	07/18/94
Chloroethane	ug/L	5	ND	07/18/94
Trichlorofluoromethane	ug/L	5	ND	07/18/94
1,1-Dichloroethene	ug/L	5	ND	07/18/94
Methylene Chloride	ug/L	5	ND	07/18/94
trans-1,2-Dichloroethene	ug/L	5	ND	07/18/94
1,1-Dichloroethane	ug/L	5	ND	07/18/94
Chloroform	ug/L	5	ND	07/18/94
1,1,1-Trichloroethane	ug/L	5	ND	07/18/94
1,2-Dichloroethane	ug/L	5	ND	07/18/94
Carbon Tetrachloride	ug/L	5	ND	07/18/94
Benzene	ug/L	5	ND	07/18/94
1,2-Dichloropropane	ug/L	5	ND	07/18/94
Trichloroethene (TCE)	ug/L	5	ND	07/18/94
Bromodichloromethane	ug/L	5	ND	07/18/94
trans-1,3-Dichloropropene	ug/L	5	ND	07/18/94
2-Chloroethyl vinyl ether	ug/L	5	ND	07/18/94
Toluene	ug/L	5	ND	07/18/94
cis-1,3-Dichloropropene	ug/L	5	ND	07/18/94
1,1,2-Trichloroethane	ug/L	5	ND	07/18/94
Dibromochloromethane	ug/L	5	ND	07/18/94
Tetrachloroethene	ug/L	5	ND	07/18/94
Chlorobenzene	ug/L	5	ND	07/18/94
Ethylbenzene	ug/L	5	ND	07/18/94
Bromoform	ug/L	5	ND	07/18/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	07/18/94
1,3-Dichlorobenzene	ug/L	5	ND	07/18/94
1,4-Dichlorobenzene	ug/L	5	ND	07/18/94
1,2-Dichlorobenzene	ug/L	5	ND	07/18/94

**REPORT OF LABORATORY ANALYSIS**

Mr. Peter Beaver  
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July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0356903  
 Date Collected: 07/14/94  
 Date Received: 07/15/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>A</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		111	07/18/94
Toluene-d8 (Surrogate Recovery)	%		103	07/18/94
4-Bromofluorobenzene (Surrog.Recovery)	%		112	07/18/94

Mr. Peter Beaver  
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July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0356911  
 Date Collected: 07/14/94  
 Date Received: 07/15/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>EFF</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Chloromethane	ug/L	5	ND	07/18/94
Vinyl Chloride	ug/L	5	ND	07/18/94
Bromomethane	ug/L	5	ND	07/18/94
Chloroethane	ug/L	5	ND	07/18/94
Trichlorofluoromethane	ug/L	5	ND	07/18/94
1,1-Dichloroethene	ug/L	5	ND	07/18/94
Methylene Chloride	ug/L	5	ND	07/18/94
trans-1,2-Dichloroethene	ug/L	5	ND	07/18/94
1,1-Dichloroethane	ug/L	5	ND	07/18/94
Chloroform	ug/L	5	ND	07/18/94
1,1,1-Trichloroethane	ug/L	5	ND	07/18/94
1,2-Dichloroethane	ug/L	5	ND	07/18/94
Carbon Tetrachloride	ug/L	5	ND	07/18/94
Benzene	ug/L	5	ND	07/18/94
1,2-Dichloropropane	ug/L	5	ND	07/18/94
Trichloroethene (TCE)	ug/L	5	ND	07/18/94
Bromodichloromethane	ug/L	5	ND	07/18/94
trans-1,3-Dichloropropene	ug/L	5	ND	07/18/94
2-Chloroethyl vinyl ether	ug/L	5	ND	07/18/94
Toluene	ug/L	5	ND	07/18/94
cis-1,3-Dichloropropene	ug/L	5	ND	07/18/94
1,1,2-Trichloroethane	ug/L	5	ND	07/18/94
Dibromochloromethane	ug/L	5	ND	07/18/94
Tetrachloroethene	ug/L	5	ND	07/18/94
Chlorobenzene	ug/L	5	ND	07/18/94
Ethylbenzene	ug/L	5	ND	07/18/94
Bromoform	ug/L	5	ND	07/18/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	07/18/94
1,3-Dichlorobenzene	ug/L	5	ND	07/18/94
1,4-Dichlorobenzene	ug/L	5	ND	07/18/94
1,2-Dichlorobenzene	ug/L	5	ND	07/18/94

Mr. Peter Beaver  
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July 21, 1994  
PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0356911  
Date Collected: 07/14/94  
Date Received: 07/15/94  
Client Sample ID: STA#11132  

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>EFF</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

1,2-Dichloroethane-d4 (Surrog. Recovery) %		108		07/18/94
Toluene-d8 (Surrogate Recovery) %		98		07/18/94
4-Bromofluorobenzene (Surrog.Recovery) %		106		07/18/94

These data have been reviewed and are approved for release.



Darrell C. Cain  
Regional Director

Mr. Peter Beaver  
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FOOTNOTES  
for pages 1 through 6

July 21, 1994  
PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

MDL Method Detection Limit  
ND Not detected at or above the MDL.

Mr. Peter Beaver  
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QUALITY CONTROL DATA

July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

EXTRACTABLE FUELS EPA 3510/8015  
 Batch: 70 32151  
 Samples: 70 0356890

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	92%	94%	2%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 32131

Samples: 70 0356890, 70 0356903, 70 0356911

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Chloromethane	ug/L	5	ND
Vinyl Chloride	ug/L	5	ND
Bromomethane	ug/L	5	ND
Chloroethane	ug/L	5	ND
Trichlorofluoromethane	ug/L	5	ND
1,1-Dichloroethene	ug/L	5	ND
Methylene Chloride	ug/L	5	ND
trans-1,2-Dichloroethene	ug/L	5	ND
1,1-Dichloroethane	ug/L	5	ND
Chloroform	ug/L	5	ND
1,1,1-Trichloroethane	ug/L	5	ND
1,2-Dichloroethane	ug/L	5	ND
Carbon Tetrachloride	ug/L	5	ND
Benzene	ug/L	5	ND
1,2-Dichloropropane	ug/L	5	ND
Trichloroethene (TCE)	ug/L	5	ND
Bromodichloromethane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	5	ND
2-Chloroethyl vinyl ether	ug/L	5	ND
Toluene	ug/L	5	ND
cis-1,3-Dichloropropene	ug/L	5	ND
1,1,2-Trichloroethane	ug/L	5	ND
Dibromochloromethane	ug/L	5	ND
Tetrachloroethene	ug/L	5	ND
Chlorobenzene	ug/L	5	ND
Ethylbenzene	ug/L	5	ND
Bromoform	ug/L	5	ND
1,1,2,2,-Tetrachloroethane	ug/L	5	ND
1,3-Dichlorobenzene	ug/L	5	ND
1,4-Dichlorobenzene	ug/L	5	ND
1,2-Dichlorobenzene	ug/L	5	ND
1,2-Dichloroethane-d4 (Surrog. Recovery %			105

Mr. Peter Beaver  
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QUALITY CONTROL DATA

July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS  
 Batch: 70 32131  
 Samples: 70 0356890, 70 0356903, 70 0356911

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Toluene-d8 (Surrogate Recovery)	%		100
4-Bromofluorobenzene (Surrog.Recovery)	%		111

SPIKE:

Parameter	Units	MDL	700356733	Spike	Spike Recv
Chloromethane	ug/L	5	ND	20	117%
Vinyl Chloride	ug/L	5	ND	20	100%
Bromomethane	ug/L	5	ND	20	108%
Chloroethane	ug/L	5	ND	20	115%
Trichlorofluoromethane	ug/L	5	ND	20	98%
1,1-Dichloroethene	ug/L	5	ND	20	98%
Methylene Chloride	ug/L	5	ND	20	104%
trans-1,2-Dichloroethene	ug/L	5	ND	20	100%
1,1-Dichloroethane	ug/L	5	ND	20	106%
Chloroform	ug/L	5	ND	20	104%
1,1,1-Trichloroethane	ug/L	5	ND	20	110%
1,2-Dichloroethane	ug/L	5	ND	20	108%
Carbon Tetrachloride	ug/L	5	ND	20	98%
Benzene	ug/L	5	ND	20	107%
1,2-Dichloropropane	ug/L	5	ND	20	108%
Trichloroethene (TCE)	ug/L	5	ND	20	104%
Bromodichloromethane	ug/L	5	ND	20	102%
trans-1,3-Dichloropropene	ug/L	5	ND	20	100%
2-Chloroethyl vinyl ether	ug/L	5	ND	20	0%
Toluene	ug/L	5	ND	20	104%
cis-1,3-Dichloropropene	ug/L	5	ND	20	100%
1,1,2-Trichloroethane	ug/L	5	ND	20	117%
Dibromochloromethane	ug/L	5	ND	20	103%
Tetrachloroethene	ug/L	5	ND	20	100%
Chlorobenzene	ug/L	5	ND	20	106%
Ethylbenzene	ug/L	5	ND	20	107%



Mr. Peter Beaver  
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QUALITY CONTROL DATA

July 21, 1994  
PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 32131

Samples: 70 0356890, 70 0356903, 70 0356911

SPIKE:

Parameter	Units	MDL	700356733	Spike	Spike Recv
Bromoform	ug/L	5	ND	20	112%
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	20	137%
1,3-Dichlorobenzene	ug/L	5	ND	20	118%
1,4-Dichlorobenzene	ug/L	5	ND	20	116%
1,2-Dichlorobenzene	ug/L	5	ND	20	128%

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chloromethane	ug/L	5	20	112%
Vinyl Chloride	ug/L	5	20	99%
Bromomethane	ug/L	5	20	107%
Chloroethane	ug/L	5	20	116%
Trichlorofluoromethane	ug/L	5	20	99%
1,1-Dichloroethene	ug/L	5	20	98%
Methylene Chloride	ug/L	5	20	104%
trans-1,2-Dichloroethene	ug/L	5	20	98%
1,1-Dichloroethane	ug/L	5	20	103%
Chloroform	ug/L	5	20	103%
1,1,1-Trichloroethane	ug/L	5	20	105%
1,2-Dichloroethane	ug/L	5	20	105%
Carbon Tetrachloride	ug/L	5	20	94%
Benzene	ug/L	5	20	103%
1,2-Dichloropropane	ug/L	5	20	105%
Trichloroethene (TCE)	ug/L	5	20	103%
Bromodichloromethane	ug/L	5	20	98%
trans-1,3-Dichloropropene	ug/L	5	20	97%
2-Chloroethyl vinyl ether	ug/L	5	20	118%
Toluene	ug/L	5	20	102%
cis-1,3-Dichloropropene	ug/L	5	20	97%
1,1,2-Trichloroethane	ug/L	5	20	110%
Dibromochloromethane	ug/L	5	20	100%
Tetrachloroethene	ug/L	5	20	101%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

July 21, 1994  
 PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS  
 Batch: 70 32131  
 Samples: 70 0356890, 70 0356903, 70 0356911

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chlorobenzene	ug/L	5	20	104%
Ethylbenzene	ug/L	5	20	106%
Bromoform	ug/L	5	20	107%
1,1,2,2,-Tetrachloroethane	ug/L	5	20	129%
1,3-Dichlorobenzene	ug/L	5	20	117%
1,4-Dichlorobenzene	ug/L	5	20	114%
1,2-Dichlorobenzene	ug/L	5	20	127%

Mr. Peter Beaver  
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FOOTNOTES  
for pages 8 through 12

July 21, 1994  
PACE Project Number: 440715513

Client Reference: BP Site #11132/10-024-04-001

MDL Method Detection Limit  
ND Not detected at or above the MDL.  
RPD Relative Percent Difference



440715.513

### CHAIN OF CUSTODY

No.053130

Page 1 of 1

CONSULTANT'S NAME <b>Alisto Engineering Group</b>		ADDRESS <b>1777 OAKLAND BLVD #200</b>		CITY <b>WC</b>	STATE <b>CA</b>	ZIP CODE
BP SITE NUMBER <b>11132</b>	BP CORNER ADDRESS/CITY <b>3201 35th AVE OAKLAND CA</b>				CONSULTANT PROJECT NUMBER <b>10-024-04-001</b>	
CONSULTANT PROJECT MANAGER <b>POPE BEAVER</b>		PHONE NUMBER <b>(510) 295-1650</b>		FAX NUMBER		CONSULTANT CONTRACT NUMBER <b>6028838</b>
BP CONTACT		BP ADDRESS		PHONE NUMBER		FAX NO
LAB CONTACT <b>RON CHEW</b>		LABORATORY ADDRESS <b>11 Digital Dr Novato CA</b>		PHONE NUMBER <b>(415) 883-6100</b>		FAX NO
SAMPLED BY (Please Print Name) <b>SCOTT POLSTON</b>		SAMPLED BY (Signature) <i>[Signature]</i>		SHIPMENT DATE		SHIPMENT METHOD

TAT:  24 Hours  48 Hours  1 Week  Standard 2 Weeks

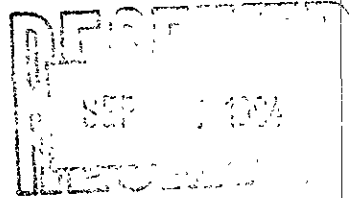
ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	4cc 24 6 TPH D	None												COMMENTS
			NO.	TYPE (VOL.)	LAB SAMPLE #														
Sta# 11132 INF	800	GW	5		35699.0	X	X												PH ~ 7
Sta# 11132 A	0803	↓	3		35690.3	X													
Sta# 11132 EFF	0805	↓	3		35691.1	X													

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ADDITIONAL COMMENTS
<i>[Signature]</i>	7/15/94	1430	Ed Kelly Rose	7/15/94	1430	10/2 B11
Ed Kelly Rose	7/15/94	1630	Der McL...	7/15/94	1630	

September 01, 1994



Mr. Peter Beaver  
Alisto Engineering Group  
1777 Oakland Blvd, Ste. 200  
Walnut Creek, CA 94596

RE: PACE Project No. 440824.520  
Client Reference: BP Site #11132/10-024-04-001

Dear Mr. Beaver:

Enclosed is the report of laboratory analyses for samples received August 24, 1994.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Ronald M. Chew  
Project Manager

Enclosures

Alisto Engineering Group  
 1777 Oakland Blvd, Ste. 200  
 Walnut Creek, CA 94596

September 01, 1994  
 PACE Project Number: 440824520

Attn: Mr. Peter Beaver

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0380618  
 Date Collected: 08/23/94  
 Date Received: 08/24/94  
 Client Sample ID: STA#11132

Parameter	Units	MDL	INF	DATE ANALYZED
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ORGANIC ANALYSIS

EXTRACTABLE FUELS EPA 3510/8015

Extractable Fuels, as Diesel	mg/L	0.05	1.1	08/30/94
Date Extracted			08/29/94	

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Chloromethane	ug/L	5	ND	08/26/94
Vinyl Chloride	ug/L	5	ND	08/26/94
Bromomethane	ug/L	5	ND	08/26/94
Chloroethane	ug/L	5	ND	08/26/94
Trichlorofluoromethane	ug/L	5	ND	08/26/94
1,1-Dichloroethene	ug/L	5	ND	08/26/94
Methylene Chloride	ug/L	5	ND	08/26/94
trans-1,2-Dichloroethene	ug/L	5	ND	08/26/94
1,1-Dichloroethane	ug/L	5	ND	08/26/94
Chloroform	ug/L	5	ND	08/26/94
1,1,1-Trichloroethane	ug/L	5	ND	08/26/94
1,2-Dichloroethane	ug/L	5	ND	08/26/94
Carbon Tetrachloride	ug/L	5	ND	08/26/94
Benzene	ug/L	25	330 D	08/26/94
1,2-Dichloropropane	ug/L	5	ND	08/26/94
Trichloroethene (TCE)	ug/L	5	ND	08/26/94
Bromodichloromethane	ug/L	5	ND	08/26/94
trans-1,3-Dichloropropene	ug/L	5	ND	08/26/94
2-Chloroethyl vinyl ether	ug/L	5	ND	08/26/94
Toluene	ug/L	5	7	08/26/94
cis-1,3-Dichloropropene	ug/L	5	ND	08/26/94
1,1,2-Trichloroethane	ug/L	5	ND	08/26/94
Dibromochloromethane	ug/L	5	ND	08/26/94
Tetrachloroethene	ug/L	5	ND	08/26/94
Chlorobenzene	ug/L	5	ND	08/26/94

Mr. Peter Beaver  
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September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0380618  
 Date Collected: 08/23/94  
 Date Received: 08/24/94  
 Client Sample ID: STA#11132  
 Parameter

Units                      MDL                      INF                      DATE ANALYZED

ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Ethylbenzene	ug/L	5	200	08/26/94
Bromoform	ug/L	5	ND	08/26/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/26/94
1,3-Dichlorobenzene	ug/L	5	ND	08/26/94
1,4-Dichlorobenzene	ug/L	5	ND	08/26/94
1,2-Dichlorobenzene	ug/L	5	ND	08/26/94
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		109	08/26/94
Toluene-d8 (Surrogate Recovery)	%		109	08/26/94
4-Bromofluorobenzene (Surrog.Recovery)	%		ND	08/26/94

Mr. Peter Beaver  
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September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0380626  
 Date Collected: 08/23/94  
 Date Received: 08/24/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>A</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Chloromethane	ug/L	5	ND	08/26/94
Vinyl Chloride	ug/L	5	ND	08/26/94
Bromomethane	ug/L	5	ND	08/26/94
Chloroethane	ug/L	5	ND	08/26/94
Trichlorofluoromethane	ug/L	5	ND	08/26/94
1,1-Dichloroethene	ug/L	5	ND	08/26/94
Methylene Chloride	ug/L	5	ND	08/26/94
trans-1,2-Dichloroethene	ug/L	5	ND	08/26/94
1,1-Dichloroethane	ug/L	5	ND	08/26/94
Chloroform	ug/L	5	ND	08/26/94
1,1,1-Trichloroethane	ug/L	5	ND	08/26/94
1,2-Dichloroethane	ug/L	5	ND	08/26/94
Carbon Tetrachloride	ug/L	5	ND	08/26/94
Benzene	ug/L	5	ND	08/26/94
1,2-Dichloropropane	ug/L	5	ND	08/26/94
Trichloroethene (TCE)	ug/L	5	ND	08/26/94
Bromodichloromethane	ug/L	5	ND	08/26/94
trans-1,3-Dichloropropene	ug/L	5	ND	08/26/94
2-Chloroethyl vinyl ether	ug/L	5	ND	08/26/94
Toluene	ug/L	5	ND	08/26/94
cis-1,3-Dichloropropene	ug/L	5	ND	08/26/94
1,1,2-Trichloroethane	ug/L	5	ND	08/26/94
Dibromochloromethane	ug/L	5	ND	08/26/94
Tetrachloroethene	ug/L	5	ND	08/26/94
Chlorobenzene	ug/L	5	ND	08/26/94
Ethylbenzene	ug/L	5	ND	08/26/94
Bromoform	ug/L	5	ND	08/26/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/26/94
1,3-Dichlorobenzene	ug/L	5	ND	08/26/94
1,4-Dichlorobenzene	ug/L	5	ND	08/26/94
1,2-Dichlorobenzene	ug/L	5	ND	08/26/94



Mr. Peter Beaver  
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September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0380626  
 Date Collected: 08/23/94  
 Date Received: 08/24/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>A</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

1,2-Dichloroethane-d4 (Surrog. Recovery)	%	111		08/26/94
Toluene-d8 (Surrogate Recovery)	%	108		08/26/94
4-Bromofluorobenzene (Surrog.Recovery)	%	109		08/26/94

Mr. Peter Beaver  
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September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number: 70 0380634  
 Date Collected: 08/23/94  
 Date Received: 08/24/94  
 Client Sample ID: STA#11132

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>EFF</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Chloromethane	ug/L	5	ND	08/26/94
Vinyl Chloride	ug/L	5	ND	08/26/94
Bromomethane	ug/L	5	ND	08/26/94
Chloroethane	ug/L	5	ND	08/26/94
Trichlorofluoromethane	ug/L	5	ND	08/26/94
1,1-Dichloroethene	ug/L	5	ND	08/26/94
Methylene Chloride	ug/L	5	ND	08/26/94
trans-1,2-Dichloroethene	ug/L	5	ND	08/26/94
1,1-Dichloroethane	ug/L	5	ND	08/26/94
Chloroform	ug/L	5	ND	08/26/94
1,1,1-Trichloroethane	ug/L	5	ND	08/26/94
1,2-Dichloroethane	ug/L	5	ND	08/26/94
Carbon Tetrachloride	ug/L	5	ND	08/26/94
Benzene	ug/L	5	ND	08/26/94
1,2-Dichloropropane	ug/L	5	ND	08/26/94
Trichloroethene (TCE)	ug/L	5	ND	08/26/94
Bromodichloromethane	ug/L	5	ND	08/26/94
trans-1,3-Dichloropropene	ug/L	5	ND	08/26/94
2-Chloroethyl vinyl ether	ug/L	5	ND	08/26/94
Toluene	ug/L	5	ND	08/26/94
cis-1,3-Dichloropropene	ug/L	5	ND	08/26/94
1,1,2-Trichloroethane	ug/L	5	ND	08/26/94
Dibromochloromethane	ug/L	5	ND	08/26/94
Tetrachloroethene	ug/L	5	ND	08/26/94
Chlorobenzene	ug/L	5	ND	08/26/94
Ethylbenzene	ug/L	5	ND	08/26/94
Bromoform	ug/L	5	ND	08/26/94
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	08/26/94
1,3-Dichlorobenzene	ug/L	5	ND	08/26/94
1,4-Dichlorobenzene	ug/L	5	ND	08/26/94
1,2-Dichlorobenzene	ug/L	5	ND	08/26/94

Mr. Peter Beaver  
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September 01, 1994  
PACE Project Number: 440824520

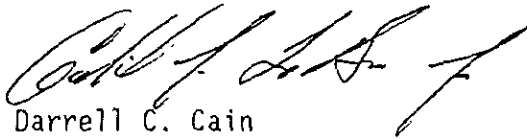
Client Reference: BP Site #11132/10-024-04-001

PACE Sample Number:			70 0380634	
Date Collected:			08/23/94	
Date Received:			08/24/94	
Client Sample ID:			STA#11132	
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>EFF</u>	<u>DATE ANALYZED</u>

ORGANIC ANALYSIS

VOLATILE ORGANICS, EPA METHOD 624 GC/MS				
1,2-Dichloroethane-d4 (Surrog. Recovery)	%		111	08/26/94
Toluene-d8 (Surrogate Recovery)	%		107	08/26/94
4-Bromofluorobenzene (Surrog.Recovery)	%		110	08/26/94

These data have been reviewed and are approved for release.



Darrell C. Cain  
Regional Director

Mr. Peter Beaver  
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FOOTNOTES  
for pages 1 through 6

September 01, 1994  
PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

D Compound identified at secondary dilution factor.  
MDL Method Detection Limit  
ND Not detected at or above the MDL.

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

EXTRACTABLE FUELS EPA 3510/8015  
 Batch: 70 33491  
 Samples: 70 0380618

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Extractable Fuels, as Diesel	mg/L	0.05	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dup1 Recv	RPD
Extractable Fuels, as Diesel	mg/L	0.05	1.00	70%	89%	24%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 33341

Samples: 70 0380618, 70 0380626, 70 0380634

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Chloromethane	ug/L	5	ND
Vinyl Chloride	ug/L	5	ND
Bromomethane	ug/L	5	ND
Chloroethane	ug/L	5	ND
Trichlorofluoromethane	ug/L	5	ND
1,1-Dichloroethene	ug/L	5	ND
Methylene Chloride	ug/L	5	ND
trans-1,2-Dichloroethene	ug/L	5	ND
1,1-Dichloroethane	ug/L	5	ND
Chloroform	ug/L	5	ND
1,1,1-Trichloroethane	ug/L	5	ND
1,2-Dichloroethane	ug/L	5	ND
Carbon Tetrachloride	ug/L	5	ND
Benzene	ug/L	5	ND
1,2-Dichloropropane	ug/L	5	ND
Trichloroethene (TCE)	ug/L	5	ND
Bromodichloromethane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	5	ND
2-Chloroethyl vinyl ether	ug/L	5	ND
Toluene	ug/L	5	ND
cis-1,3-Dichloropropene	ug/L	5	ND
1,1,2-Trichloroethane	ug/L	5	ND
Dibromochloromethane	ug/L	5	ND
Tetrachloroethene	ug/L	5	ND
Chlorobenzene	ug/L	5	ND
Ethylbenzene	ug/L	5	ND
Bromoform	ug/L	5	ND
1,1,2,2,-Tetrachloroethane	ug/L	5	ND
1,3-Dichlorobenzene	ug/L	5	ND
1,4-Dichlorobenzene	ug/L	5	ND
1,2-Dichlorobenzene	ug/L	5	ND
1,2-Dichloroethane-d4 (Surrog. Recovery %			107

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS  
 Batch: 70 33341  
 Samples: 70 0380618, 70 0380626, 70 0380634

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Toluene-d8 (Surrogate Recovery)	%		107
4-Bromofluorobenzene (Surrog. Recovery)	%		111

SPIKE:

Parameter	Units	MDL	700375720	Spike	Spike Recv
Chloromethane	ug/L	5	ND	20	106%
Vinyl Chloride	ug/L	5	ND	20	103%
Bromomethane	ug/L	5	ND	20	103%
Chloroethane	ug/L	5	ND	20	87%
Trichlorofluoromethane	ug/L	5	ND	20	102%
1,1-Dichloroethene	ug/L	5	ND	20	97%
Methylene Chloride	ug/L	5	ND	20	113%
trans-1,2-Dichloroethene	ug/L	5	ND	20	100%
1,1-Dichloroethane	ug/L	5	ND	20	98%
Chloroform	ug/L	5	ND	20	114%
1,1,1-Trichloroethane	ug/L	5	ND	20	101%
1,2-Dichloroethane	ug/L	5	ND	20	90%
Carbon Tetrachloride	ug/L	5	ND	20	98%
Benzene	ug/L	5	ND	20	98%
1,2-Dichloropropane	ug/L	5	ND	20	98%
Trichloroethene (TCE)	ug/L	5	ND	20	97%
Bromodichloromethane	ug/L	5	ND	20	94%
trans-1,3-Dichloropropane	ug/L	5	ND	20	96%
2-Chloroethyl vinyl ether	ug/L	5	ND	20	97%
Toluene	ug/L	5	ND	20	104%
cis-1,3-Dichloropropane	ug/L	5	ND	20	95%
1,1,2-Trichloroethane	ug/L	5	ND	20	100%
Dibromochloromethane	ug/L	5	ND	20	94%
Tetrachloroethene	ug/L	5	ND	20	103%
Chlorobenzene	ug/L	5	ND	20	100%
Ethylbenzene	ug/L	5	ND	20	106%

Mr. Peter Beaver  
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QUALITY CONTROL DATA

September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 33341

Samples: 70 0380618, 70 0380626, 70 0380634

SPIKE:

Parameter	Units	MDL	700375720	Spike	Spike Recv
Bromoform	ug/L	5	ND	20	93%
1,1,2,2,-Tetrachloroethane	ug/L	5	ND	20	115%
1,3-Dichlorobenzene	ug/L	5	ND	20	110%
1,4-Dichlorobenzene	ug/L	5	ND	20	107%
1,2-Dichlorobenzene	ug/L	5	ND	20	113%

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chloromethane	ug/L	5	20	110%
Vinyl Chloride	ug/L	5	20	111%
Bromomethane	ug/L	5	20	110%
Chloroethane	ug/L	5	20	85%
Trichlorofluoromethane	ug/L	5	20	109%
1,1-Dichloroethene	ug/L	5	20	107%
Methylene Chloride	ug/L	5	20	107%
trans-1,2-Dichloroethene	ug/L	5	20	106%
1,1-Dichloroethane	ug/L	5	20	105%
Chloroform	ug/L	5	20	104%
1,1,1-Trichloroethane	ug/L	5	20	100%
1,2-Dichloroethane	ug/L	5	20	101%
Carbon Tetrachloride	ug/L	5	20	100%
Benzene	ug/L	5	20	99%
1,2-Dichloropropane	ug/L	5	20	103%
Trichloroethene (TCE)	ug/L	5	20	102%
Bromodichloromethane	ug/L	5	20	99%
trans-1,3-Dichloropropene	ug/L	5	20	100%
2-Chloroethyl vinyl ether	ug/L	5	20	100%
Toluene	ug/L	5	20	102%
cis-1,3-Dichloropropene	ug/L	5	20	101%
1,1,2-Trichloroethane	ug/L	5	20	109%
Dibromochloromethane	ug/L	5	20	98%
Tetrachloroethene	ug/L	5	20	102%



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QUALITY CONTROL DATA

September 01, 1994  
 PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

VOLATILE ORGANICS, EPA METHOD 624 GC/MS

Batch: 70 33341

Samples: 70 0380618, 70 0380626, 70 0380634

LABORATORY CONTROL SAMPLE:

Parameter	Units	MDL	Reference Value	Recv
Chlorobenzene	ug/L	5	20	101%
Ethylbenzene	ug/L	5	20	105%
Bromoform	ug/L	5	20	101%
1,1,2,2,-Tetrachloroethane	ug/L	5	20	117%
1,3-Dichlorobenzene	ug/L	5	20	111%
1,4-Dichlorobenzene	ug/L	5	20	108%
1,2-Dichlorobenzene	ug/L	5	20	115%

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FOOTNOTES  
for pages 8 through 12

September 01, 1994  
PACE Project Number: 440824520

Client Reference: BP Site #11132/10-024-04-001

MDL Method Detection Limit  
ND Not detected at or above the MDL.  
RPD Relative Percent Difference



440824.520

CHAIN OF CUSTODY

No.063433

Page 1 of 1

CONSULTANT'S NAME <b>ALISTO ENGINEERING GROUP</b>		ADDRESS <b>1777 OAKLAND BLVD #200</b>		CITY <b>WC</b>	STATE <b>CA</b>	ZIP CODE <b>94596</b>
BP SITE NUMBER <b>11132</b>	BP CORNER ADDRESS/CITY <b>3201 35TH AVE OAKLAND CA</b>				CONSULTANT PROJECT NUMBER <b>10-024-04-001</b>	
CONSULTANT PROJECT MANAGER <b>Pete BEAVER</b>		PHONE NUMBER <b>(510) 295-1650</b>		FAX NUMBER		CONSULTANT CONTRACT NUMBER <b>6028838</b>
BP CONTACT	BP ADDRESS		PHONE NUMBER		FAX NO	
LAB CONTACT <b>Ron Chew</b>	LABORATORY ADDRESS <b>11 Digital Dr Novato CA</b>		PHONE NUMBER <b>(415) 883-6100</b>		FAX NO	
SAMPLED BY (Please Print Name) <b>Scott Polston</b>			SAMPLED BY (Signature) <i>[Signature]</i>		SHIPMENT DATE	SHIPMENT METHOD

TAT:  24 Hours  48 Hours  1 Week  Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE 6/23/94 COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS		PRESERVATIVE	HCL	N/A	TPH	REMARKS	COMMENTS
			NO.	TYPE (VOL.)						
Sta # 11132 - INF	0731	GW	5			X		X		
Sta # 11132 - A	0734	↓	3			X				
Sta # 11132 - EFF	0736	↓	3			X				

RELINQUISHED BY / AFFILIATION <i>[Signature]</i>	DATE 8/24/94	TIME 1545	ACCEPTED BY / AFFILIATION <i>[Signature]</i>	DATE 8/24/94	TIME 1600	ADDITIONAL COMMENTS 10/2 F/3
<i>[Signature]</i>	8/24/94	1900	DRUCE	8/24/94	1900	