03

ALISTO ENGINEERING GROUP

ENVIRONMENTAL PROTECTION

95 OCT 16 PM 2:59

Appears to be effective in removing HCs.

October 12, 1995

Ms. Eva Chu
Department of Environmental Health
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-657780

10-025-07-002

Subject: Sewer Discharge Permit - Semi-Annual Report
BP Oil Company Service Station No. 11133
2220 98th Avenue
Oakland, California
Wastewater Discharge Permit No. 503-00381

Dear Ms. Chu:

On behalf of BP Oil Company, we have enclosed a summary of analytical results for the remediation system sampling events and quantity discharged for BP Oil Company Service Station No. 11133, 2220 98th Avenue, Oakland, California. This report covers the period from April 1 to September 30, 1995.

The groundwater treatment system was started in March 1995. 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 laboratory reports and chain of custody records are presented in Attachment A.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

1575 TREAT BOULEVARD, SUITE 201 • WALNUT CREEK, CA 94598 • (510) 295-1650 • (510) 295-1823
CONTRACTORS LICENSE NO. A-652544

Please call if you have questions regarding this report.

Sincerely,

ALISTO ENGINEERING GROUP

Peter Beaver
Engineering Manager

cc: Scott Hooton, BP Oil Company
Cynthia Adkinson, East Bay Municipal Utility District

TABLE 1 - FLOW DATA FOR GROUNDWATER TREATMENT SYSTEM
BP OIL COMPANY SERVICE STATION NO. 11133
2220 98TH AVENUE, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-025

DATE	FLOW METER READING (Gallons)	EFFLUENT DISCHARGED (Gallons)	AVERAGE FLOW RATE (GPD)	AVERAGE FLOW RATE (GPM)
03/21/95	0	0	0	0.00
03/27/95	3069	3069	512	0.71
05/02/95	4280	1211	34	0.05
06/01/95	5390	1110	37	0.05
06/28/95	7634	2244	83	0.12
07/31/95	9480	1846	56	0.08
08/30/95	11869	2389	80	0.11
09/28/95	19572	7703	266	0.37
TOTAL FOR SIX MONTHS		16503	111	0.08

ABBREVIATIONS:

GPD Gallons per day
GPM Gallons per minute

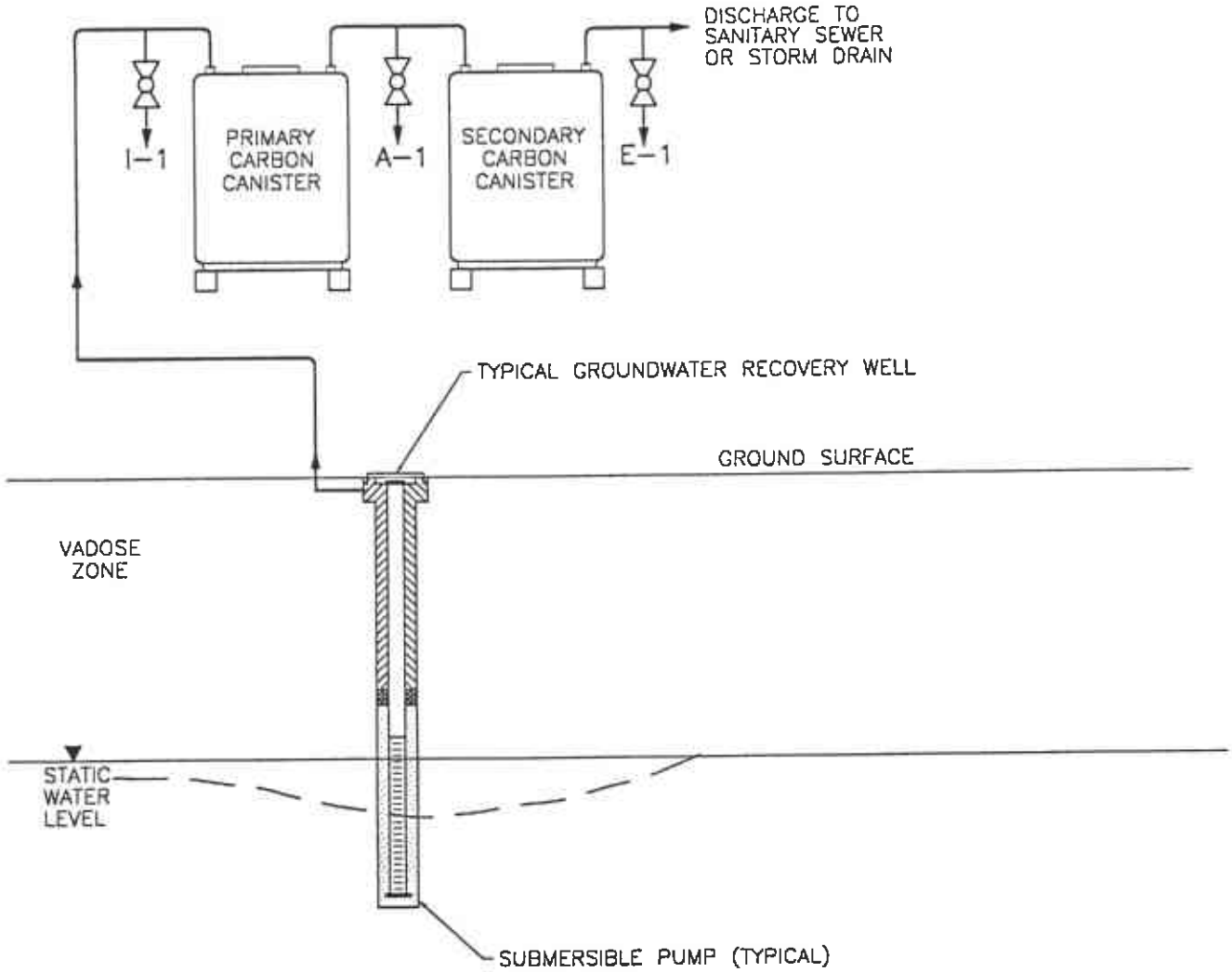
TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER TREATMENT SYSTEM OPERATION
BP OIL COMPANY SERVICE STATION NO. 11133
2220 98TH AVENUE, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-025

Sample ID	Date	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	DCE (ug/l)	Lead (mg/l)	LAB
I-1	03/21/95	180000	32000	55000	5100	27000	—	—	—	ATI
I-1	04/03/95	210000	31000	68000	6600	35000	—	—	—	ATI
I-1	05/23/95	160000	17000	38000	4400	26000	—	—	0.006	ATI
I-1	06/20/95	330000	27000	55000	7600	41000	—	—	—	ATI
QC-1	06/20/95	200000	21000	45000	5300	30000	—	—	—	ATI
I-1	08/29/95	160000	34000	54000	4700	24000	7600	ND<500	—	ATI
I-1	09/19/95	230000	28000	40000	3800	21000	—	440	—	ATI
PS-1	03/21/95	47000	690	4200	1400	8400	—	—	—	ATI
PS-1	04/03/95	150000	26000	42000	3500	18000	—	—	—	ATI
PS-1	05/23/95	35000	1400	4900	1100	6800	—	—	—	ATI
PS-1	06/20/95	60000	5200	11000	1400	9000	—	—	—	ATI
PS-1	08/29/95	25000	150	1000	500	3300	ND<250	—	—	ATI
PS-1	09/19/95	55000	—	—	—	—	—	—	—	ATI
A-1	03/21/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	—	ATI
A-1	04/03/95	ND<50	ND<0.50	0.50	ND<0.50	ND<1.0	—	—	—	ATI
A-1	05/23/95	1200	ND<1.0	2.2	3.4	22	—	—	—	ATI
A-1	06/20/95	88	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	—	ATI
A-1	08/29/95	340	7.1	68	5.3	92	5.2	—	—	ATI
A-1	09/19/95	ND<500	ND<1	ND<2	ND<1	ND<1	—	ND<1	—	ATI
B-1	03/21/95	88	ND<0.50	2	ND<0.50	2	—	—	—	ATI
B-1	04/03/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	—	ATI
B-1	05/23/95	240	ND<0.50	0.68	0.93	7.2	—	—	—	ATI
B-1	06/20/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	—	ATI
B-1	08/29/95	37000	54	420	600	3500	260	—	—	ATI
B-1	09/19/95	550	ND<1	ND<2	ND<1	9	—	ND<1	—	ATI
E-1	03/21/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	ND<0.002	ATI
E-1	04/03/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	0.007	ATI
E-1	05/23/95	140	ND<0.50	ND<0.50	ND<0.50	2.3	—	—	—	ATI
QC-1	05/23/95	250	ND<0.50	ND<0.50	1.0	7.5	—	—	—	ATI
E-1	06/20/95	ND<50	ND<0.50	ND<0.50	ND<0.50	1.1	—	—	—	ATI
E-1	08/29/95	200	ND<1	ND<2	ND<1	ND<1	ND<5	—	—	ATI
E-1	09/19/95	ND<500	ND<1	ND<2	ND<1	ND<1	—	ND<1	—	ATI
QC-1	09/19/95	ND<500	—	—	—	—	—	—	—	ATI

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DCE	1,2-Dichloroethane
ug/l	Micrograms per liter
mg/l	Milligrams per liter
I-1	Influent sampling port
PS-1	Post air stripper sampling port
A-1	Intermediate sampling port
B-1	Intermediate sampling port
E-1	Effluent sampling port
QC-1	Field blank
ND	Not detected above reported detection limit
—	Not analyzed
ATI	Analytical Technologies, Inc.



LEGEND

I = INFLUENT
A = INTERMEDIATE
E = EFFLUENT

SAMPLE PORT

FIGURE 1

ACTIVATED CARBON TREATMENT SYSTEM SAMPLING LOCATIONS

BP OIL SERVICE STATION NO. 11133
2220 98TH AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 10–025

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

ATTACHMENT A

LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 504044

April 14, 1995

ALISTO ENGINEERING
1777 OAKLAND BOULEVARD, SUITE 200
WALNUT CREEK, CA 94596

Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA
Project # : G418846/10-025-07-001

Attention: PETER BEAVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
April 06, 1995	5	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

GARY STEWART
VOLATILES SUPERVISOR

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

Report Date: April 14, 1995
ATI I.D. : 504044

ATI #	Client Description	Matrix	Date Collected
1	STA#11133 INF	WATER	03-APR-95
2	STA#11133 PS	WATER	03-APR-95
3	STA#11133 A	WATER	03-APR-95
4	STA#11133 B	WATER	03-APR-95
5	STA#11133 EFF	WATER	03-APR-95

---TOTALS---

Matrix	# Samples
WATER	5

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D.: 504044

Analysis	Technique/Description
EPA 7421 (LEAD)	ATOMIC ABSORPTION/GRAPHITE FURNACE
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR

Analytical Technologies, Inc.

METALS RESULTS

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D.: 504044

Sample #	Client ID	Matrix	Date Sampled	Date Received
5	STA#11133 EFF	WATER	03-APR-95	06-APR-95

Parameter	Units	5
LEAD	MG/L	0.007

METALS - QUALITY CONTROL

DUP/MS

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
LEAD	504044-05	MG/L	0.007	0.008	13	1.95	2.00	97

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
LEAD	55669	MG/L	<0.002	1.79	2.00	90

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 504044
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA#11133 INF	WATER	03-APR-95	N/A	11-APR-95	1000.00
2	STA#11133 PS	WATER	03-APR-95	N/A	11-APR-95	500.00
3	STA#11133 A	WATER	03-APR-95	N/A	10-APR-95	1.00

Parameter	Units	1	2	3
BENZENE	UG/L	31000	26000	<0.50
TOLUENE	UG/L	68000	42000	0.50
ETHYLBENZENE	UG/L	6600	3500	<0.50
XYLENES (TOTAL)	UG/L	35000	18000	<1.0
FUEL HYDROCARBONS	UG/L	210000	150000	<50
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	86	99	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 504044
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA#11133 B	WATER	03-APR-95	N/A	10-APR-95	1.00
5	STA#11133 EFF	WATER	03-APR-95	N/A	10-APR-95	1.00

Parameter	Units	4	5
BENZENE	UG/L	<0.50	<0.50
TOLUENE	UG/L	<0.50	<0.50
ETHYLBENZENE	UG/L	<0.50	<0.50
XYLENES (TOTAL)	UG/L	<1.0	<1.0
FUEL HYDROCARBONS	UG/L	<50	<50
HYDROCARBON RANGE		C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE
SURROGATES			
TRIFLUOROTOLUENE	%	93	99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 34979
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044
Date Extracted: N/A
Date Analyzed : 10-APR-95
Dil. Factor : 1.00

Parameters	Units	Results
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	100

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 35004
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044
Date Extracted: N/A
Date Analyzed : 11-APR-95
Dil. Factor : 1.00

Parameters	Units	Results
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	102

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 74707
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044
Date Extracted: N/A
Date Analyzed : 11-APR-95
Sample Matrix : WATER
REF I.D. : 504048-03

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.8	96	5.1	102	6
TOLUENE	UG/L	<0.50	5.0	4.6	92	4.9	98	6

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 55685
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044
Date Extracted: N/A
Date Analyzed : 10-APR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	5.4	5.0	108
TOLUENE	UG/L	<0.50	5.5	5.0	110

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 55729
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE #11133/2220 98TH AVE OAKLAND, CA

ATI I.D. : 504044
Date Extracted: N/A
Date Analyzed : 11-APR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	5.4	5.0	108
TOLUENE	UG/L	<0.50	5.5	5.0	110

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: 504044 INITIALS: A.F.

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	1	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes/no Requested analysis: (yes/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/(no) Sample ID's: (yes)/no Date sampled: yes/(no) Matrix: (yes)/no # containers: yes/(no)	YES	(NO)
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.0 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: *6 No Date Collection, Collection Time No. of Containers, Type of Containers on C-O-C, they were left all Blank, filled in on C-O-C from Label. JF 4/6/95

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

CHAIN OF CUSTODY

No. 058692 | Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
Alisto Engineering	1777 Oakland Blvd. #200	Walnut Creek	CA	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
~~10-0~~ 11133	2220 98th Ave Oakland CA	10-025-07-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Peter Beaver	510-295-1650	510 295-1823	Cn 418546

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Hooton	Renton WA		

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Diana Spence	San Diego, CA		

SAMPLED BY (Please Print Name)	SAMPLED BY (Signature)	SHIPMENT DATE	SHIPMENT METHOD
John Bicking	John K. Bicking	4/5/95	

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 1 Week ☒ Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE 4/5/95 COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	HCL TPH-G BTEX	HCL 418.1 LEAD	COMMENTS
STA# 11133 INF		Water	3	VOA	01	✓		
STA# 11133 PS			3		02	✓		
STA# 11133 A			3		03	✓		
STA# 11133 B			3		04	✓		
STA# 11133 EFF			4	VOA 1 Liter poly	05	✓	✓	
Collection Date, Matrix No. & Type of Containers & Preservative filled in from bottles. a.m.								

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bicking	4/5/95	0730			
			C. Toth	4/6/95	10:15

ADDITIONAL COMMENTS

504044

2.0°C

CLV-16722

Distribution: White - Original (with Data); Yellow - BP; Pink - Lab; Blue - Consultant Field Staff

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 505267

June 05, 1995

ALISTO ENGINEERING
1777 OAKLAND BOULEVARD, SUITE 200
WALNUT CREEK, CA 94596

Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA
Project # : G418846/10-025-07-001

Attention: PETE BEAVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
May 25, 1995	6	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

GARY STEWART
VOLATILES SUPERVISOR

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Report Date: June 05, 1995
ATI I.D. : 505267

ATI #	Client Description	Matrix	Date Collected
1	STA#11133 INF	WATER	23-MAY-95
2	STA#11133 A	WATER	23-MAY-95
3	STA#11133 B	WATER	23-MAY-95
4	STA#11133 EFF	WATER	23-MAY-95
5	FIELD BLANK	WATER	23-MAY-95
6	STA#11133 PS	WATER	23-MAY-95

---TOTALS---

Matrix	# Samples
WATER	6

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D.: 505267

Analysis	Technique/Description
EPA 624 (GC/MS FOR VOLATILE ORGANICS)	GC/MASS SPECTROMETER
EPA 7421 (LEAD)	ATOMIC ABSORPTION/GRAPHITE FURNACE
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR

METALS RESULTS

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D.: 505267

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	STA#11133 INF	WATER	23-MAY-95	25-MAY-95

Parameter	Units	1
LEAD	MG/L	0.006S

METALS - QUALITY CONTROL

DUP/MS

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
LEAD	505257-10	MG/L	<0.002	<0.002	0	0.021	0.020	105

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
LEAD	56862	MG/L	<0.002	0.020	0.020	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA#11133 INF	WATER	23-MAY-95	N/A	02-JUN-95	1000.00
2	STA#11133 A	WATER	23-MAY-95	N/A	02-JUN-95	2.00
3	STA#11133 B	WATER	23-MAY-95	N/A	02-JUN-95	1.00

Parameter	Units	1	2	3
BENZENE	UG/L	17000	<1.0	<0.50
TOLUENE	UG/L	38000	2.2@E	0.68
ETHYLBENZENE	UG/L	4400	3.4	0.93
XYLENES (TOTAL)	UG/L	26000	22	7.2
FUEL HYDROCARBONS	UG/L	160000	1200	240
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	99	118	114

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA#11133 EFF	WATER	23-MAY-95	N/A	02-JUN-95	1.00
5	FIELD BLANK	WATER	23-MAY-95	N/A	03-JUN-95	1.00
6	STA#11133 PS	WATER	23-MAY-95	N/A	05-JUN-95	100.00

Parameter	Units	4	5	6
BENZENE	UG/L	<0.50	<0.50	1400
TOLUENE	UG/L	<0.50	<0.50	4900
ETHYLBENZENE	UG/L	<0.50	1.0	1100
XYLENES (TOTAL)	UG/L	2.3	7.5	6800
FUEL HYDROCARBONS	UG/L	140	250	35000
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	112	120	101

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 35593
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 02-JUN-95
Dil. Factor : 1.00

Parameters	Units	Results
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	100

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 35596
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 02-JUN-95
Dil. Factor : 1.00

Parameters	Units	Results
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	96

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 35599
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 05-JUN-95
Dil. Factor : 1.00

Parameters	Units	Results
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	98

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 76142
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 02-JUN-95
Sample Matrix : WATER
REF I.D. : 505267-03

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	5.0	100	5.0	100	0
TOLUENE	UG/L	0.68	5.0	5.5	96	5.6	98	2

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 56880
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 02-JUN-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.4	5.0	88
TOLUENE	UG/L	<0.50	4.8	5.0	96

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 56882
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 02-JUN-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.7	5.0	94
TOLUENE	UG/L	<0.50	5.1	5.0	102

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 56898
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 505267
Date Extracted: N/A
Date Analyzed : 05-JUN-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.8	5.0	96
TOLUENE	UG/L	<0.50	4.8	5.0	96

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: 505267 INITIALS: A.T.

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	/	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.0 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA ist stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memo

CHAIN OF CUSTODY

No. 055889 | Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
ALISTO ENGINEERING GROUP	1575 TREAT Blvd. Ste 201	WALNUT CREEK	CA	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11133	2220 98th AVE. OAKLAND, CA	10-025-07-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
PETE BEAVER	510 · 295-1650	510 · 295-1823	G4188846
BP CONTACT	**BP ADDRESS**	**PHONE NUMBER**	**FAX NO.**
SCOTT HOOTON	Renton, WA		
LAB CONTACT	**LABORATORY ADDRESS**	**PHONE NUMBER**	**FAX NO.**
GARY STEWART	San Diego, CA		
SAMPLED BY (Please Print Name)	**SAMPLED BY (Signature)**	**SHIPMENT DATE**	**SHIPMENT METHOD**
JOHN BICKING	John K. Bicking		

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 1 Week ☒ Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE 5/23/95	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH-G/BTEX		LEAD						COMMENTS
STA# 11133 INF		1630	GW	~~3~~	VOA	01	✓								
				1	LT				✓						
STA# 11133 A		1640		3		02	✓								
STA# 11133B		1650		3		03	✓								
STA# 11133EFF		1700		3		04	✓								
FIELD BLANK		1710		3		05	✓								
STA# 11133PS		1635		3		06	✓								

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bicking	5/24	1000			
			C. Tost	5/25/95	10:00

ADDITIONAL COMMENTS: 505267

2.0°C

CLV-16722

Distribution: White - Original (with Data); Yellow - BP; Pink - Lab; Blue - Consultant Field Staff

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 506268

July 05, 1995

ALISTO ENGINEERING
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK, CA 94598

Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA
Project # : G418846/10-025-07-001

Attention: PETE BEAVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
June 22, 1995	6	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

GARY STEWART
VOLATILES SUPERVISOR

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA

Report Date: July 05, 1995
ATI I.D. : 506268

ATI #	Client Description	Matrix	Date Collected
1	STA# 11133 INF	WATER	20-JUN-95
2	STA# 11133 PS	WATER	20-JUN-95
3	STA# 11133 A	WATER	20-JUN-95
4	STA# 11133 B	WATER	20-JUN-95
5	STA# 11133 EFF	WATER	20-JUN-95
6	STA# 11133 FIELD BLANK	WATER	20-JUN-95

---TOTALS---

Matrix	# Samples
WATER	6

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA

ATI I.D.: 506268

Analysis	Technique/Description
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 506268
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA# 11133 INF	WATER	20-JUN-95	N/A	01-JUL-95	1000.00
2	STA# 11133 PS	WATER	20-JUN-95	N/A	01-JUL-95	200.00
3	STA# 11133 A	WATER	20-JUN-95	N/A	01-JUL-95	1.00

Parameter	Units	1	2	3
BENZENE	UG/L	27000	5200	<0.50
TOLUENE	UG/L	55000	11000	<0.50
ETHYLBENZENE	UG/L	7600	1400	<0.50
XYLENES (TOTAL)	UG/L	41000	9000	<1.0
FUEL HYDROCARBONS	UG/L	330000	60000	88
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	101	101	104

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 506268
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA# 11133 B	WATER	20-JUN-95	N/A	01-JUL-95	1.00
5	STA# 11133 EFF	WATER	20-JUN-95	N/A	01-JUL-95	1.00
6	STA# 11133 FIELD BLANK	WATER	20-JUN-95	N/A	01-JUL-95	500.00

Parameter	Units	4	5	6
BENZENE	UG/L	<0.50	<0.50	21000
TOLUENE	UG/L	<0.50	<0.50	45000
ETHYLBENZENE	UG/L	<0.50	<0.50	5300
XYLENES (TOTAL)	UG/L	<1.0	1.1	30000
FUEL HYDROCARBONS	UG/L	<50	<50	200000
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	92	97	99

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 35916
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA

ATI I.D. : 506268
Date Extracted: N/A
Date Analyzed : 01-JUL-95
Dil. Factor : 1.00

Parameters	Units	Results
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	97

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 76835
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/98TH AVE. OAKLAND, CA

ATI I.D. : 506268
Date Extracted: N/A
Date Analyzed : 01-JUL-95
Sample Matrix : WATER
REF I.D. : 506268-03

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.9	98	4.9	98	0
TOLUENE	UG/L	<0.50	5.0	4.9	98	4.9	98	0

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 57427
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/98TH AVE. OAKLAND, CA

ATI I.D. : 506268
Date Extracted: N/A
Date Analyzed : 01-JUL-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.4	5.0	88
TOLUENE	UG/L	<0.50	4.6	5.0	92

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: 506268 INITIALS: LY

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	1 (#471)	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	(YES)	NO
	If yes, are seals intact ?	(YES)	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ?	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	3.9 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: VOA Vials for #06 Labled Field Blank + called Field Blank on COC, 10-22-95 All three vials contain Sediment.

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions:

*Or other representative documents, letters, and/or shipping memos

ATI #506268

CHAIN OF CUSTODY

No. 061517

Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
Alisto Engineering Group	1575 Treat Blvd. Ste 201	Walnut Creek	Ca	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11133	98th Ave Oakland, Ca	10-025-07-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Pete Bennett	510 295-1650	510 295 1652	G41884G

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Hooton	Benton, WA		

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Gary Stanaitis	San Diego, Ca		

SAMPLED BY (Please Print Name)	SAMPLED BY (Signature)	SHIPMENT DATE	SHIPMENT METHOD
John Bielen	John K. Bielen		Bell Aire

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 1 Week ☒ Standard 2 Weeks

AIRBILL NUMBER: 774148

ANALYSIS REQUIRED

SAMPLE DESCRIPTION	COLLECTION DATE / COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	HCL TPH-D BTEX	COMMENTS
Stat 11133 INF	6/20/95 0800	GW	3	VOA	01	✓	
Stat 11133 PS	0805		3		02		
Stat 11133 A	0810		3		03		
Stat 11133 B	0815		3		04		
Stat 11133 EFF	0820		3		05		
Stat 11133 Field Blank	0825	✓	3	✓	06	✓	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bielen	6/20/95	1100			
			[illegible] (ATI)	6-22-95	08:30

ADDITIONAL COMMENTS: Cooler # 471 = 3.9°C

CLV-16722

Distribution: White - Original (with Data)
Yellow - BP
Pink - Lab
Blue - Consultant Field Staff

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 50829

September 13, 1995

ALISTO ENGINEERING
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK, CA 94598

Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA
Project # : G418846/10-025-07-001

Attention: PETE BEAVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
August 30, 1995	5	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in th enclosed analytical schedule. The symbol for "less than" indicates a value below the reportabl detection limit. If any flags appear next to the analytical data in this report, please see th attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that th Sample Condition Upon Receipt Checklist is included at the end of this report.

GARY STEWART
VOLATILES SUPERVISOR

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

RECEIVED
SEP 22 1995

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

Report Date: September 13, 1995
ATI I.D. : 508292

ATI #	Client Description	Matrix	Date Collected
1	STA #11133 INF	WATER	29-AUG-95
2	STA #11133 A	WATER	29-AUG-95
3	STA #11133 B	WATER	29-AUG-95
4	STA #11133 PS	WATER	29-AUG-95
5	STA #11133 EFF	WATER	29-AUG-95

---TOTALS---

Matrix	# Samples
WATER	5

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D.: 508292

Analysis	Technique/Description
EPA 624 (GC/MS FOR VOLATILE ORGANICS)	GC/MASS SPECTROMETER
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 508292
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA #11133 INF	WATER	29-AUG-95	N/A	12-SEP-95	500.00
2	STA #11133 A	WATER	29-AUG-95	N/A	12-SEP-95	1.00
3	STA #11133 B	WATER	29-AUG-95	N/A	11-SEP-95	50.00

Parameter	Units	1	2	3
METHYL T-BUTYL ETHER	UG/L	7600	5.2@E	260@E
BENZENE	UG/L	31000	7.1	54
TOLUENE	UG/L	45000	68	420
ETHYLBENZENE	UG/L	4000	5.3	600
XYLENES (TOTAL)	UG/L	21000	92	3500
FUEL HYDROCARBONS	UG/L	160000	340	37000
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	99	102	90

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA #11133 PS	WATER	29-AUG-95	N/A	11-SEP-95	50.00
5	STA #11133 EFF	WATER	29-AUG-95	N/A	12-SEP-95	1.00

Parameter	Units	4	5
METHYL T-BUTYL ETHER	UG/L	<250	<5.0
BENZENE	UG/L	150	<0.50
TOLUENE	UG/L	1000	<0.50
ETHYLBENZENE	UG/L	500	0.61
XYLENES (TOTAL)	UG/L	3300	1.9
FUEL HYDROCARBONS	UG/L	25000	200
HYDROCARBON RANGE		C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE
SURROGATES			
TRIFLUOROTOLUENE	%	88	126

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36673
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 11-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	97

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36704
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 12-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	97

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 78465
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 12-SEP-95
Sample Matrix : WATER
REF I.D. : 508297-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	5.0	100	5.4	108	8
TOLUENE	UG/L	<0.50	5.0	5.1	102	5.7	114	11

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 58774
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 11-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.9	5.0	98
TOLUENE	UG/L	<0.50	5.0	5.0	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 58815
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 12-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	5.2	5.0	104
TOLUENE	UG/L	<0.50	5.3	5.0	106

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA #11133 INF	WATER	29-AUG-95	N/A	07-SEP-95	500.00
5	STA #11133 EFF	WATER	29-AUG-95	N/A	06-SEP-95	1.00

Parameter	Units	1	5
CHLOROMETHANE	UG/L	<5000	<10
VINYL CHLORIDE	UG/L	<2500	<5
BROMOMETHANE	UG/L	<5000	<10
CHLOROETHANE	UG/L	<2500	<5
ACETONE	UG/L	<5000	<10
1,1-DICHLOROETHENE	UG/L	<500	<1
METHYLENE CHLORIDE	UG/L	<2500	<5
CARBON DISULFIDE	UG/L	<1000	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<500	<1
1,1-DICHLOROETHANE	UG/L	<500	<1
CIS-1,2-DICHLOROETHENE	UG/L	<500	<1
CHLOROFORM	UG/L	<500	<1
2-BUTANONE (MEK)	UG/L	<5000	<10
1,1,1-TRICHLOROETHANE	UG/L	<500	<1
CARBON TETRACHLORIDE	UG/L	<500	<1
1,2-DICHLOROETHANE	UG/L	<500	<1
BENZENE	UG/L	34000	<1
TRICHLOROETHENE	UG/L	<500	<1
1,2-DICHLOROPROPANE	UG/L	<500	<1
BROMODICHLOROMETHANE	UG/L	<500	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<5000	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<500	<1
TOLUENE	UG/L	54000	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<500	<1
2-HEXANONE (MBK)	UG/L	<5000	<10
1,1,2-TRICHLOROETHANE	UG/L	<500	<1
TETRACHLOROETHENE	UG/L	<500	<1
DIBROMOCHLOROMETHANE	UG/L	<500	<1
CHLOROBENZENE	UG/L	<500	<1
ETHYLBENZENE	UG/L	4700	<1
XYLENES (TOTAL)	UG/L	24000	<1
STYRENE	UG/L	<1000	<2
BROMOFORM	UG/L	<2500	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<500	<1
DICHLORODIFLUOROMETHANE	UG/L	<5000	<10
TRICHLOROFLUOROMETHANE	UG/L	<2500	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<2500	<5
1,2-DICHLOROBENZENE	UG/L	<2500	<5

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
ATI I.D. : 508292
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA #11133 INF	WATER	29-AUG-95	N/A	07-SEP-95	500.00
5	STA #11133 EFF	WATER	29-AUG-95	N/A	06-SEP-95	1.00

Parameter	Units	1	5
1,3-DICHLOROBENZENE	UG/L	<2500	<5
1,4-DICHLOROBENZENE	UG/L	<2500	<5
SURROGATES			
1,2-DICHLOROETHANE-D4	%	97	101
TOLUENE-D8	%	105	104
BFB	%	104	103

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

WATER
ATI I.D.: 508292

Sample	Parameters	Units	Results
1	ALIPHATIC HYDROCARBON C5	UG/L	6000
	DIMETHYL CYCLOPROPANE ISOMER	UG/L	4000
	ETHYLMETHYL BENZENE ISOMER	UG/L	3000
5	UNKNOWN HYDROCARBON	UG/L	9
	ALIPHATIC HYDROCARBON C8	UG/L	40
	ALIPHATIC HYDROCARBON C8	UG/L	10
	ALIPHATIC HYDROCARBON C8	UG/L	30
	ALIPHATIC HYDROCARBON C10	UG/L	20

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 36631
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 06-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<5
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<5
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<2
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
DICHLORODIFLUOROMETHANE	UG/L	<10
TRICHLOROFLUOROMETHANE	UG/L	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<5
1,2-DICHLOROBENZENE	UG/L	<5
1,3-DICHLOROBENZENE	UG/L	<5
1,4-DICHLOROBENZENE	UG/L	<5
SURROGATES		
1,2-DICHLOROETHANE-D4	%	95
TOLUENE-D8	%	104
BFB	%	103

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 36631 ATI I.D. : 508292
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

Parameters	Units	Results
NONE DETECTED	N/A	N/A

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 36676
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 06-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<5
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<5
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<2
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
DICHLORODIFLUOROMETHANE	UG/L	<10
TRICHLOROFLUOROMETHANE	UG/L	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<5
1,2-DICHLOROBENZENE	UG/L	<5
1,3-DICHLOROBENZENE	UG/L	<5
1,4-DICHLOROBENZENE	UG/L	<5
SURROGATES		
1,2-DICHLOROETHANE-D4	%	96
TOLUENE-D8	%	102
BFB	%	103

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 36676 ATI I.D. : 508292
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

Parameters	Units	Results
NONE DETECTED	N/A	N/A

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

MSMSD

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
MSMSD # : 78244
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 01-SEP-95
Sample Matrix : WATER
REF I.D. : 508261-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
1,1-DICHLOROETHENE	UG/L	<1	50	56	112	57	114	2
BENZENE	UG/L	<1	50	53	106	56	112	6
TRICHLOROETHENE	UG/L	<1	50	56	112	59	118	5
TOLUENE	UG/L	<2	50	54	108	60	120	11
CHLOROBENZENE	UG/L	<1	50	58	116	61	122	5

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

BLANK SPIKE

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank Spike #: 58677
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND,CA

ATI I.D. : 508292
Date Extracted: N/A
Date Analyzed : 06-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	UG/L	<1	52	50	104
BENZENE	UG/L	<1	55	50	110
TRICHLOROETHENE	UG/L	<1	60	50	120
TOLUENE	UG/L	<2	55	50	110
CHLOROBENZENE	UG/L	<1	60	50	120

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: 508242 INITIALS: [illegible]

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	1 (#2073)	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ?	YES	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ?	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.9 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

ATI # 508292

CHAIN OF CUSTODY

No. 075886

Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
Alisto Engineering Group	1575 Treat Blvd Ste #201	Walnut Creek	CA	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11133	2220 98th Ave Oakland CA	10-025-07-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Pete Beaver	510 295-1650	510 295 1823	G41884-6

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Hooten	Renton, WA	206 251-0689	-

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Gary Stewart	San Diego CA	619 458 9141	—

SAMPLED BY (Please Print Name)	SAMPLED BY (Signature)	SHIPMENT DATE	SHIPMENT METHOD
John Bicking	John K. Bicking	8/29/95	FedEx

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 1 Week ☑ Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER 6808235811

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH-G/BTEX HCL		624 HCL							COMMENTS
STA# 11133 INF	8/29/95	1130	GW	6		01	✓		✓							
STA# 11133 A				3		02	✓									
STA# 11133 B				3		03	✓									
STA# 11133 PS				3		04	✓		✓							
STA# 11133 EFF				6		05	✓		✓							

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bicking	8/29/95	1225	Patricia Yelton	8/29	1225
Patricia Yelton	8/29/95	1530	[illegible] (ATI)	8/30/95	09:10

ADDITIONAL COMMENTS

Cooler #2073 = 2.9°C

CLV-16722
PKG/50

Distribution: White - Original (with Data)
Yellow - BP
Pink - Lab
Blue - Consultant Field Staff

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 509199

September 28, 1995

ALISTO ENGINEERING
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK, CA 94598

Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA
Project # : G418846/10-025-07-001

Attention: PETE BEAVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
September 20, 1995	6	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

GARY STEWART
VOLATILES SUPERVISOR

for ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Report Date: September 28, 1995
ATI I.D. : 509199

ATI #	Client Description	Matrix	Date Collected
1	STA# 11133 INF	WATER	19-SEP-95
2	STA# 11133 PS	WATER	19-SEP-95
3	STA# 11133 A	WATER	19-SEP-95
4	STA# 11133 B	WATER	19-SEP-95
5	STA# 11133 EFF	WATER	19-SEP-95
6	STA# 11133 Q-C-1	WATER	19-SEP-95

---TOTALS---

Matrix	# Samples
WATER	6

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

ANALYTICAL SCHEDULE

Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D.: 509199

Analysis	Technique/Description
EPA 624 (GC/MS FOR VOLATILE ORGANICS)	GC/MASS SPECTROMETER
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C7-C24)	GC/FLAME IONIZATION DETECTOR

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C7-C24)
Client : ALISTO ENGINEERING ATI I.D. : 509199
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA# 11133 INF	WATER	19-SEP-95	22-SEP-95	26-SEP-95	25.00
2	STA# 11133 PS	WATER	19-SEP-95	22-SEP-95	26-SEP-95	20.00
3	STA# 11133 A	WATER	19-SEP-95	22-SEP-95	22-SEP-95	1.00

Parameter	Units	1	2	3
FUEL HYDROCARBONS	MG/L	230	55	<0.50
HYDROCARBON RANGE		C7-C14	C7-C14	-
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	-
SURROGATES				
BIS(2-ETHYLHEXYL)PHTHALATE	%	N/A*K	N/A*K	130

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C7-C24)
Client : ALISTO ENGINEERING ATI I.D. : 509199
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA# 11133 B	WATER	19-SEP-95	22-SEP-95	26-SEP-95	1.00
5	STA# 11133 EFF	WATER	19-SEP-95	22-SEP-95	22-SEP-95	1.00
6	STA# 11133 Q-C-1	WATER	19-SEP-95	22-SEP-95	22-SEP-95	1.00

Parameter	Units	4	5	6
FUEL HYDROCARBONS	MG/L	0.55	<0.50	<0.50
HYDROCARBON RANGE		C7-C14	-	-
HYDROCARBONS QUANTITATED USING		GASOLINE	-	-
SURROGATES				
BIS(2-ETHYLHEXYL)PHTHALATE	%	129	129	128

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank I.D. : 36843
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199
Date Extracted: 22-SEP-95
Date Analyzed : 23-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
FUEL HYDROCARBONS	MG/L	<0.50
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	129

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 78780
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199
Date Extracted: 22-SEP-95
Date Analyzed : 22-SEP-95
Sample Matrix : WATER
REF I.D. : 509222-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/L	<0.50	10	13	130	13	130	0

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank Spike #: 59061
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199
Date Extracted: 22-SEP-95
Date Analyzed : 22-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
FUEL HYDROCARBONS	MG/L	<0.50	13	10	130

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING ATI I.D. : 509199
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA# 11133 INF	WATER	19-SEP-95	N/A	21-SEP-95	200.00
3	STA# 11133 A	WATER	19-SEP-95	N/A	21-SEP-95	1.00
4	STA# 11133 B	WATER	19-SEP-95	N/A	21-SEP-95	1.00

Parameter	Units	1	3	4
CHLOROMETHANE	UG/L	<2000	<10	<10
VINYL CHLORIDE	UG/L	<1000	<5	<5
BROMOMETHANE	UG/L	<2000	<10	<10
CHLOROETHANE	UG/L	<1000	<5	<5
ACETONE	UG/L	<2000	<10	<10
1,1-DICHLOROETHENE	UG/L	<200	<1	<1
METHYLENE CHLORIDE	UG/L	<1000	<5	<5
CARBON DISULFIDE	UG/L	<400	<2	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<200	<1	<1
1,1-DICHLOROETHANE	UG/L	<200	<1	<1
CIS-1,2-DICHLOROETHENE	UG/L	<200	<1	<1
CHLOROFORM	UG/L	<200	<1	<1
2-BUTANONE (MEK)	UG/L	<2000	<10	<10
1,1,1-TRICHLOROETHANE	UG/L	<200	<1	<1
CARBON TETRACHLORIDE	UG/L	<200	<1	<1
1,2-DICHLOROETHANE	UG/L	440	<1	<1
BENZENE	UG/L	28000	<1	<1
TRICHLOROETHENE	UG/L	<200	<1	<1
1,2-DICHLOROPROPANE	UG/L	<200	<1	<1
BROMODICHLOROMETHANE	UG/L	<200	<1	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<2000	<10	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<200	<1	<1
TOLUENE	UG/L	40000	<2	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<200	<1	<1
2-HEXANONE (MBK)	UG/L	<2000	<10	<10
1,1,2-TRICHLOROETHANE	UG/L	<200	<1	<1
TETRACHLOROETHENE	UG/L	<200	<1	<1
DIBROMOCHLOROMETHANE	UG/L	<200	<1	<1
CHLOROBENZENE	UG/L	<200	<1	<1
ETHYLBENZENE	UG/L	3800	<1	<1
XYLENES (TOTAL)	UG/L	21000	<1	9
STYRENE	UG/L	<400	<2	<2
BROMOFORM	UG/L	<1000	<5	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<200	<1	<1
DICHLORODIFLUOROMETHANE	UG/L	<2000	<10	<10
TRICHLOROFLUOROMETHANE	UG/L	<1000	<5	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<1000	<5	<5
1,2-DICHLOROBENZENE	UG/L	<1000	<5	<5

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING ATI I.D. : 509199
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA# 11133 INF	WATER	19-SEP-95	N/A	21-SEP-95	200.00
3	STA# 11133 A	WATER	19-SEP-95	N/A	21-SEP-95	1.00
4	STA# 11133 B	WATER	19-SEP-95	N/A	21-SEP-95	1.00

Parameter	Units	1	3	4
1,3-DICHLOROBENZENE	UG/L	<1000	<5	<5
1,4-DICHLOROBENZENE	UG/L	<1000	<5	<5
SURROGATES				
1,2-DICHLOROETHANE-D4	%	96	94	97
TOLUENE-D8	%	102	103	100
BFB	%	94	96	92

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

WATER
ATI I.D.: 509199

Sample	Parameters	Units	Results
1	ALIPHATIC HYDROCARBON C5	UG/L	3000
	ALIPHATIC HYDROCARBON C5	UG/L	1000
	ALIPHATIC HYDROCARBON C5	UG/L	2000
	ETHYLMETHYL BENZENE ISOMER	UG/L	3000
	TRIMETHYL BENZENE ISOMER	UG/L	2000
3	NONE DETECTED	N/A	N/A
4	ALIPHATIC HYDROCARBON C8	UG/L	30
	ALIPHATIC HYDROCARBON C8	UG/L	30
	ALIPHATIC HYDROCARBON C9	UG/L	20
	ETHYLMETHYL BENZENE ISOMER	UG/L	20
	TRIMETHYL BENZENE ISOMER	UG/L	40

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
5	STA# 11133 EFF	WATER	19-SEP-95	N/A	21-SEP-95	1.00

Parameter	Units	5
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<5
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<5
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<2
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
DICHLORODIFLUOROMETHANE	UG/L	<10
TRICHLOROFLUOROMETHANE	UG/L	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<5
1,2-DICHLOROBENZENE	UG/L	<5

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING ATI I.D. : 509199
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
5	STA# 11133 EFF	WATER	19-SEP-95	N/A	21-SEP-95	1.00

Parameter	Units	5
1,3-DICHLOROBENZENE	UG/L	<5
1,4-DICHLOROBENZENE	UG/L	<5
SURROGATES		
1,2-DICHLOROETHANE-D4	%	96
TOLUENE-D8	%	103
BFB	%	96

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

WATER
ATI I.D.: 509199

Sample	Parameters	Units	Results
5	NONE DETECTED	N/A	N/A

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 36837
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199
Date Extracted: N/A
Date Analyzed : 21-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<5
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<5
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<2
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
DICHLORODIFLUOROMETHANE	UG/L	<10
TRICHLOROFLUOROMETHANE	UG/L	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<5
1,2-DICHLOROBENZENE	UG/L	<5
1,3-DICHLOROBENZENE	UG/L	<5
1,4-DICHLOROBENZENE	UG/L	<5
SURROGATES		
1,2-DICHLOROETHANE-D4	%	95
TOLUENE-D8	%	100
BFB	%	96

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 36837 ATI I.D. : 509199
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

Parameters	Units	Results
NONE DETECTED	N/A	N/A

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

MSMSD

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
MSMSD # : 78725
Client : ALISTO ENGINEERING

Project # : G418846/10-025-07-001
Project Name: BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199
Date Extracted: N/A
Date Analyzed : 25-SEP-95
Sample Matrix : WATER
REF I.D. : 509158-02

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
1,1-DICHLOROETHENE	UG/L	<1	50	43	86	39	78	10
BENZENE	UG/L	<1	50	47	94	45	90	4
TRICHLOROETHENE	UG/L	<1	50	47	94	46	92	2
TOLUENE	UG/L	<2	50	49	98	48	96	2
CHLOROBENZENE	UG/L	<1	50	53	106	52	104	2

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

BLANK SPIKE

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank Spike #: 59029
Client : ALISTO ENGINEERING
Project # : G418846/10-025-07-001
Project Name : BP SITE#11133/2220 98TH AVE. OAKLAND, CA

ATI I.D. : 509199
Date Extracted: N/A
Date Analyzed : 21-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	UG/L	<1	41	50	82
BENZENE	UG/L	<1	46	50	92
TRICHLOROETHENE	UG/L	<1	46	50	92
TOLUENE	UG/L	<2	47	50	94
CHLOROBENZENE	UG/L	<1	52	50	104

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: 509199 INITIALS: LJ

ATI-San Diego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	1 (#2059)	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ?	YES	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ?	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.0 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

BP

ATI # 509199

CHAIN OF CUSTODY

No. 075883

Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
Alisto Engineering	1575 Treat Blvd. Ste 201	Walnut Creek	CA	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11133	2220 98th Ave. Oakland CA	10-025-07-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Pete Beaver	510 295-1650	510 295-1823	G41884.6

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
Scott Hooten	Renton, WA		

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Charm Stewart	San Diego, CA		

SAMPLED BY (Please Print Name)	SAMPLED BY (Signature)	SHIPMENT DATE	SHIPMENT METHOD
John Bicking	John K. Bicking		Fed Ex

TAT: ☐ 24 Hours ☐ 48 Hours ☐ 1 Week ☐ Standard 2 Weeks

ANALYSIS REQUIRED

AIRBILL NUMBER: 6680236710

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	1KL 624	1KL TPH1 G	COMMENTS
STA# 11133 INF	9/19/95	0830	GW	6	VOA	01	✓	✓	
STA# 11133 PS		0835		~~3~~		02	~~✓~~	✓	
STA# 11133 A		0840		6		03	✓	✓	
STA# 11133 B		0845		6		04	✓	✓	
STA# 11133 ETF		0850		6		05	✓	✓	
STA# 11133 Q-C-1		0855		3	✓	06		✓	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bicking	9/19/95	1200	Patricia Yelton	9/19/95	1300
Patricia Yelton	9/19/95	1400	M. Hunter/ATI	9/20/95	09:15

ADDITIONAL COMMENTS

Cooler # 2059 = 2.0°C

CLV-16722
PKG/50

Distribution: White - Original (with Data)
Yellow - BP
Pink - Lab
Blue - Consultant Field Staff