ALISTO ENGINEERING GROUP

ENVIRONMENTAL PROTECTION

95 APR 17 PM 2:40

LOP 3818

April 14, 1995

Mr. ~~Barney Chan~~ SH
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

10-024-04-002

Subject: Sewer Discharge Permit - Semi-Annual 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 quantity discharged for BP Oil Company Service Station No. 11132, 3201 35th Street, Oakland, California. The previous quarterly report covered the period from October 1 to December 31, 1994, therefore this report covers the period from January 1 to March 31, 1995. The next report will cover the period from April 1 to September 30, 1995.

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 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.

1777 OAKLAND BOULEVARD, SUITE 200 • WALNUT CREEK, CA 94596 • (510) 295-1650 • FAX (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

Enclosures

cc: Florencio Gonzalez, East Bay Municipal Utility District
Scott Hooton, BP Oil Company

ALISTO ENGINEERING GROUP

April 14, 1995

Mr. Florencio Gonzalez
Source Control Division
East Bay Municipal Utility District
P.O. Box 24055
Oakland, California 94623

10-024-04-002

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

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CONTRACTORS LICENSE NO. A-652544

Please call if you have questions regarding this report.

Sincerely,

ALISTO ENGINEERING GROUP

Peter Beaver
Engineering Manager

Enclosures

cc: Barney Chan, Alameda County Health Care Services Agency
Scott Hooton, BP Oil Company

TABLE 1 - FLOW DATA FOR GROUNDWATER TREATMENT SYSTEM
BP OIL COMPANY SERVICE STATION NO. 11132
3201 35TH STREET, OAKLAND, CALIFORNIA

ALISTO PROJECT NO. 10-024

DATE	FLOW METER READING (Gallons)		EFFLUENT DISCHARGED (Gallons)	AVERAGE FLOW RATE (GPD)	AVERAGE FLOW RATE (GPM)
01/22/93	48860		48860	---	0.00
02/23/93	48860	(a)	0	---	0.00
07/14/93	50770		1910	---	0.00
07/19/93	0	(b)	---	---	0.00
07/26/93	13700		13700	1957	1.36
08/17/93	37367		23667	1076	0.75
09/28/93	64180		26813	638	0.44
10/25/93	86610		22430	831	0.58
11/26/93	95550		8940	279	0.19
12/28/93	116960		21410	669	0.46
01/28/94	117200		240	8	0.01
02/28/94	164070		46870	1512	1.05
03/29/94	208760		44690	1541	1.07
04/29/94	243380		34620	1117	0.78
05/31/94	292140		48760	1524	1.06
09/03/94	410710		118570	1248	0.87
10/05/94	454250		43540	1361	0.94
10/31/94	464410		10160	391	0.27
11/29/94	482970		18560	640	0.44
12/07/94	508770		25800	3225	2.24
01/04/95	508770		0	0	0.00
01/30/95	547720		38950	1498	1.04
02/21/95	570040		22320	1015	0.70
03/30/95	623360		53320	1441	1.00
TOTAL FOR QUARTER			114590	1348	0.94

ABBREVIATIONS:

GPD	Gallons per day
GPM	Gallons per minute
---	Not available/applicable

NOTE:

(a)	Flow meter not operating. System shut down.
(b)	Flow meter replaced.

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	---	---	PACE
I-1		01/22/93	---	120	ND<0.5		250	84	590	54	---	PACE
I-1		07/26/93	---	620	2600		210	120	960	78	96	PACE
I-1		08/17/93	---	520	1200		58	35	300	ND<5.0	ND<5.0	PACE
I-1		09/22/93	4200	370	1000		110	38	520	---	---	PACE
I-1		10/20/93	---	140	930		32	8	190	---	---	PACE
I-1	(a)	11/18/93	---	470	970		72	19	410	ND<50	ND<50	PACE
I-1		12/07/93	---	2100	780	(b)	ND<5	ND<5	97	ND<50	ND<50	PACE
I-1		02/08/94	---	410000	3400		1400	610	7300	ND<2500	ND<2500	PACE
I-1		02/15/94	42000	6400	4400		2500	820	9400	ND<1200	ND<1200	PACE
I-1		03/15/94	---	1500	1200		200	38	780	ND<50	ND<50	PACE
I-1		04/15/94	---	2500	580		27	38	700	ND<50	ND<50	PACE
I-1		05/12/94	---	430	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
I-1		06/16/94	---	ND<50	150		11	ND<5	ND<5	---	---	PACE
I-1		07/14/94	---	ND<50	ND<5		ND<5	ND<5	ND<5	---	---	PACE
I-1		08/23/94	---	1100	330		7	200	---	---	---	PACE
I-1		09/19/94	---	580	280		62	ND<5	---	---	---	PACE
I-1		10/17/94	---	ND<50	ND<25		ND<25	ND<25	61	---	---	GTEL
I-1		11/18/94	---	4600	2200		880	140	2300	---	---	GTEL
I-1		01/17/95	---	960	980		83	6	300	---	---	ATI
I-1		02/21/95	---	4400	680		130	10	450	ND<50	ND<50	ATI
I-1		03/14/95	---	9000	740		ND<10	19	300	390 (c)	ND<50	ATI
A-1		11/06/92	---	---	---		---	---	---	---	---	PACE
A-1		01/22/93	---	ND<50	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
A-1		07/26/93	---	ND<50	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
A-1		08/17/93	---	ND<50	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
A-1		09/22/93	ND<50	---	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
A-1		10/20/93	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1	(a)	11/18/93	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		12/07/93	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		02/08/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		02/15/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		03/15/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		04/15/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		05/12/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
A-1		06/16/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	PACE
A-1		07/14/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	PACE
A-1		08/23/94	---	---	ND<5		ND<5	ND<5	---	---	---	PACE
A-1		09/19/94	---	---	ND<5		ND<5	ND<5	---	---	---	PACE
A-1		10/17/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	GTEL
A-1		11/18/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	GTEL
A-1		01/17/95	---	---	ND<1		ND<5	ND<1	ND<2	---	---	ATI
A-1		02/21/95	---	---	ND<1		ND<2	ND<1	ND<1	ND<10	ND<10	ATI
A-1		03/14/95	---	---	ND<1		ND<2	ND<1	ND<1	ND<10	ND<10	ATI
E-1		11/06/92	ND<50	---	ND<0.5		ND<0.5	ND<0.5	ND<.5	---	---	PACE
E-1		01/22/93	---	ND<50	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
E-1		07/26/93	---	ND<50	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
E-1		08/17/93	---	ND<50	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
E-1		09/22/93	ND<50	---	ND<0.5		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	PACE
E-1		10/20/93	---	---	ND<0.5		ND<5	ND<5	ND<5	ND<5	ND<5	PACE
E-1	(a)	11/18/93	---	---	400		22	5	120	ND<50	ND<5	PACE
E-1		12/07/93	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	140	PACE
E-1		02/08/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
E-1		02/15/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
E-1		03/15/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
E-1		04/15/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
E-1		05/12/94	---	---	ND<5		ND<5	ND<5	ND<5	ND<50	ND<50	PACE
E-1		06/16/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	PACE
E-1		07/14/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	PACE
E-1		08/23/94	---	---	ND<5		ND<5	ND<5	---	---	---	PACE
E-1		09/19/94	---	---	ND<5		ND<5	ND<5	---	---	---	PACE
E-1		10/17/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	GTEL
E-1		11/18/94	---	---	ND<5		ND<5	ND<5	ND<5	---	---	GTEL
E-1		01/17/95	---	---	ND<1		ND<5	ND<1	ND<2	---	---	ATI
E-1		02/21/95	---	---	ND<1		ND<2	ND<1	ND<1	ND<10	ND<10	ATI
E-1		03/14/95	---	---	ND<1		ND<2	ND<1	ND<1	ND<10	ND<10	ATI
QC-1		03/14/95	---	---	ND<1		ND<2	ND<1	ND<1	ND<10	ND<10	ATI

ABBREVIATIONS:

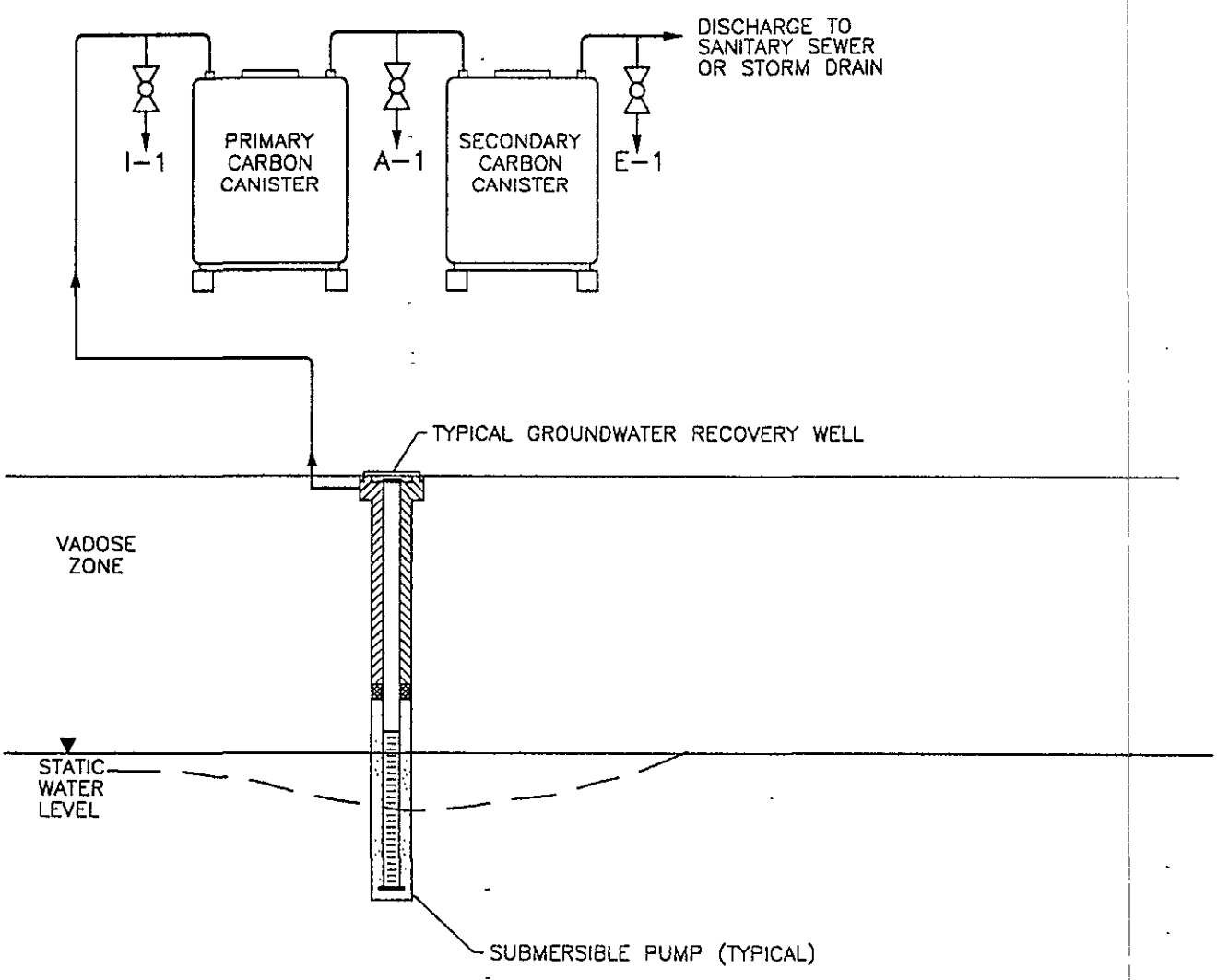
TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MEK	2-Butanone
ppb	Parts per billion
ND	Not detected above reported detection limit
---	Not analyzed/available
QC-1	Field blank
PACE	Pace, Inc.
GTEL	GTEL Environmental Laboratories, Inc.
ATI	Analytical Technologies, Inc.

NOTES:

(a) Suspected sample identification error.

(b) Sample dilution required to bring compound within linear calibration range.

(c) Analyte found in the associated reagent blank



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

10027U—.DWG 10-28-93 RKW 1=1

ATTACHMENT A

LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS

Analytical Technologies, Inc. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

SIGNATURE PAGE

Reviewed by: _____
ATI Project Manager

Client: BP OIL COMPANY
RENTON, WASHINGTON

Project Name: BP SITE #11132
Project Number: 10-024
Project Location: 3201 35TH STREET, OAKLAND, CA
Accession Number: 501467

Project Manager: PETE BEAVER (ALISTO, CA), SCOTT HOOTON (BP OIL)
Sampled By: JOHN BICKING

THIS IS A REVISED REPORT: February 3, 1995

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: DRO\PETRO. HYDROCARBON RANGE C10-C28

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Department:	SEMI-VOLATILE FUELS

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Test:	DRO\PETRO. HYDROCARBON RANGE C10-C28
Analysis Method:	DRO / 8015 - SW 846, EPA UST Work Group Nov. 1990, Mod. 8015
Extraction Method:	3510/SW-846, 3rd Edition, September 1986 and Revision 1, July 1992
Matrix:	LIQUID
QC Level:	N

Lab Id:	001	Sample Date/Time:	17-JAN-95 N/S
Client Sample Id:	STA#11132 INF	Received Date:	20-JAN-95
Batch: FPW011		Extraction Date:	20-JAN-95
Blank: A	Dry Weight %: N/A	Analysis Date:	24-JAN-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL PETROLEUM HYDROCARBON	UG/L	960	200(+)	
ORTHO TER PHENYL	%REC/SURR	91	37-140	
ANALYST	INITIALS	SJF		

Comments:
(+) ADJUSTED REPORTING LIMIT DUE TO SAMPLE VOLUME ANALYZED.

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 501467
Client: BP OIL COMPANY
Project Number: 10-024
Project Name: BP SITE #11132
Project Location: 3201 35TH STREET, OAKLAND, CA
Test: DRO\PETRO. HYDROCARBON RANGE C10-C28

Client Sample Id:	Parameter:	Unit:	Result:
STA#11132 INF	TOTAL PETROLEUM HYDROCARBON	UG/L	960

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
DGH = DARREL HALSELL
TLH = TARA HELTON
KW = KAREN WADSWORTH
MV = MONIQUE VERHEYDEN
SW = STEVE WILHITE
JMP = JACKIE PRICE
SJF = STEVE FILOROMO
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
KS = KENDALL SMITH

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: VOLATILES (624)

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Department:	ORGANIC/MS

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Test:	VOLATILES (624)
Analysis Method:	624 / Federal Register 40 CFR, Part 136, July 1, 1992
Extraction Method:	N/A
Matrix:	LIQUID
QC Level:	N

Lab Id: 001
Client Sample Id: STA#11132 INF

Sample Date/Time: 17-JAN-95 N/S
Received Date: 20-JAN-95

Batch: VIW007
Blank: C

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 20-JAN-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	960	10	
BROMODICHLOROMETHANE	UG/L	ND	1	
BROMOFORM	UG/L	ND	2	
BROMOMETHANE	UG/L	ND	1	
CARBON TETRACHLORIDE	UG/L	ND	2	
CHLOROETHANE	UG/L	ND	1	
CHLOROBENZENE	UG/L	ND	1	
2-CHLOROETHYLVINYL ETHER	UG/L	ND	5	
CHLOROFORM	UG/L	ND	2	
CHLOROMETHANE	UG/L	ND	2	
DIBROMOCHLOROMETHANE	UG/L	ND	1	
1,2-DICHLOROBENZENE	UG/L	ND	2	
1,3-DICHLOROBENZENE	UG/L	ND	2	
1,4-DICHLOROBENZENE	UG/L	ND	2	
1,1-DICHLOROETHANE	UG/L	ND	1	
1,2-DICHLOROETHANE	UG/L	ND	2	
TOTAL 1,2-DICHLOROETHENE	UG/L	ND	5	
1,1-DICHLOROETHENE	UG/L	ND	1	
1,2-DICHLOROPROPANE	UG/L	ND	2	
CIS-1,3-DICHLOROPROPENE	UG/L	ND	1	
TRANS-1,3-DICHLOROPROPENE	UG/L	ND	1	
ETHYL BENZENE	UG/L	6	1	
METHYLENE CHLORIDE	UG/L	ND	3	
1,1,2,2-TETRACHLOROETHANE	UG/L	ND	2	
TETRACHLOROETHENE	UG/L	ND	1	
TOLUENE	UG/L	83	5	
1,1,1-TRICHLOROETHANE	UG/L	ND	5	
1,1,2-TRICHLOROETHANE	UG/L	ND	2	
TRICHLOROETHENE	UG/L	ND	1	
TRICHLOROFLUOROMETHANE	UG/L	ND	1	
VINYL CHLORIDE	UG/L	ND	1	
TOTAL XYLENES	UG/L	300	20	
BROMOFLUOROBENZENE	%REC/SURR	103	82-115	
1,2-DICHLOROETHANE-D4	%REC/SURR	97	76-114	
TOLUENE-D8	%REC/SURR	103	88-115	
ANALYST	INITIALS	LP		

Comments:

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Test:	VOLATILES (624)
Analysis Method:	624 / Federal Register 40 CFR, Part 136, July 1, 1992
Extraction Method:	N/A
Matrix:	LIQUID
QC Level:	N

Lab Id: 002
Client Sample Id: STA#11132 A

Sample Date/Time: 17-JAN-95 N/S
Received Date: 20-JAN-95

Batch: VIW009
Blank: A

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 23-JAN-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	1	
BROMODICHLOROMETHANE	UG/L	ND	1	
BROMOFORM	UG/L	ND	2	
BROMOMETHANE	UG/L	ND	1	
CARBON TETRACHLORIDE	UG/L	ND	2	
CHLOROETHANE	UG/L	ND	1	
CHLOROBENZENE	UG/L	ND	1	
2-CHLOROETHYLVINYL ETHER	UG/L	ND	5	
CHLOROFORM	UG/L	ND	2	
CHLOROMETHANE	UG/L	ND	2	
DIBROMOCHLOROMETHANE	UG/L	ND	1	
1,2-DICHLOROBENZENE	UG/L	ND	2	
1,3-DICHLOROBENZENE	UG/L	ND	2	
1,4-DICHLOROBENZENE	UG/L	ND	2	
1,1-DICHLOROETHANE	UG/L	ND	1	
1,2-DICHLOROETHANE	UG/L	ND	2	
TOTAL 1,2-DICHLOROETHENE	UG/L	ND	5	
1,1-DICHLOROETHENE	UG/L	ND	1	
1,2-DICHLOROPROPANE	UG/L	ND	2	
CIS-1,3-DICHLOROPROPENE	UG/L	ND	1	
TRANS-1,3-DICHLOROPROPENE	UG/L	ND	1	
ETHYL BENZENE	UG/L	ND	1	
METHYLENE CHLORIDE	UG/L	ND	3	
1,1,2,2-TETRACHLOROETHANE	UG/L	ND	2	
TETRACHLOROETHENE	UG/L	ND	1	
TOLUENE	UG/L	ND	5	
1,1,1-TRICHLOROETHANE	UG/L	ND	5	
1,1,2-TRICHLOROETHANE	UG/L	ND	2	
TRICHLOROETHENE	UG/L	ND	1	
TRICHLOROFLUOROMETHANE	UG/L	ND	1	
VINYL CHLORIDE	UG/L	ND	1	
TOTAL XYLENES	UG/L	ND	2	
BROMOFLUOROBENZENE	%REC/SURR	99	82-115	
1,2-DICHLOROETHANE-D4	%REC/SURR	104	76-114	
TOLUENE-D8	%REC/SURR	106	88-115	
ANALYST	INITIALS	LP		

Comments:

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession: 501467
Client: BP OIL COMPANY
Project Number: 10-024
Project Name: BP SITE #11132
Project Location: 3201 35TH STREET, OAKLAND, CA
Test: VOLATILES (624)
Analysis Method: 624 / Federal Register 40 CFR, Part 136, July 1, 1992
Extraction Method: N/A
Matrix: LIQUID
QC Level: N

Lab Id: 003
Client Sample Id: STA#11132 EFF
Sample Date/Time: 17-JAN-95 N/S
Received Date: 20-JAN-95

Batch: VIW009
Blank: A
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 23-JAN-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
BENZENE	UG/L	ND	1	
BROMODICHLOROMETHANE	UG/L	ND	1	
BROMOFORM	UG/L	ND	2	
BROMOMETHANE	UG/L	ND	1	
CARBON TETRACHLORIDE	UG/L	ND	2	
CHLOROETHANE	UG/L	ND	1	
CHLOROBENZENE	UG/L	ND	1	
2-CHLOROETHYLVINYL ETHER	UG/L	ND	5	
CHLOROFORM	UG/L	ND	2	
CHLOROMETHANE	UG/L	ND	2	
DIBROMOCHLOROMETHANE	UG/L	ND	1	
1,2-DICHLOROBENZENE	UG/L	ND	2	
1,3-DICHLOROBENZENE	UG/L	ND	2	
1,4-DICHLOROBENZENE	UG/L	ND	2	
1,1-DICHLOROETHANE	UG/L	ND	1	
1,2-DICHLOROETHANE	UG/L	ND	2	
TOTAL 1,2-DICHLOROETHENE	UG/L	ND	5	
1,1-DICHLOROETHENE	UG/L	ND	1	
1,2-DICHLOROPROPANE	UG/L	ND	2	
CIS-1,3-DICHLOROPROPENE	UG/L	ND	1	
TRANS-1,3-DICHLOROPROPENE	UG/L	ND	1	
ETHYL BENZENE	UG/L	ND	1	
METHYLENE CHLORIDE	UG/L	ND	3	
1,1,2,2-TETRACHLOROETHANE	UG/L	ND	2	
TETRACHLOROETHENE	UG/L	ND	1	
TOLUENE	UG/L	ND	5	
1,1,1-TRICHLOROETHANE	UG/L	ND	5	
1,1,2-TRICHLOROETHANE	UG/L	ND	2	
TRICHLOROETHENE	UG/L	ND	1	
TRICHLOROFLUOROMETHANE	UG/L	ND	1	
VINYL CHLORIDE	UG/L	ND	1	
TOTAL XYLENES	UG/L	ND	2	
BROMOFLUOROBENZENE	%REC/SURR	103	82-115	
1,2-DICHLOROETHANE-D4	%REC/SURR	102	76-114	
TOLUENE-D8	%REC/SURR	104	88-115	
ANALYST	INITIALS	LP		

Comments:

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 501467
Client: BP OIL COMPANY
Project Number: 10-024
Project Name: BP SITE #11132
Project Location: 3201 35TH STREET, OAKLAND, CA
Test: VOLATILES (624)

Client Sample Id:	Parameter:	Unit:	Result:
STA#11132 INF	BENZENE	UG/L	960
	ETHYL BENZENE	UG/L	6
	TOLUENE	UG/L	83
	TOTAL XYLENES	UG/L	300

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
MG/M3 = MILLIGRAMS PER CUBIC METER.
NG = NANOGRAMS.
UG = MICROGRAMS.
PPBV = PARTS PER BILLION/VOLUME.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS
J = THE REPORTED VALUE IS EITHER LESS THAN THE REPORTING LIMIT BUT GREATER THAN ZERO, OR QUANTITATED AS A TIC; THEREFORE, IT IS ESTIMATED.
JJ = REPORTED VALUE IS ESTIMATED DUE TO MATRIX INTERFERENCE.
ND = NOT DETECTED ABOVE REPORT LIMIT.
RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.
RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRY WEIGHT BASIS.

DUE TO THE NATURE OF THE SAMPLE MATRIX, MATRIX SPIKE/MATRIX SPIKE DUPLICATE ANALYSIS CANNOT BE PERFORMED FOR AIR ANALYSIS.

LP = LEVERNE PETERSON
DWB = DAVID BOWERS
DB = DENNIS BESON
RB = RAFAEL BARRAZA
PL = PAUL LESCHENSKY
RW = RITA WINGO
LD = LARRY DILMORE
LL = LANCE LARSON
JA = JENNIFER ALEXANDER

Analytical**Technologies,**Inc. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

SIGNATURE PAGE

Reviewed by: _____
ATI Project Manager

Client: BP OIL COMPANY
RENTON, WASHINGTON

Project Name: BP SITE #11132
Project Number: 10-024
Project Location: 3201 35TH STREET, OAKLAND, CA
Accession Number: 501467

Project Manager: PETE BEAVER (ALISTO, CA), SCOTT HOOTON (BP OIL)
Sampled By: JOHN BICKING

THIS IS A REVISED REPORT: February 3, 1995

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: DRO\PETRO. HYDROCARBON RANGE C10-C28

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Department:	SEMI-VOLATILE FUELS

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Date 03-Feb-95

"FINAL REPORT FORMAT - SINGLE"

Accession:	501467
Client:	BP OIL COMPANY
Project Number:	10-024
Project Name:	BP SITE #11132
Project Location:	3201 35TH STREET, OAKLAND, CA
Test:	DRO\PETRO. HYDROCARBON RANGE C10-C28
Analysis Method:	DRO / 8015 - SW 846, EPA UST Work Group Nov. 1990, Mod. 8015
Extraction Method:	3510/SW-846, 3rd Edition, September 1986 and Revision 1, July 1992
Matrix:	LIQUID
QC Level:	N

Lab Id:	001	Sample Date/Time:	17-JAN-95 N/S
Client Sample Id:	STA#11132 INF	Received Date:	20-JAN-95
Batch: FPW011		Extraction Date:	20-JAN-95
Blank: A	Dry Weight %: N/A	Analysis Date:	24-JAN-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL PETROLEUM HYDROCARBON	UG/L	960	200(+)	
ORTHO TER PHENYL	%REC/SURR	91	37-140	
ANALYST	INITIALS	SJF		

Comments:
(+) ADJUSTED REPORTING LIMIT DUE TO SAMPLE VOLUME ANALYZED.

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 501467
Client: BP OIL COMPANY
Project Number: 10-024
Project Name: BP SITE #11132
Project Location: 3201 35TH STREET, OAKLAND, CA
Test: DRO\PETRO. HYDROCARBON RANGE C10-C28

Client Sample Id:	Parameter:	Unit:	Result:
STA#11132 INF	TOTAL PETROLEUM HYDROCARBON	UG/L	960

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
DGH = DARREL HALSELL
TLH = TARA HELTON
KW = KAREN WADSWORTH
MV = MONIQUE VERHEYDEN
SW = STEVE WILHITE
JMP = JACKIE PRICE
SJF = STEVE FILOROMO
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
KS = KENDALL SMITH

501467

CHAIN OF CUSTODY

No. 058854 Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
ALISTO ENGINEERING	1777 OAKLAND Blvd.	Walnut Creek	CA	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
STA# 11132	3201 35th STREET OAKLAND, CA	10-024

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
PETE BEAVER	510-295-1650	510-295-1823	6028838

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO.
SCOTT HOOTON	BENTON, WA		

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
Diana Spencer	PENSACOLA, FL	904 474-1001	

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: EPA MODIFIED — AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE / TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	TPH D	624								COMMENTS
STA# 11132 INF			4			✓	✓								
STA# 11132 A			3				✓								
STA# 11132 EFF			3				✓								

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bicking	1/18/95	0755	Brian Sender ATI	1/19/95	10/30
Brian Sender	1/19/95	1030	Sally L. Wells/ATI	1/20/95	1007

ADDITIONAL COMMENTS

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.: 502264

March 03, 1995

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

Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA
Project # : G247985/10-024-04-001

Attention: PETER BEAVER

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

Date Received	Quantity	Matrix
February 23, 1995	3	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

RECEIVED
MAR 09 1995

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

Report Date: March 03, 1995
ATI I.D. : 502264

ATI #	Client Description	Matrix	Date Collected
1	STA #11132 INF	WATER	21-FEB-95
2	STA #11132 A	WATER	21-FEB-95
3	STA #11132 EFF	WATER	21-FEB-95

---TOTALS---

Matrix	# Samples
WATER	3

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 # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D.: 502264

Analysis	Technique/Description
EPA 624 (GC/MS FOR VOLATILE ORGANICS)	GC/MASS SPECTROMETER
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C6-C24)	GC/FLAME IONIZATION DETECTOR

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C6-C24)
Client : ALISTO ENGINEERING ATI I.D. : 502264
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA #11132 INF	WATER	21-FEB-95	23-FEB-95	23-FEB-95	1.00

Parameter	Units	1
FUEL HYDROCARBONS	MG/L	4.4
HYDROCARBON RANGE		C6-C14
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	114

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank I.D. : 34450
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264
Date Extracted: 23-FEB-95
Date Analyzed : 23-FEB-95
Dil. Factor : 1.00

Parameters	Units	Results
FUEL HYDROCARBONS	MG/L	<0.50
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	118

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 73326
Client : ALISTO ENGINEERING

Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264
Date Extracted: 23-FEB-95
Date Analyzed : 24-FEB-95
Sample Matrix : WATER
REF I.D. : 502252-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/L	<0.50	10	8.6	86	8.1	81	6

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

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank Spike #: 54687
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name : BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264
Date Extracted: 23-FEB-95
Date Analyzed : 23-FEB-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
FUEL HYDROCARBONS	MG/L	<0.50	11	10	110

% 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. : 502264
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA #11132 INF	WATER	21-FEB-95	N/A	01-MAR-95	5.00
2	STA #11132 A	WATER	21-FEB-95	N/A	01-MAR-95	1.00
3	STA #11132 EFF	WATER	21-FEB-95	N/A	01-MAR-95	1.00

Parameter	Units	1	2	3
CHLOROMETHANE	UG/L	<50	<10	<10
VINYL CHLORIDE	UG/L	<25	<5	<5
BROMOMETHANE	UG/L	<50	<10	<10
CHLOROETHANE	UG/L	<25	<5	<5
ACETONE	UG/L	<50	<10	<10
1,1-DICHLOROETHENE	UG/L	<5	<1	<1
METHYLENE CHLORIDE	UG/L	<25	<5	<5
CARBON DISULFIDE	UG/L	<10	<2	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<5	<1	<1
1,1-DICHLOROETHANE	UG/L	<5	<1	<1
CIS-1,2-DICHLOROETHENE	UG/L	<5	<1	<1
CHLOROFORM	UG/L	<5	<1	<1
2-BUTANONE (MEK)	UG/L	<50	<10	<10
1,1,1-TRICHLOROETHANE	UG/L	<5	<1	<1
CARBON TETRACHLORIDE	UG/L	<5	<1	<1
1,2-DICHLOROETHANE	UG/L	15	<1	<1
BENZENE	UG/L	980	<1	<1
TRICHLOROETHENE	UG/L	<5	<1	<1
1,2-DICHLOROPROPANE	UG/L	<5	<1	<1
BROMODICHLOROMETHANE	UG/L	<5	<1	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<50	<10	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<5	<1	<1
TOLUENE	UG/L	130	<2	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<5	<1	<1
2-HEXANONE (MBK)	UG/L	<50	<10	<10
1,1,2-TRICHLOROETHANE	UG/L	<5	<1	<1
TETRACHLOROETHENE	UG/L	<5	<1	<1
DIBROMOCHLOROMETHANE	UG/L	<5	<1	<1
CHLOROBENZENE	UG/L	<5	<1	<1
ETHYLBENZENE	UG/L	10	<1	<1
XYLENES (TOTAL)	UG/L	450	<1	<1
STYRENE	UG/L	<10	<2	<2
BROMOFORM	UG/L	<25	<5	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<5	<1	<1
DICHLORODIFLUOROMETHANE	UG/L	<50	<10	<10
TRICHLOROFLUOROMETHANE	UG/L	<25	<5	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<25	<5	<5
1,2-DICHLOROBENZENE	UG/L	<25	<5	<5

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA #11132 INF	WATER	21-FEB-95	N/A	01-MAR-95	5.00
2	STA #11132 A	WATER	21-FEB-95	N/A	01-MAR-95	1.00
3	STA #11132 EFF	WATER	21-FEB-95	N/A	01-MAR-95	1.00

Parameter	Units	1	2	3
1,3-DICHLOROBENZENE	UG/L	<25	<5	<5
1,4-DICHLOROBENZENE	UG/L	<25	<5	<5
SURROGATES				
1,2-DICHLOROETHANE-D4	%	110	110	110
TOLUENE-D8	%	102	102	103
BFB	%	100	98	98

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D.: 502264

Sample	Parameters	Units	Results
1	ALIPHATIC HYDROCARBON C5	UG/L	100
	OXYGENATED HYDROCARBON	UG/L	1000
	ETHYLMETHYL BENZENE ISOMER	UG/L	60
	TRIMETHYL BENZENE ISOMER	UG/L	100
	TRIMETHYL BENZENE ISOMER	UG/L	40
2	OXYGENATED HYDROCARBON	UG/L	30
3	OXYGENATED HYDROCARBON	UG/L	10

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 34504
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264
Date Extracted: N/A
Date Analyzed : 01-MAR-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	%	105
TOLUENE-D8	%	100
BFB	%	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 34504 ATI I.D. : 502264
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE 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 # : 73479
Client : ALISTO ENGINEERING

Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264
Date Extracted: N/A
Date Analyzed : 01-MAR-95
Sample Matrix : WATER
REF I.D. : 502264-03

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
1,1-DICHLOROETHENE	UG/L	<1	50	45	90	48	96	6
BENZENE	UG/L	<1	50	47	94	48	96	2
TRICHLOROETHENE	UG/L	<1	50	47	94	47	94	0
TOLUENE	UG/L	<2	50	51	102	50	100	2
CHLOROBENZENE	UG/L	<1	50	55	110	53	106	4

% 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 #: 54810
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name : BP SITE #11132/3201 35TH AVENUE OAKLAND, CA

ATI I.D. : 502264
Date Extracted: N/A
Date Analyzed : 01-MAR-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	51	50	102
TRICHLOROETHENE	UG/L	<1	51	50	102
TOLUENE	UG/L	<2	54	50	108
CHLOROBENZENE	UG/L	<1	59	50	118

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

502264

CHAIN OF CUSTODY

No. 061496 | 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
11132	3201 35th Avenue OAKLAND, CA	10-024-04-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
PETE BEAVER	(510) 295-1650	510 295 1823	G247985

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO
SCOTT HOOTEN	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		

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

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE / TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	HCl TPH-D	— 624	COMMENTS
STA# 11132_INF		2/23/95 01			01	✓	✓	
STA# 11132 A		02			02		✓	
STA# 11132_EFF		03			03		✓	

OK w/ Aneisa by FAX 2/22/95

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bicking	2/22	1600		2/23/95	9:00

ADDITIONAL COMMENTS
3.0°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.: 503226

March 29, 1995

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

Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA
Project # : G247985/10-024-04-001

Attention: PETE BEAVER

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

Date Received	Quantity	Matrix
March 17, 1995	4	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.

CHRISTOPHER MYERS
PROJECT MANAGER

FOR ALAN G. KLEINSCHMIDT
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Report Date: March 29, 1995
ATI I.D. : 503226

ATI #	Client Description	Matrix	Date Collected
1	STA#11132 INF	WATER	14-MAR-95
2	STA#11132 A	WATER	14-MAR-95
3	STA#11132 EFF	WATER	14-MAR-95
4	STA#11132 FIELD BLANK	WATER	14-MAR-95

---TOTALS---

Matrix	# Samples
WATER	4

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 # : G247985/10-024-04-001 ATI I.D.: 503226
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Analysis	Technique/Description
EPA 624 (GC/MS FOR VOLATILE ORGANICS)	GC/MASS SPECTROMETER
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C6-C24)	GC/FLAME IONIZATION DETECTOR

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C6-C24)
Client : ALISTO ENGINEERING ATI I.D. : 503226
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA#11132 INF	WATER	14-MAR-95	17-MAR-95	18-MAR-95	1.00

Parameter	Units	1
FUEL HYDROCARBONS	MG/L	3.0
HYDROCARBON RANGE		C6-C14
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	116

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank I.D. : 34757
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: 17-MAR-95
Date Analyzed : 17-MAR-95
Dil. Factor : 1.00

Parameters	Units	Results
FUEL HYDROCARBONS	MG/L	<0.50
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	120

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 74163
Client : ALISTO ENGINEERING

Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: 17-MAR-95
Date Analyzed : 20-MAR-95
Sample Matrix : WATER
REF I.D. : 503213-01

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

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank Spike #: 55285
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name : BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: 17-MAR-95
Date Analyzed : 17-MAR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
FUEL HYDROCARBONS	MG/L	<0.50	10	10	100

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

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING ATI I.D. : 503226
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA#11132 INF	WATER	14-MAR-95	N/A	27-MAR-95	5.00
2	STA#11132 A	WATER	14-MAR-95	N/A	24-MAR-95	1.00
3	STA#11132 EFF	WATER	14-MAR-95	N/A	25-MAR-95	1.00

Parameter	Units	1	2	3
CHLOROMETHANE	UG/L	<50	<10	<10
VINYL CHLORIDE	UG/L	<25	<5	<5
BROMOMETHANE	UG/L	<50	<10	<10
CHLOROETHANE	UG/L	<25	<5	<5
ACETONE	UG/L	390B	<10	<10
1,1-DICHLOROETHENE	UG/L	<5	<1	<1
METHYLENE CHLORIDE	UG/L	<25	<5	<5
CARBON DISULFIDE	UG/L	<10	<2	<2
TRANS-1,2-DICHLOROETHENE	UG/L	<5	<1	<1
1,1-DICHLOROETHANE	UG/L	<5	<1	<1
CIS-1,2-DICHLOROETHENE	UG/L	<5	<1	<1
CHLOROFORM	UG/L	<5	<1	<1
2-BUTANONE (MEK)	UG/L	<50	<10	<10
1,1,1-TRICHLOROETHANE	UG/L	<5	<1	<1
CARBON TETRACHLORIDE	UG/L	<5	<1	<1
1,2-DICHLOROETHANE	UG/L	13	<1	<1
BENZENE	UG/L	740	<1	<1
TRICHLOROETHENE	UG/L	83	<1	<1
1,2-DICHLOROPROPANE	UG/L	<5	<1	<1
BROMODICHLOROMETHANE	UG/L	<5	<1	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<50	<10	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<5	<1	<1
TOLUENE	UG/L	<10	<2	<2
TRANS-1,3-DICHLOROPROPENE	UG/L	<5	<1	<1
2-HEXANONE (MBK)	UG/L	<50	<10	<10
1,1,2-TRICHLOROETHANE	UG/L	<5	<1	<1
TETRACHLOROETHENE	UG/L	<5	<1	<1
DIBROMOCHLOROMETHANE	UG/L	<5	<1	<1
CHLOROBENZENE	UG/L	<5	<1	<1
ETHYLBENZENE	UG/L	10	<1	<1
XYLENES (TOTAL)	UG/L	300	<1	<1
STYRENE	UG/L	<10	<2	<2
BROMOFORM	UG/L	<25	<5	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<5	<1	<1
DICHLORODIFLUOROMETHANE	UG/L	<50	<10	<10
TRICHLOROFLUOROMETHANE	UG/L	<25	<5	<5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	UG/L	<25	<5	<5
1,2-DICHLOROBENZENE	UG/L	<25	<5	<5

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING ATI I.D. : 503226
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	STA# 132 INF	WATER	14-MAR-95	N/A	27-MAR-95	5.00
2	STA#11132 A	WATER	14-MAR-95	N/A	24-MAR-95	1.00
3	STA#11132 EFF	WATER	14-MAR-95	N/A	25-MAR-95	1.00

Parameter	Units	1	2	3
1,3-DICHLOROBENZENE	UG/L	<25	<5	<5
1,4-DICHLOROBENZENE	UG/L	<25	<5	<5
SURROGATES				
1,2-DICHLOROETHANE-D4	%	116	110	117
TOLUENE-D8	%	107	107	105
BFB	%	102	100	102

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 624 (GC/MS FOR VOLATILE ORGANICS) WATER
Client : ALISTO ENGINEERING ATI I.D.: 503226
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Sample	Parameters	Units	Results
1	ALIPHATIC HYDROCARBON C4	UG/L	80
	ALIPHATIC HYDROCARBON C5	UG/L	100
	OXYGENATED HYDROCARBON	UG/L	1000
	ETHYLMETHYL BENZENE ISOMER	UG/L	50
	TRIMETHYL BENZENE ISOMER	UG/L	70
2	OXYGENATED HYDROCARBON	UG/L	30
3	OXYGENATED HYDROCARBON	UG/L	20

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING ATI I.D. : 503226
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA#11132 FIELD BLANK	WATER	14-MAR-95	N/A	27-MAR-95	1.00

Parameter	Units	4
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. : 503226
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	STA#11132 FIELD BLANK	WATER	14-MAR-95	N/A	27-MAR-95	1.00

Parameter	Units	4
1,3-DICHLOROBENZENE	UG/L	<5
1,4-DICHLOROBENZENE	UG/L	<5
SURROGATES		
1,2-DICHLOROETHANE-D4	%	107
TOLUENE-D8	%	105
BFB	%	101

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 624 (GC/MS FOR VOLATILE ORGANICS)
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

WATER
ATI I.D.: 503226

Sample	Parameters	Units	Results
4	OXYGENATED HYDROCARBON	UG/L	20

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 34809
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: N/A
Date Analyzed : 24-MAR-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	%	111
TOLUENE-D8	%	107
BFB	%	104

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 34809 ATI I.D. : 503226
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Parameters	Units	Results
NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 34818
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: N/A
Date Analyzed : 27-MAR-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	16*L
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	%	105
TOLUENE-D8	%	104
BFB	%	101

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 34818 ATI I.D. : 503226
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

Parameters	Units	Results
NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

MSMSD

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
MSMSD # : 74270
Client : ALISTO ENGINEERING

Project # : G247985/10-024-04-001
Project Name: BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: N/A
Date Analyzed : 24-MAR-95
Sample Matrix : WATER
REF I.D. : 503226-02

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
1,1-DICHLOROETHENE	UG/L	<1	50	55	110	55	110	0
BENZENE	UG/L	<1	50	53	106	52	104	2
TRICHLOROETHENE	UG/L	<1	50	51	102	50	100	2
TOLUENE	UG/L	<2	50	54	108	56	112	4
CHLOROBENZENE	UG/L	<1	50	58	116	59	118	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 #: 55373
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name : BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted : N/A
Date Analyzed : 24-MAR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	UG/L	<1	56	50	112
BENZENE	UG/L	<1	52	50	104
TRICHLOROETHENE	UG/L	<1	51	50	102
TOLUENE	UG/L	<2	54	50	108
CHLOROBENZENE	UG/L	<1	59	50	118

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

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

BLANK SPIKE

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank Spike #: 55395
Client : ALISTO ENGINEERING
Project # : G247985/10-024-04-001
Project Name : BP SITE #11132/3201 35TH AVE., OAKLAND, CA

ATI I.D. : 503226
Date Extracted: N/A
Date Analyzed : 27-MAR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	UG/L	<1	54	50	108
BENZENE	UG/L	<1	51	50	102
TRICHLOROETHENE	UG/L	<1	48	50	96
TOLUENE	UG/L	<2	51	50	102
CHLOROBENZENE	UG/L	<1	54	50	108

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

ANALYTICAL TECHNOLOGIES, INC.
SAN DIEGO
FLAGS

ORGANICS

FLAG	MESSAGE DESCRIPTION
A	A TIC IS A SUSPECTED ALDOL-CONDENSATION PRODUCT
B	ANALYTE FOUND IN THE ASSOCIATED REAGENT BLANK
C	PESTICIDE, WHERE THE IDENTIFICATION WAS CONFIRMED BY GC/MS
CO	THESE COMPOUNDS CO-ELUTE AND ARE QUANTITATED AS ONE PEAK
D	COMPOUND IDENTIFIED IN AN ANALYSIS AT SECONDARY DILUTION
E	ANALYTE AMOUNT EXCEEDS THE CALIBRATION RANGE
J	ESTIMATED VALUE
H	QUANTIFIED AS DIESEL BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF DIESEL
K	QUANTIFIED AS KEROSENE BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF KEROSENE
L	QUANTIFIED AS GASOLINE BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF GASOLINE
N	PRESUMPTIVE EVIDENCE OF A COMPOUND
P	PESTICIDE/AROCLOR TARGET ANALYTE, WHERE THERE IS GREATER THAN 25% DIFFERENCE FOR DETECTED CONCENTRATION BETWEEN 2 GC COLUMNS
TR	COMPOUND DETECTED AT AN UNQUANTIFIABLE TRACE LEVEL
U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
X	SEE CASE NARRATIVE
Y	SEE CASE NARRATIVE
Z	SEE CASE NARRATIVE
*	OUTSIDE OF QUALITY CONTROL LIMITS
*D	COMPOUND ANALYZED FROM A SECONDARY ANALYSIS
*F	RESULT OUTSIDE OF ATI'S QUALITY CONTROL LIMITS
*G	RESULT OUTSIDE QUALITY CONTROL LIMITS. INSUFFICIENT SAMPLE FOR RE-EXTRACTION/ANALYSIS
*H	RESULT OUTSIDE OF LIMITS DUE TO SAMPLE MATRIX INTERFERENCE
*I	BECAUSE OF NECESSARY SAMPLE DILUTION, VALUE WAS OUTSIDE QC LIMITS
*K	DUE TO THE NECESSARY DILUTION OF THE SAMPLE, RESULT WAS NOT ATTAINABLE
*L	ANALYTE IS A SUSPECTED LAB CONTAMINANT
*P	A STANDARD WAS USED TO QUANTITATE THIS VALUE
*R	DATA IS NOT USABLE
*T	SURROGATE RECOVERY IS OUTSIDE QC CONTROL LIMITS. NO CORRECTIVE ACTION INDICATED BY METHOD
*V	SAMPLE RESULT IS >4X SPIKED CONCENTRATION, THEREFORE SPIKE IS NOT DETECTABLE
*Y	RESULT NOT ATTAINABLE DUE TO SAMPLE MATRIX INTERFERENCE
@A	RESULTS OUT OF LIMITS DUE TO SAMPLE NON-HOMOGENEITY
@C	*VARIABLE MESSAGE*
@D	RESULT COULD NOT BE CONFIRMED DUE TO MATRIX INTERFERENCE ON THE CONFIRMATION COLUMN
@E	RESULT MAY BE FALSELY ELEVATED DUE TO SAMPLE MATRIX INTERFERENCE
@F	RESULT OUTSIDE OF CONTRACT SPECIFIED QUALITY CONTROL LIMITS
@G	RESULT OUTSIDE OF CONTRACT SPECIFIED ADVISORY LIMITS
@H	DETECTION LIMIT ELEVATED DUE TO MATRIX INTERFERENCE
@M	RESULT NOT CONFIRMED BY U.V. DUE TO SAMPLE MATRIX INTERFERENCE
@N	RESULT NOT CONFIRMED BY FLUORESCENCE DUE TO SAMPLE MATRIX INTERFERENCE
@P	RESULT QUANTITATED USING FLUORESCENCE ONLY DUE TO THE LOW CONCENTRATION
@Q	DETECTION LIMIT ELEVATED DUE TO LIMITED SAMPLE FOR ANALYSIS
@T	RESULT DUE TO TCLP EXTRACTION MATRIX INTERFERENCE. NO QC LIMITS HAVE BEEN ESTABLISHED
@U	SAMPLE CHROMATOGRAM DOES NOT RESEMBLE COMMON FUEL HYDROCARBON FINGERPRINTS
@Z	SAMPLE CHROMATOGRAM DOES NOT RESEMBLE A FUEL HYDROCARBON

BP

CHAIN OF CUSTODY

No. 061464

Page 1 of 1

CONSULTANT'S NAME	ADDRESS	CITY	STATE	ZIP CODE
ALISTO ENVIRONMENTAL GROUP	1777 OAKLAND Blvd #200	WALNUT CREEK	CA	94596

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11132	3201 35th AVE. OAKLAND CA	10-024 04-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
PETE BENNETT	510 295 1650	510 295 1820	G-04798C

BP CONTACT	BP ADDRESS	PHONE NUMBER	FAX NO
SCOTT HOULIHAN	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 BICKEL	John K. Bickel	3/15/95	

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

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE / COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL.)	PRESERVATIVE LAB SAMPLE #	HCl 8024	— TPH-D	COMMENTS
STA# 11132 INF	3/14/95	H2O	5		01	✓	✓	
STA# 11132 A			3		02	✓		
STA# 11132 EFF			3		03	✓		
STA# 11132 FIELD BLANK			3		04	✓		

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
John K. Bickel	3/16/95	0710			
			A. Toth	3/17/95	9:00

ADDITIONAL COMMENTS

503226

CLV-16722

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