BP OIL

BP Oil Company
Environmental Resources Management
Building 13, Suite N
295 SW 41st Street
Renton, Washington 98055-4931
(206) 251-0667
Fax No: (206) 251-0736

January 10, 1996

Mr. Ed So
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland CA 94612

RE: BP OIL FACILITY #11107
18501 Hesperian Boulevard
San Lorenzo, CA

Dear Mr. So:

Attached please find **our GROUNDWATER MONITORING AND SAMPLING REPORT DATED November 9, 1995,** for the above referenced facility.

If you should have any questions regarding this site, I may be reached at (206) 251-0689.

Respectfully,

Scott T. Hooton
Environmental Resources Management
Corrective Action Manager

STH:mu mswordERM11107

cc: [redacted]a County Health Care Services Agency, 1131 Harbour Bay Parkway, Room 250, Alameda CA 94502-6577

Mr. Brady Nagle, Alisto Engineering Group, 1777 Oakland Blvd., Suite 200,Walnut Creek, CA 94596

Mr. Ron Gehrke, Kwik G Enterprises, Inc., 19231 Lake Chabot Rd., Castro Valley, CA 94546

Mr. Larry Silva, TOSCO Northwest, 601 Union Street, Suite 2500, Seattle WA 98101

Site File

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11107
18501 Hesperian Boulevard
San Lorenzo, California

Project No. 10-060-04-002

Prepared for:

BP Oil Company
Environmental Resources Management
295 S.W. 41st Street
Building 13, Suite N
Renton, Washington

Prepared by:

Alisto Engineering Group
1575 Treat Boulevard, Suite 201
Walnut Creek, California

November 9, 1995

William Howell
Project Manager

Dan Salaices
Registered Geologist

GROUNDWATER MONITORING AND SAMPLING REPORT

BP Oil Company Service Station No. 11107
18501 Hesperian Boulevard
San Lorenzo, California

Project No. 10-060-04-002

November 9, 1995

INTRODUCTION

This report presents the results of the September 1, 1995 groundwater monitoring and sampling conducted by Alisto Engineering Group at BP Oil Company Service Station No. 11107, 18501 Hesperian Boulevard, San Lorenzo, California. A site vicinity map is shown on Figure 1.

FIELD PROCEDURES

Field activities were performed in accordance with the procedures and guidelines of the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region.

Before purging and sampling, the groundwater level in each well was measured from a permanent mark on top of the casing to the nearest 0.01 foot using an electronic sounder. The depth to groundwater and top of casing elevation data were used to calculate the groundwater elevation in each well. The survey data and groundwater elevation measurements collected to date are presented in Table 1.

Before sample collection, each well was purged of 3 casing volumes, while recording field readings of pH, temperature, electrical conductivity, and dissolved oxygen. Groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The samples were transferred from the bailer into laboratory-supplied containers. The water sampling field survey forms are presented in Appendix A.

SAMPLING AND ANALYTICAL RESULTS

The results of compliance monitoring and laboratory analysis of the groundwater samples collected during this and previous quarters are summarized in Table 1. During this event, additional samples were collected from well MW-1 for analysis of selected metals. The purpose for performing metals analysis was to compare with unfiltered metals analyses that were reported in the Supplemental Site Investigation Report prepared by Alisto dated April 1995. The results of these metal analyses is summarized in Table 2. The potentiometric groundwater elevations as interpreted from the results of this monitoring event are shown on Figure 2. The results of laboratory analysis are shown on Figure 3. The laboratory report and chain of custody record are presented in Appendix B.

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11107
18501 HESPERIAN BOULEVARD, SAN LORENZO, CALIFORNIA

ALISTO PROJECT NO. 10-060

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
MW-1	11/04/92	41.07	20.78	20.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	ND<5000	2.8	ND	—	PACE
QC-1 (c)	11/04/92	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	—	PACE
MW-1	02/24/94	41.07	20.70	20.37	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	ND<5000	1.5	0.9	—	PACE
MW-1	05/12/94	41.07	18.12	22.95	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	ND<5000	1.0	ND<0.5	7.0	PACE
MW-1	09/09/94	41.07	21.74	19.33	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	ND<5000	ND<0.5	ND<0.5	2.3	PACE
MW-1	11/03/94	41.07	20.01	21.06	ND<50	50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	ND<5000	ND<0.5	ND<0.5	4.3	PACE
MW-1	03/01/95	41.07	17.44	23.63	ND<50	ND<500	ND<50	ND<0.50	ND<0.50	ND<1.0	—	420	0.54	0.3	2.3	ATI
MW-1	06/06/95	41.07	17.55	23.52	—	—	—	—	—	—	—	—	—	—	—	—
MW-1	09/01/95	41.07	18.19	22.88	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	60	—	—	6.8	ATI
MW-2	11/04/92	40.56	20.16	20.40	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	—	PACE
MW-2	02/24/94	40.56	20.12	20.44	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	—	PACE
MW-2	05/12/94	40.56	17.49	23.07	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	7.4	PACE
MW-2	09/09/94	40.56	21.12	19.44	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	2.1	PACE
MW-2	11/03/94	40.56	19.36	21.20	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	4.2	PACE
MW-2	03/01/95	40.56	16.83	23.73	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	—	—	2.2	ATI
MW-2	06/06/95	40.56	16.96	23.60	—	—	—	—	—	—	—	—	—	—	—	—
MW-2	09/01/95	40.56	17.54	23.02	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	—	—	—	7.9	ATI
MW-3	11/04/92	40.45	20.23	20.22	760	—	3.7	15	1.9	57	—	—	—	—	—	PACE
MW-3	02/24/94	40.45	20.24	20.21	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	—	PACE
MW-3	05/12/94	40.45	17.61	22.84	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	7.3	PACE
MW-3	09/09/94	40.45	21.22	19.23	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	2.0	PACE
MW-3	11/03/94	40.45	19.48	20.97	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	3.6	PACE
MW-3	03/01/95	40.45	17.08	23.37	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	—	—	—	1.9	ATI
MW-3	06/06/95	40.45	17.21	23.24	—	—	—	—	—	—	—	—	—	—	—	—
MW-3	09/01/95	40.45	17.69	22.76	200	—	2.7	33	7.2	43	ND<5.0	—	—	—	7.8	ATI
MW-4	11/04/92	39.24	19.18	20.06	900	—	150	4.1	0.8	53	—	—	—	—	—	PACE
MW-4	02/24/94	39.24	19.22	20.02	240	—	110	3.8	1.8	11	—	—	—	—	—	PACE
QC-1 (c)	02/24/94	—	—	—	310	—	95	5.3	2.2	17	—	—	—	—	—	PACE
MW-4	05/12/94	39.24	16.62	22.62	ND<50	—	2.2	1.0	ND<0.5	ND<0.5	—	—	—	—	7.3	PACE
QC-1 (c)	05/12/94	—	—	—	430	—	2.6	1.3	ND<0.5	ND<0.5	—	—	—	—	—	PACE
MW-4	09/09/94	39.24	20.27	18.97	240	—	9.1	1.3	0.6	2.5	—	—	—	—	2.2	PACE
QC-1 (c)	09/09/94	—	—	—	57	—	1.7	ND<0.5	ND<0.5	0.5	—	—	—	—	—	PACE
MW-4	11/03/94	39.24	18.46	20.78	250	—	3.1	2.8	1.0	3.3	—	—	—	—	3.2	PACE
QC-1 (c)	11/03/94	—	—	—	110	—	2.4	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	—	PACE
MW-4	03/01/95	39.24	16.15	23.09	8900	—	1800	26	450	400	—	—	—	—	2.0	ATI
QC-1 (c)	03/01/95	—	—	—	7600	—	1700	25	410	370	—	—	—	—	—	ATI
MW-4	06/06/95	39.24	16.28	22.96	3100	—	530	25	170	85	—	—	—	—	—	ATI
QC-1 (c)	06/06/95	—	—	—	3000	—	530	27	170	92	—	—	—	—	—	ATI
MW-4 (d)	09/01/95	39.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-5	03/01/95	39.07	16.00	23.07	9400	—	150	ND<5.0	45	390	—	—	—	—	1.2	ATI
MW-5	06/06/95	39.07	16.16	22.91	1100	—	42	ND<2.5	15	4.0	—	—	—	—	—	ATI
MW-5	09/01/95	39.07	16.63	22.44	[redacted]	—	[redacted]	ND<2.5	[redacted]	[redacted]	1200	—	—	—	7.4	ATI
QC-1 (c)	09/01/95	—	—	—	1200	—	64	ND<2.5	14	3.1	[redacted]	—	—	—	—	ATI
MW-6	03/01/95	38.46	15.66	22.80	270	—	11	ND<0.50	ND<0.50	ND<1.0	—	—	—	—	1.6	ATI
MW-6	06/06/95	38.46	15.82	22.64	220	—	2.3	ND<0.50	ND<0.50	ND<1.0	—	—	—	—	—	ATI
MW-6	09/01/95	38.46	16.25	22.21	[redacted]	—	ND<2.5	ND<2.5	ND<2.5	ND<5.0	[redacted]	—	—	—	7.5	ATI
MW-7	03/01/95	39.50	16.21	23.29	1400	—	14	ND<1.0	14	27	—	—	—	—	1.8	ATI
MW-7	06/06/95	39.50	16.34	23.16	540	—	5.5	ND<0.50	15	1.1	—	—	—	—	—	ATI
MW-7	09/01/95	39.50	16.74	22.76	[redacted]	—	[redacted]	ND<0.50	[redacted]	ND<1.0	[redacted]	—	—	—	7.5	ATI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
BP OIL COMPANY SERVICE STATION NO. 11107
18501 HESPERIAN BOULEVARD, SAN LORENZO, CALIFORNIA

ALISTO PROJECT NO. 10-060

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	TOG (ug/l)	1,1,1-TCA (ug/l)	PCE (ug/l)	DO (ppm)	LAB
QC-2 (e)	11/04/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (e)	11/04/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (e)	03/01/95	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	---	---	---	---	---	PACE
QC-2 (e)	05/12/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (e)	09/09/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (e)	11/03/94	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	PACE
QC-2 (e)	06/06/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	---	ATI
QC-2 (e)	09/01/95	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	---	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
MTBE	Methyl T-Butyl Ether
TOG	Total oil and grease
1,1,1-TCA	1,1,1-Trichloroethane
PCE	Tetrachloroethene
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not measured/analyzed/applicable
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.

NOTES:

(a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 39.95 feet above mean sea level.

(b) Groundwater elevations in feet above mean sea level.

(c) Blind duplicate.

(d) Well inaccessible due to parked car.

(e) Travel blank.

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TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING FOR SELECTED METALS
BP OIL COMPANY SERVICE STATION NO. 11107
18501 HESPERIAN BOULEVARD, SAN LORENZO, CALIFORNIA

ALISTO PROJECT NO. 10-060

WELL ID		DATE OF SAMPLING	CADMIUM (mg/l)	CHROMIUM (mg/l)	NICKEL (mg/l)	LEAD (mg/l)	ZINC (mg/l)	LAB
MW-1	(1)	03/01/95	0.0011	0.03	0.04	0.011	0.07	ATI
MW-1	(1)	09/01/95	ND<0.0005	0.02	0.03	0.004	ND<0.05	ATI
MCL(ppb)			10	50	100	50		

ABBREVIATIONS:

mg/l Milligrams per liter
ND Not detected at or above reported detection limit
ATI Analytical Technologies, Inc.

NOTES:

(1) Samples were not field or laboratory filtered.

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APPENDIX A

WATER SAMPLING FIELD SURVEY FORMS

ALISTO ENGINEERING GROUP
GROUNDWATER MONITORING

Client: BP
Alisto Project No: 10-060-~~05-001~~ 04-002
Service Station No: 1107

Date: 9/1/95
Field Personnel: DC
Site Address: 18501 Hesperian Blvd San Lorenzo CA

FIELD ACTIVITY:

/ Groundwater Monitoring
✓ Groundwater Sampling
___ Well Development

QUALITY CONTROL SAMPLES:

MW-5 QC-1 Sample Duplicate (Well ID)
X QC-2 Trip Blank
___ QC-3 Rinsate Blank

Well ID	Well Diam	Order Measured/ Sampled	Total Depth	Depth to Water	Depth to Product	Product Thick-ness	Comments
MW-1	2"	1	30.70	18.19	0	0	
MW-2	↓	2	25.00	17.54	↓	↓	
MW-3		3	25.20	17.69			
MW-6		4	25.00	16.25			
MW-7		5	26.00	16.74			
MW-5		6	26.00	16.63	↓	↓	
MW-4	↓	—	—	—			see bottom

Notes:

* MW-4 – car is parked on well, Station manager said car could not be moved because rear tire is flat.

FORM: FS2/121592

pg 1 of 1

ALISTO

ENGINEERING
GROUP
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Field Report / Sampling Data Sheet

☒ Groundwater Sampling

Date: 9/1/95 Project No. 10-OW-04-002
Day: Fri Station No. 11107
Weather: Overcast Address 18501 Hesperian Blvd, San Lorenzo CA
SAMPLER: DC

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.
mw-1	18.19	2"	OK	Φ	Φ	2	1133	65.2	7.49	0.42	7.9
						4	1138	65.6	7.35	0.43	
						6	1143	65.7	7.28	0.43	7.8

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
30.70 - 18.19 = 12.51 x .16 = 2.00 x 3 = 6.00
Purge Method: ○Surface Pump ○Disp.Tube ○Winch ☒Disp. Bailer(s) 1 ○Sys Port
Comments: See comments pg 2

☒ EPA 601 HCl; ☒ TPH-G/BTEX HCl; ☒ TPH Diesel HCl; ☒ TOG 5520 H2SO4 — Σ metals analysis
Time Sampled: 1150 1S-1

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.
mw-2	17.54	2"	replaced	Φ	Φ	1.5	1114	66.4	7.19	0.71	7.3
						3	1117	67.1	7.12	0.72	
						3.75	1119	67.0	6.96	0.71	7.9

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
25.00 - 17.54 = 7.46 x .16 = 1.19 x 3 = 3.58
Purge Method: ○Surface Pump ○Disp.Tube ○Winch ☒Disp. Bailer(s) 1 ○Sys Port
Comments:

○ EPA 601; ☒ TPH-G/BTEX HCl; ○ TPH Diesel; ○ TOG 5520
Time Sampled: 1125 1S-2

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.
mw-3	17.69	2"	OK	Φ	Φ	1.5	1157	67.0	7.21	0.73	8.2
						3	1210	67.5	6.79	0.72	
						3.75	1216	67.5	6.77	0.72	7.8

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
25.20 - 17.69 = 7.51 x .16 = 1.20 x 3 = 3.60
Purge Method: ○Surface Pump ○Disp.Tube ○Winch ☒Disp. Bailer(s) 1 ○Sys Port
Comments:

○ EPA 601; ☒ TPH-G/BTEX HCl; ○ TPH Diesel; ○ TOG 5520
Time Sampled: 1220 1S-3

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.
mw-6	16.25	2"	OK	Φ	Φ	1.5	1247	66.6	7.12	0.72	7.8
						3	1254	66.9	7.01	0.71	
						4.25	1258	67.1	6.91	0.71	7.5

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
25.00 - 16.25 = 8.75 x .16 = 1.4 x 3 = 4.20
Purge Method: ○Surface Pump ○Disp.Tube ○Winch ☒Disp. Bailer(s) 1 ○Sys Port
Comments:

○ EPA 601; ☒ TPH-G/BTEX HCl; ○ TPH Diesel; ○ TOG 5520
Time Sampled: 1302 1S-4

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.
mw-7	16.74	2"	OK	Φ	Φ	1.5	1224	67.1	6.94	0.71	7.9
						3	1229	67.4	6.74	0.69	
						4.5	1233	67.4	6.69	0.68	7.5

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
26.00 - 16.74 = 9.26 x .16 = 1.48 x 3 = 4.45
Purge Method: ○Surface Pump ○Disp.Tube ○Winch ☒Disp. Bailer(s) 1 ○Sys Port
Comments:

○ EPA 601; ☒ TPH-G/BTEX HCl; ○ TPH Diesel; ○ TOG 5520
Time Sampled: 1237 1S-5

Hydac Calibration ✓ 7 ✓ 4 pH @ 1047 DO meter Icm Zero DO soln ✓ @ 1100

ALISTO

Field Report / Sampling Data Sheet

ENGINEERING
GROUP
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

⊗ Groundwater Sampling

Date: 9/11/95 Project No. 10-060-04-002
Day: Fri Station No. 11107
Weather: Overcast Address 18501 Hesperian Blvd, San Lorenzo CA
SAMPLER: DK

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.
MW-5	16.63	2"	OK	Φ	Φ	1.5	1314	67.0	7.27	0.71	7.4
						3	1319	67.4	7.14	0.71	
						4.5	1324	67.6	7.09	0.73	7.4

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
26.00 - 16.63 = 9.37 x .16 = 1.5 x 3 = 4.49
Purge Method: OSurface Pump ODisp.Tube OWinch ⊗Disp. Bailer(s) 1 OSys Port
Comments: QC-1 from this well (S-7)

O EPA 601 ____
⊗ TPH-G/BTEX HCL
O TPH Diesel ____
O TOG 5520 ____
Time Sampled: 1330 (S-6)

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s) OSys Port
Comments:

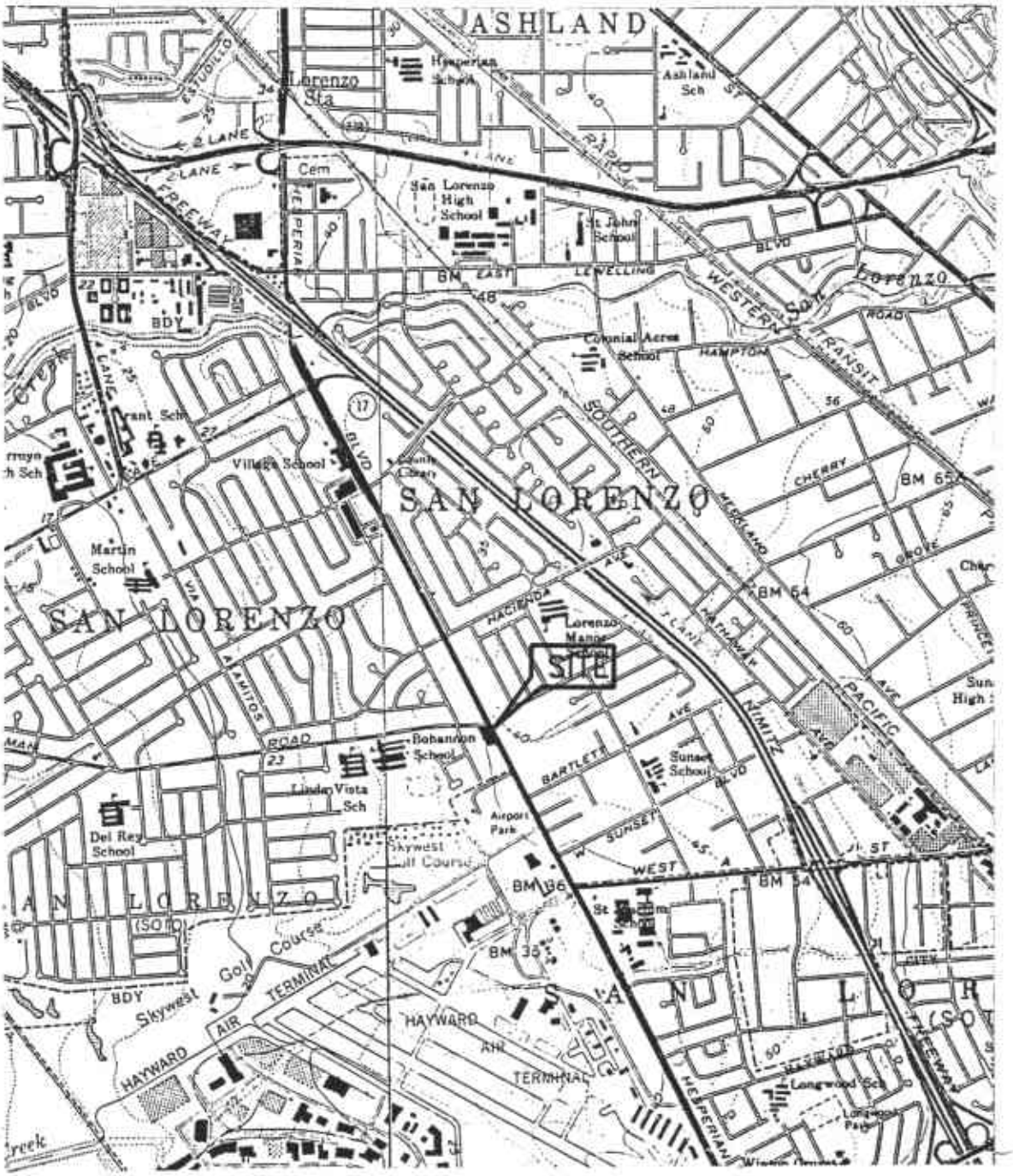
O EPA 601 ____
O TPH-G/BTEX ____
O TPH Diesel ____
O TOG 5520 ____
Time Sampled:

Well ID	Depth to Water	Diam	Cap/Lock	Product Depth	Thickness	Gal.	Time	Temp °F	pH	E.C.	D.O.

Total Depth - Water Level= x Well Vol. Factor= x#vol. to Purge= PurgeVol.
Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s) OSys Port
Comments:

O EPA 601 ____
O TPH-G/BTEX ____
O TPH Diesel ____
O TOG 5520 ____
Time Sampled:

* MW-1 (S-1) sampled out of order because mechanic was working on a car. Mechanic said he was almost done; will sample later



SOURCE:
USGS MAP, HAYWARD & SAN LEANDRO QUADRANGLES,
7.5 MINUTE SERIES. 1959.
PHOTOREVISED 1980.

N

0 1000' 2000'

FIGURE 1

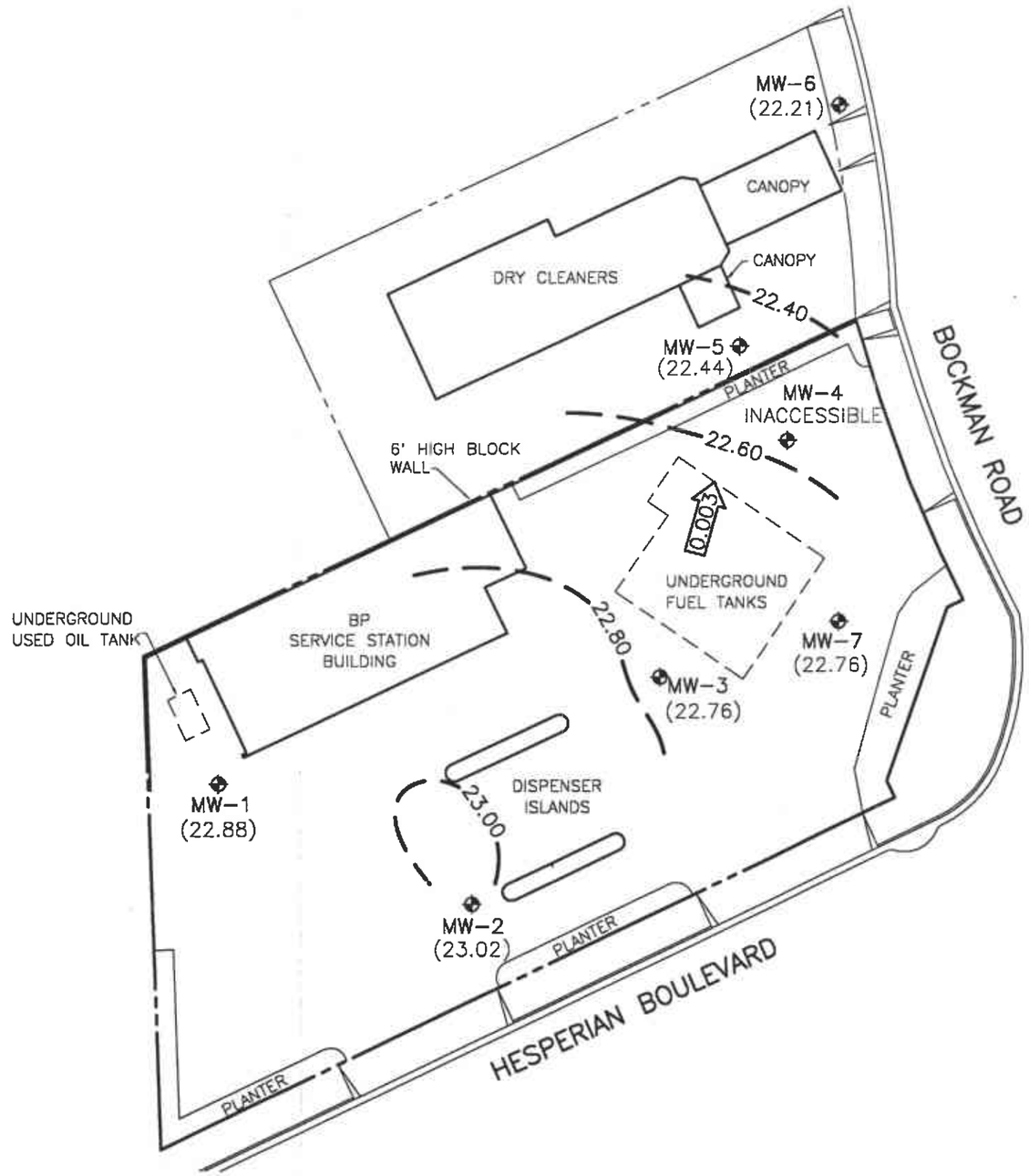
VICINITY MAP

BP OIL SERVICE STATION NO. 11107
18501 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

PROJECT NO. 10-060

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10060B — DWG 3-13-94 RW 1=1



N

0 30 60

SCALE IN FEET

LEGEND

- ◆ GROUNDWATER MONITORING WELL
- (23.02) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 23.00 GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL–0.20 FOOT)
- 0.003 CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

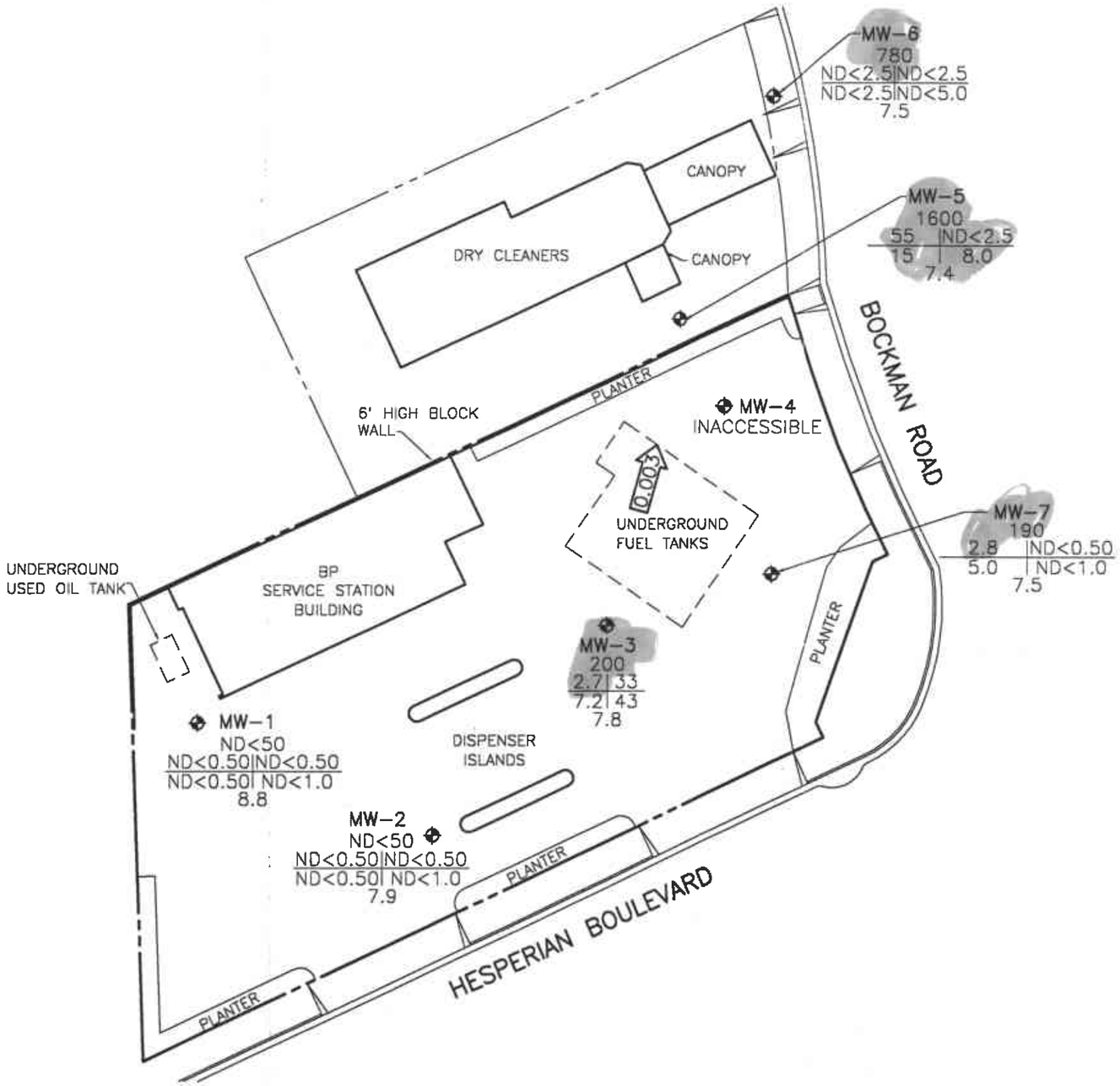
SEPTEMBER 1, 1995

BP OIL SERVICE STATION NO. 11107
18501 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

PROJECT NO. 10–060

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

100920-0.DWG 10-18-95 MAP 1=30



N

0 30 60

SCALE IN FEET

LEGEND

⊕	GROUNDWATER MONITORING WELL
TPH-G / B | T / E | X / DO	CONCENTRATION OF CONSTITUENTS IN MICROGRAMS PER LITER, EXCEPT DISSOLVED OXYGEN, WHICH IS IN PARTS PER MILLION
TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
DO	DISSOLVED OXYGEN
ND	NOT DETECTED ABOVE REPORTED DETECTION LIMIT
⇦ 0.003	CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 3

CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER

SEPTEMBER 1, 1995

BP OIL SERVICE STATION NO. 11107
18501 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

PROJECT NO. 10-060

ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

10060C-0.DWG 10-18-95 MAP 1=30

APPENDIX B

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

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

ATI I.D.: 50901

September 18, 1995

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

Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA
Project # : ???????/10-060-05-001

Attention: BILL HOWELL

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

Date Received	Quantity	Matrix
September 02, 1995	8	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

for ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

RECEIVED
SEP 22 1995

SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Report Date: September 18, 199
ATI I.D. : 509016

ATI #	Client Description	Matrix	Date Collected
1	S-1	WATER	01-SEP-95
2	S-2	WATER	01-SEP-95
3	S-3	WATER	01-SEP-95
4	S-4	WATER	01-SEP-95
5	S-5	WATER	01-SEP-95
6	S-6	WATER	01-SEP-95
7	S-7	WATER	01-SEP-95
8	S-8	WATER	01-SEP-95

---TOTALS---

Matrix	# Samples
WATER	8

ATI STANDARD DISPOSAL PRACTICE

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

ANALYTICAL SCHEDULE

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D.: 509016

Analysis	Technique/Description
EPA 413.2 (OIL & GREASE)	INFRARED SPECTROMETER
EPA 6010 (CHROMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (NICKEL)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (ZINC)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 7131 (CADMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 7421 (LEAD)	INDUCTIVELY COUPLED ARGON PLASMA
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS: C7-C24)	GC/FLAME IONIZATION DETECTOR
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZATION DETECTOR

GENERAL CHEMISTRY RESULTS

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001 ATI I.D.: 509016
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	S-1	WATER	01-SEP-95	02-SEP-95

Parameter	Units	1
OIL AND GREASE	MG/L	0.06

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
OIL AND GREASE	509016-01	MG/L	0.06	0.07	15	4.3	5.0	85

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

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
OIL AND GREASE	58653	MG/L	<0.05	4.5	5.0	90

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

METALS RESULTS

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D.: 50901

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	S-1	WATER	01-SEP-95	02-SEP-9

Parameter	Units	1
CADMIUM	MG/L	<0.0005
CHROMIUM	MG/L	0.02
NICKEL	MG/L	0.03
LEAD	MG/L	0.004
ZINC	MG/L	<0.05

METALS - QUALITY CONTROL

DUP/MS

Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001 ATI I.D. : 50901(
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
CADMIUM	509023-01	MG/L	<0.005	<0.0005	0	0.046	0.050	92
CHROMIUM	509023-01	MG/L	<0.01	<0.01	0	0.19	0.20	95
LEAD	509023-01	MG/L	0.009	0.009	0	0.48	0.50	94
NICKEL	509023-01	MG/L	<0.01	<0.01	0	0.48	0.50	96
ZINC	509023-01	MG/L	<0.05	<0.05	0	0.47	0.50	94

% 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 # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 50901

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
CADMIUM	58778	MG/L	<0.0005	0.049	0.050	98
CHROMIUM	58763	MG/L	<0.01	0.20	0.20	100
LEAD	58778	MG/L	<0.002	0.49	0.50	98
NICKEL	58763	MG/L	<0.01	0.50	0.50	100
ZINC	58764	MG/L	<0.05	0.48	0.50	96

% 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 (FUEL HYDROCARBONS: C7-C24)
Client : ALISTO ENGINEERING ATI I.D. : 509016
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	S-1	WATER	01-SEP-95	05-SEP-95	06-SEP-95	1.00

Parameter	Units	1
FUEL HYDROCARBONS	MG/L	<0.05
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	88

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank I.D. : 36638
Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: 05-SEP-95
Date Analyzed : 06-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
FUEL HYDROCARBONS	MG/L	<0.05
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	113

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 78336
Client : ALISTO ENGINEERING

Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: 05-SEP-95
Date Analyzed : 07-SEP-95
Sample Matrix : WATER
REF I.D. : REAGENT WATER

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/L	<0.050	1.0	0.54	54	0.54	54	0

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

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 509016
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	S-1	WATER	01-SEP-95	N/A	15-SEP-95	1.00
2	S-2	WATER	01-SEP-95	N/A	15-SEP-95	1.00
3	S-3	WATER	01-SEP-95	N/A	15-SEP-95	1.00

Parameter	Units	1	2	3
METHYL T-BUTYL ETHER	UG/L	<5.0	<5.0	<5.0
BENZENE	UG/L	<0.50	<0.50	2.7
TOLUENE	UG/L	<0.50	<0.50	33
ETHYLBENZENE	UG/L	<0.50	<0.50	7.2
XYLENES (TOTAL)	UG/L	<1.0	<1.0	43
FUEL HYDROCARBONS	UG/L	<50	<50	200
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	88	97	96

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 509016
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	S-4	WATER	01-SEP-95	N/A	15-SEP-95	5.00
5	S-5	WATER	01-SEP-95	N/A	14-SEP-95	1.00
6	S-6	WATER	01-SEP-95	N/A	15-SEP-95	5.00

Parameter	Units	4	5	6
METHYL T-BUTYL ETHER	UG/L	2800	10	1200
BENZENE	UG/L	<2.5	2.8	55
TOLUENE	UG/L	<2.5	<0.50	<2.5
ETHYLBENZENE	UG/L	<2.5	5.0	15
XYLENES (TOTAL)	UG/L	<5.0	<1.0	8.0
FUEL HYDROCARBONS	UG/L	780	190	1600
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	102	120	114

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 509016
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	S-7	WATER	01-SEP-95	N/A	15-SEP-95	5.00
8	S-8	WATER	01-SEP-95	N/A	15-SEP-95	1.00

Parameter	Units	7	8
METHYL T-BUTYL ETHER	UG/L	1300	<5.0
BENZENE	UG/L	64	<0.50
TOLUENE	UG/L	<2.5	<0.50
ETHYLBENZENE	UG/L	14	<0.50
XYLENES (TOTAL)	UG/L	3.1	<1.0
FUEL HYDROCARBONS	UG/L	1200	<50
HYDROCARBON RANGE		C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE
SURROGATES			
TRIFLUOROTOLUENE	%	118	99

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36749
Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: N/A
Date Analyzed : 15-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. : 36751
Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: N/A
Date Analyzed : 16-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 # : 78545
Client : ALISTO ENGINEERING

Project # : ???????/10-060-05-001
Project Name: BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: N/A
Date Analyzed : 15-SEP-95
Sample Matrix : WATER
REF I.D. : 509016-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	4.4	88	4.9	98	11
TOLUENE	UG/L	<0.50	5.0	4.6	92	5.1	102	10

% 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 #: 58879
Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name : BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: N/A
Date Analyzed : 15-SEP-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

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 58881
Client : ALISTO ENGINEERING
Project # : ???????/10-060-05-001
Project Name : BP SITE#11107/18501 HESPESIVAN BLVD, SAN LORENZO,CA

ATI I.D. : 509016
Date Extracted: N/A
Date Analyzed : 16-SEP-95
Sample Matrix : WATER

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

ACCESSION #: 509016 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	2	
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.	SEE #D	
	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: * 2 VOA VIALS RECEIVED FOR S-1 LABELED "ANALYSIS 8010" NOT REQUESTED ON COC.

(11) ONE VOA VIAL FOR S-2 RECEIVED FROZEN WITH BOTTOM OF VOA VIAL POPPED OFF. ONE VOA VIAL REMAINING = LIMITED SAMPLE.

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 # 509016

CHAIN OF CUSTODY

No. 055927 Page 1 of 1

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

BP SITE NUMBER	BP CORNER ADDRESS/CITY	CONSULTANT PROJECT NUMBER
11107	18501 Hesperian Blvd, San Lorenzo CA	10-060-01-001

CONSULTANT PROJECT MANAGER	PHONE NUMBER	FAX NUMBER	CONSULTANT CONTRACT NUMBER
Bill Howell	(510) 295 1650	(510) 295 1823	Pending

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

LAB CONTACT	LABORATORY ADDRESS	PHONE NUMBER	FAX NO.
ATI Inc	San Diego CA		

SAMPLED BY (Please Print Name)	SAMPLED BY (Signature)	SHIPMENT DATE	SHIPMENT METHOD
Dave Cusack	[signature]	9/1/95	Fed-ex

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

AIRBILL NUMBER: 6681023587 0

ANALYSIS REQUIRED

SAMPLE DESCRIPTION	COLLECTION DATE / COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	TYPE (VOL.)	PRESERVATIVE / LAB SAMPLE #	HCl TPH Gas BTEX MTBE	HCl TPH Dsl	H2SO4 TOG	HNO3 Soluble Cd, Cr, Zn, Pb, Ni, Ix							COMMENTS
S-1 1150	9/1/95	H2O	9	VOAs	01	X	X	X	X							
S-2 1125	↓	↓	2	VOA	02	↓										
S-3 1220	↓	↓	↓	↓	03	↓										
S-4 1302	↓	↓	↓	↓	04	↓										
S-5 1237	↓	↓	↓	↓	05	↓										
S-6 1330	↓	↓	↓	↓	06	↓										
S-7 —	↓	↓	↓	↓	07	↓										
S-8 —	↓	↓	↓	↓	08	↓										

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature] Alisto	9/1/95	1600	[signature] / ATI	9.2.95	08:45

ADDITIONAL COMMENTS

CIV 16722

Distribution: White - Original (with Data) Pink - Lab