

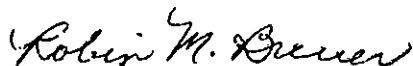
88-44-369-20-1518
Mr. Eddie So
SFBRWQCB
December 31, 1991
Page 2

Work conducted is consistent with the Tri-Regional Water Quality Control Board guidelines for underground storage tank fuel leak investigations. Sampling, chain-of-custody protocols, and recommended analytical methods have been included in previous quarterly reports and are on file with the regulatory agencies.

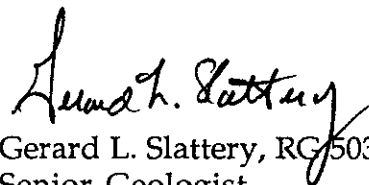
Please call if you have any questions.

Very truly yours,

Converse Environmental West



Robin M. Breuer
Principal Regulatory Specialist



Gerard L. Slattery, RG 5038
Senior Geologist
Technical Services Manager

cc: Mr. Rafat Shahid - Alameda County Health Care Services
Mr. Jack Brastad - Shell Oil Company

Attachments: Certification
Drawing 1 - Site Location
Drawing 2 - Site Plot Plan
Drawing 3 - Groundwater Contour Map
Table 1 - Summary Table
Table 2 - Results of Groundwater Chemical Analyses
Table 3 - Groundwater Monitoring Well Information
Table 4 - Chronological Summary
Laboratory Results
Chain-of-Custody Forms

CERTIFICATION

This report of activities for the Shell Oil Company facility at 630 High Street, Oakland, California has been prepared by the staff of **Converse Environmental West** under the professional supervision of the Engineer and/or Geologist whose seal(s) and signature(s) appear hereon.

The findings, recommendations, specifications or professional opinions are presented, within the limits prescribed by the Client, after being prepared in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied.

Respectfully submitted,



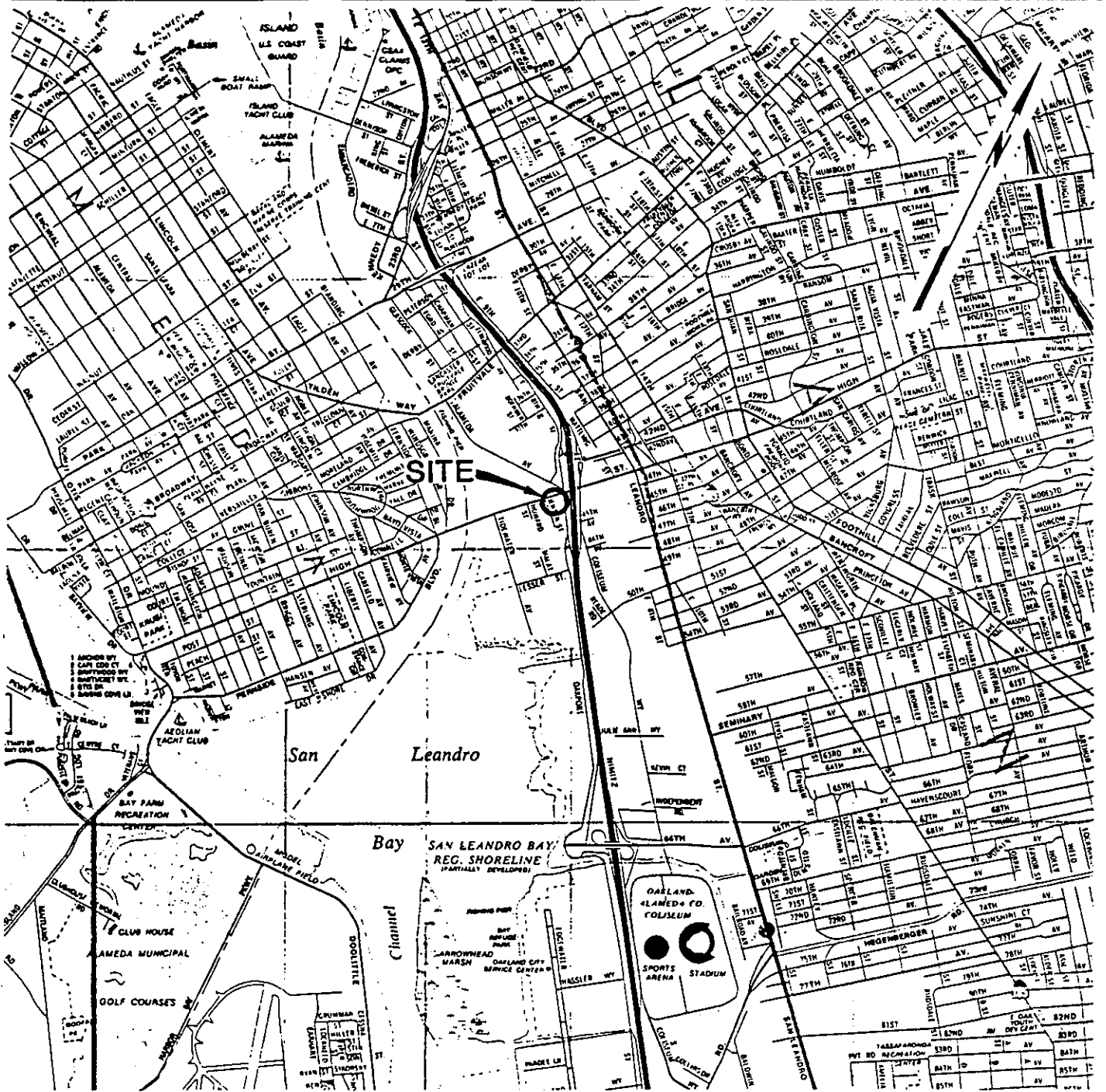
Robin M. Breuer

ROBIN M. BREUER
Principal Regulatory Specialist

Gerard L. Slattery

GERARD L. SLATTERY, RG 5038
Senior Geologist
Technical Services Manager

DRAWINGS



SOURCE: California State Automobile Association

SITE LOCATION MAP

SHELL OIL COMPANY
 630 High Street
 Oakland, California

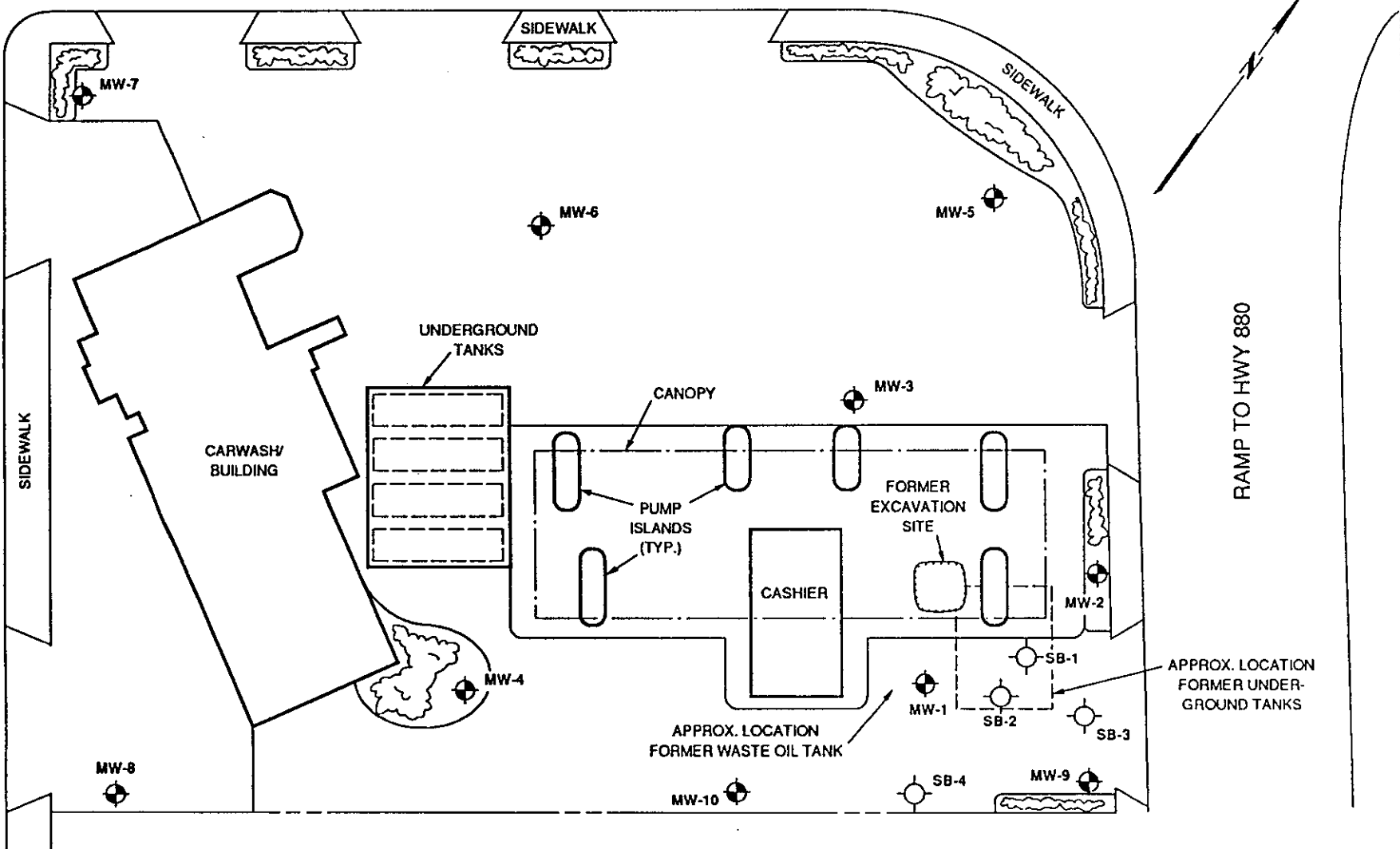
Scale	AS SHOWN	Project No.	88-44-369-20
Prepared by	KGC	Date	6/5/90
Checked by	RMB	Drawing No.	
Approved by	CRC		1





Converse Environmental West

HIGH STREET

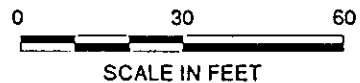
JENSEN STREET



LEGEND

- SB-1  SOIL BORING (locations approximate)
- MW-1  GROUNDWATER MONITORING WELL

Base Map: Surveyed with EDM, Converse 1989.

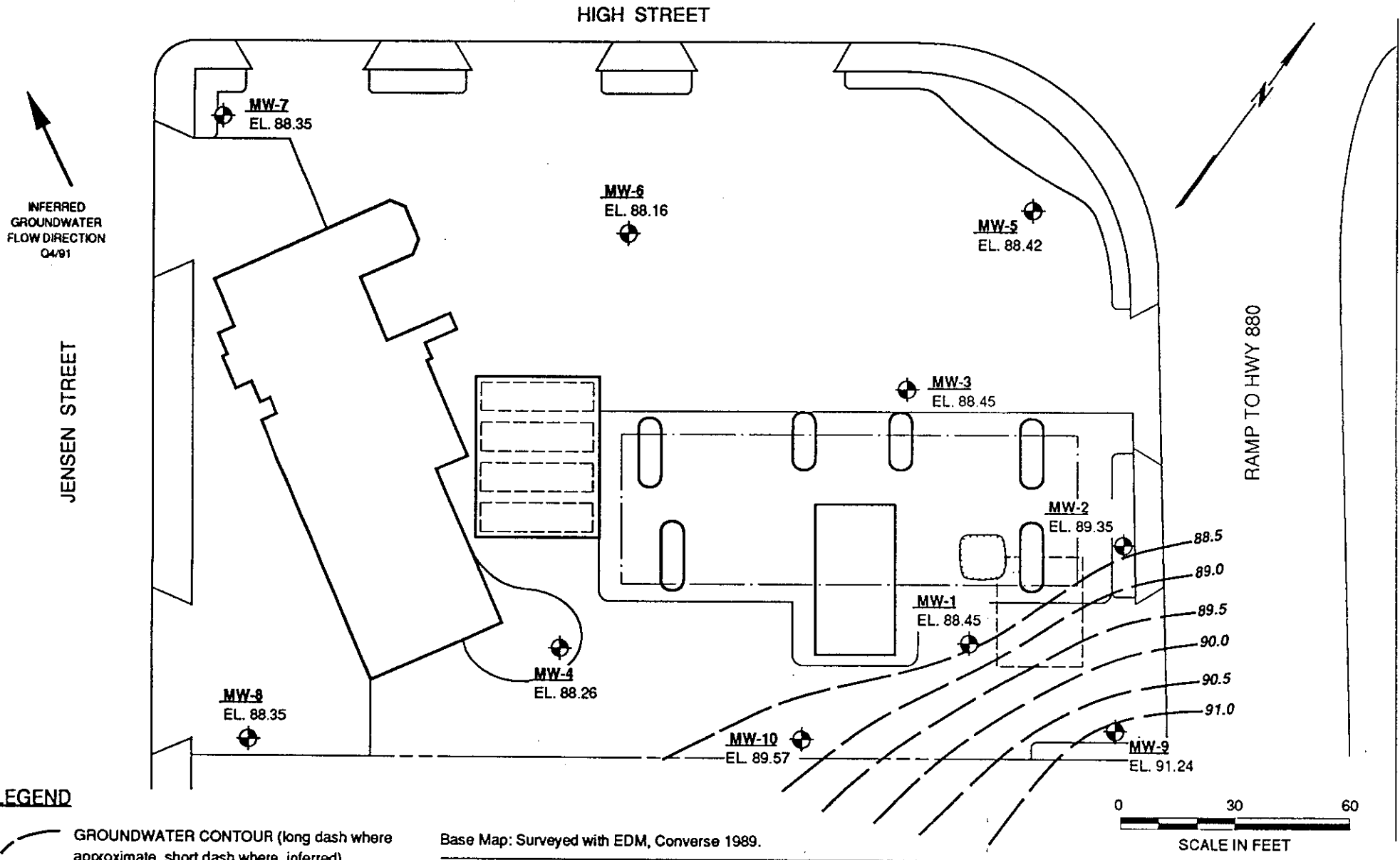


PLOT PLAN

SHELL OIL COMPANY
630 High Street
Oakland, California

Scale	AS SHOWN	Project No.	88-44-369-20
Prepared by	KGC	Date	3/28/91
Checked by	RMB	Drawing No.	2
Approved by	crc		

 **Converse Environmental West**



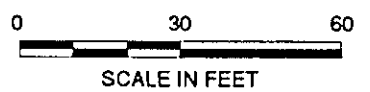
LEGEND

— GROUNDWATER CONTOUR (long dash where approximate, short dash where inferred)

MW-1 GROUNDWATER MONITORING WELL SHOWING GROUNDWATER ELEVATION

NOTES: GROUNDWATER ELEVATIONS GIVEN IN FEET ABOVE MEAN SEA LEVEL

Base Map: Surveyed with EDM, Converse 1989.



GROUNDWATER CONTOUR MAP Q4/91

SHELL OIL COMPANY
630 High Street
Oakland, California



Converse Environmental West

Scale	Project No.
AS SHOWN	88-44-369-20
Prepared by	Date
LQL/TNW	12/27/91
Checked by	Drawing No.
RMB	
Approved by	3
PAF	

TABLES

TABLE 1. ACTIVITY SUMMARY - QUARTER 4, 1991

Shell Oil Company Facility
630 High Street
Oakland, California

PERCENT COMPLETE

Quarter 4, 1991

Total to Date

Activity	Quarter 4, 1991		Total to Date	
	Onsite	Offsite	Onsite	Offsite
Soil Characterization	85	---	85	---
Groundwater Characterization (Dissolved Product)	70	---	70	---
Groundwater Characterization (Floating Product)	NA	NA	NA	NA
Soil Remediation	0	---	0	---
Groundwater Remediation (Dissolved Product)	0	---	0	---
Groundwater Remediation (Floating Product)	NA	NA	NA	NA

NOTES:

NA Not Applicable

TABLE 2. RESULT OF GROUNDWATER CHEMICAL ANALYSES

**Shell Oil Company
630 High Street
Oakland, California**

Concentration (mg/L)

Well No.	Date Sampled	TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethyl-benzene	Xylenes	Lead
MW-1	05/25/89	11	7.1	1.6	0.006	0.023	0.023	0.180	NA
MW-1	08/29/89	17	7.2	1.9	0.20	0.18	0.059	0.55	<0.002
MW-1	12/12/89	13	4.4	<0.05	0.250	0.036	0.270	0.380	NA
MW-1	02/20/90	11	3.8	<0.05	0.24	0.034	0.35	0.57	NA
MW-1	04/25/90	9.4	3.8	<0.05	0.17	0.035	0.0086	0.39	NA
MW-1	08/02/90	10.0	4.0	<0.5	0.25	0.03	0.0055	0.38	NA
MW-1	10/18/90	8.6	5.9	<0.5	0.22	0.028	0.31	0.27	NA
MW-1	01/29/91	11.0	21.0*	<0.5	0.31	0.041	0.5	0.4	NA
MW-1	04/30/91	8.3	2.1	<0.5	0.25	0.032	0.310	0.3	NA
MW-1	07/23/91	11.0	3.8	<0.5	0.31	0.036	0.29	0.28	NA
MW-1	10/22/91	9.6	3.5	<0.5	0.2	0.014	0.02	0.17	NA
MW-2	05/25/89	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0015	<0.0015	NA
MW-2	08/29/89	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0015	<0.0015	<0.002
MW-2	12/11/89	<0.05	0.081	0.22	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-2	02/20/90	<0.05	<0.05	<0.05	<0.0005	0.0006	<0.0005	<0.0005	NA
MW-2 ¹	08/02/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-2 ¹	01/29/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-2	04/30/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-2	07/23/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-2	10/22/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-3	05/25/89	1.2	0.40	0.088	<0.0005	<0.0005	<0.0015	<0.0015	NA
MW-3	08/29/89	2.5	0.81	<0.05	0.025	0.01	0.0065	0.0055	<0.02
MW-3	12/15/89	2.8	0.81	<0.05	0.015	0.008	0.004	0.012	NA
MW-3	02/15/90	2.6	0.53	<0.05	0.016	0.0019	0.0076	0.0041	NA
MW-3	04/24/90	2.6	0.48	<0.05	0.028	0.007	0.007	0.015	NA
MW-3	08/02/90	2.6	3.6	<0.5	0.035	0.0052	0.0091	0.0094	NA
MW-3	10/18/90	2.5	0.94	<0.5	0.042	0.0072	0.013	0.027	NA
MW-3	01/29/91	2.3	0.41*	<0.5	0.017	0.0041	0.01	0.023	NA
MW-3	05/01/91	<0.05	0.26	<0.5	0.022	0.004	0.007	0.017	NA
MW-3	07/23/91	2.0	0.31	<0.5	0.051	<0.0005	<0.0005	<0.0005	NA
MW-3	10/22/91	2.9	0.44	<0.5	0.068	0.012	<0.0005	<0.0005	NA

TABLE 2 (cont'd). RESULT OF GROUNDWATER CHEMICAL ANALYSES

Shell Oil Company
630 High Street
Oakland, California

Concentration (mg/L)

Well No.	Date Sampled	TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethyl-benzene	Xylenes	Lead
MW-4	05/25/89	2.9	1.1	0.29	<0.005	0.0094	<0.0015	0.0034	NA
MW-4	08/29/89	2.9	1.5	0.79	0.029	<0.0005	0.012	0.0016	<0.002
MW-4	12/12/89	4.6	1.0	<0.05	0.170	0.026	0.011	0.020	NA
MW-4	02/13/90	1.9	0.86	<0.05	0.055	0.0091	0.0047	0.0026	NA
MW-4	04/24/90	3.0	1.1	<0.05	0.17	0.020	0.0067	0.016	NA
MW-4	08/01/90	4.2	1.0	<0.5	0.22	0.015	0.0093	0.018	NA
MW-4	10/18/90	3.4	1.9	<0.5	0.21	0.019	0.013	0.032	NA
MW-4	01/29/91	2.6	1.3*	<0.5	0.083	<0.0005	<0.0005	0.011	NA
MW-4	05/01/91	2.6	0.75	<0.5	0.022	0.004	0.007	0.017	NA
MW-4	07/23/91	4.3	1.2	<0.5	0.12	<0.0005	<0.0005	0.001	NA
MW-4	10/21/91	4.0	1.5	<0.5	0.140	0.014	0.0097	0.016	NA
MW-5	08/30/89	1.4	0.30	<0.05	0.0049	0.00079	0.0056	0.0068	<0.002
MW-5	12/05/89	1.4	0.33	<0.05	0.0049	0.0038	0.0091	0.008	NA
MW-5	02/15/90	<0.05	0.18	<0.05	0.0042	0.00076	0.0024	0.0033	NA
MW-5	04/24/90	0.42	0.16	<0.05	0.0056	0.001	0.0006	0.0041	NA
MW-5	08/02/90	0.88	0.22	<0.5	0.013	0.002	0.0041	0.0081	NA
MW-5	10/18/90	5.0	1.1	<0.5	0.15	0.013	0.033	0.04	NA
MW-5	01/28/91	3.1	0.72	<0.5	0.086	<0.0005	0.024	0.028	NA
MW-5	04/30/91	<0.05	0.09	<0.5	0.046	<0.0005	0.009	0.009	NA
MW-5	07/23/91	1.7	0.30	<0.5	0.023	<0.0005	6.7	10	NA
MW-5	10/22/91	4.1	0.65	<0.5	0.067	0.0096	0.023	0.016	NA
MW-6	08/29/89	<0.05	0.32	0.45	<0.0005	<0.0005	<0.0015	<0.0015	<0.002
MW-6	12/05/89	<0.05	0.60	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	02/15/90	<0.05	0.55	<0.05	<0.0005	<0.0005	<0.0005	0.0045	NA
MW-6	04/23/90	0.18	1.2	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	08/02/90	<0.05	0.90	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	10/18/90	<0.05	0.96	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	01/28/91	<0.05	0.86	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	05/01/91	<0.05	1.1	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	07/23/91	<0.05	1.2	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-6	10/22/91	<0.05	1.0	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA

TABLE 2 (cont'd). RESULT OF GROUNDWATER CHEMICAL ANALYSES

Shell Oil Company
630 High Street
Oakland, California

Concentration (mg/L)

Well No.	Date Sampled	TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethyl-benzene	Xylenes	Lead
MW-7	08/29/89	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0015	<0.0015	<0.002
MW-7	12/05/89	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	02/13/90	<0.05	<0.05	<0.05	<0.0005	0.00056	<0.0005	<0.0005	NA
MW-7	04/24/90	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	08/01/90	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	10/18/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7 ²	10/18/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	01/28/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	05/01/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	07/23/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-7	10/22/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	08/29/89	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0015	<0.0015	<0.002
MW-8	12/11/89	<0.05	<0.05	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	02/13/90	<0.05	<0.05	<0.05	<0.0005	0.00056	<0.0005	<0.0005	NA
MW-8	04/23/90	0.18	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	08/01/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	10/18/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	01/28/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	05/01/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	07/23/91	<0.05	<0.05	0.6	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-8	10/21/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	12/13/89*	<0.05	0.23	0.54	<0.0044	<0.006	<0.0072	<0.005	NA
MW-9	02/20/90	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	04/24/90	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	08/02/90	<0.05	<0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	10/18/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	01/29/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	05/01/91	<0.05	<0.05	<0.5	0.0006	0.0005	<0.0005	0.0011	NA
MW-9	07/23/91	<0.05	<0.05	0.8	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-9	10/22/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA

TABLE 2 (cont'd). RESULT OF GROUNDWATER CHEMICAL ANALYSES

Shell Oil Company
630 High Street
Oakland, California

Concentration (mg/L)

Well No.	Date Sampled	TPH-g	TPH-d	TPH-mo	Benzene	Toluene	Ethyl-benzene	Xylenes	Lead
MW-10	12/13/89*	<0.05	0.11	0.30	<0.0044	<0.006	<0.0072	<0.005	NA
MW-10	02/20/90	<0.05	0.06	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	04/25/90	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	08/02/90	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	10/18/90	<0.05	0.24	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	01/30/91	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	05/01/91	<0.05	0.46	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	07/23/91	<0.05	<0.05	0.9	<0.0005	<0.0005	<0.0005	<0.0005	NA
MW-10	10/22/91	<0.05	<0.05	<0.5	<0.0005	<0.0005	<0.0005	<0.0005	NA

NOTES:

- * TPH-d detected appears to be a lighter hydrocarbon
- NA Not analyzed
- BTEX Analyses by GCMS (EPA Method 624)
- 1 MW-2 analyzed semi-annually
- 2 Duplicate
- Bold** Samples analyzed during this quarter

TABLE 3. GROUNDWATER MONITORING INFORMATION

**Shell Oil Company
630 High Street
Oakland, California**

Well No.	Date Monitored	Depth to Water (ft bgs)	Petroleum Odor in Water	Thickness Floating Product (inches)	Comments
MW-1 EL 99.35	05/25/89	10.43	Yes	None	Gray sheen
	08/29/89	10.94	Yes	None	Sheen
	12/05/89	10.32	Yes	None	No sheen
	02/20/90	9.94	Yes	None	None
	04/23/90	10.50	Strong	None	Light sheen
	08/01/90	10.50	---	None	Slight sheen
	10/18/90	11.02	Yes	None	Slight sheen
	01/29/91	10.79	Moderate	None	None
	04/30/91	9.48	None	None	Cloudy
	07/22/91	10.53	Slight	None	None
	10/21/91	10.90	Strong	None	Clear
MW-2 EL 101.15	05/25/89	11.63	None	None	No sheen
	08/29/89	12.62	None	None	No sheen
	12/05/89	11.83	None	None	No sheen
	02/01/90	11.50	None	None	None
	04/23/90	11.76			No sample taken
	08/01/90	11.98	None	None	Clear
	10/17/90	12.96			No sample taken
	01/29/91	13.25	None	None	Clear
	04/30/91	10.94	None	None	Clear
	07/22/91	12.14	None	None	Clear
	10/21/91	12.80	None	None	Clear
MW-3 EL 99.49	05/25/89	10.43	None	None	No sheen
	08/29/89	10.90	None	None	No sheen
	12/05/89	10.46	Yes	None	No sheen
	02/01/90	10.15	None	None	---
	04/23/90	10.43	Slight	None	None
	08/01/90	10.54	Slight	None	Clear
	10/17/90	11.13	None	None	Clear
	01/29/91	11.09	Slight	None	Clear
	04/30/91	9.57	Yes	None	Clear
	07/22/91	10.66	None	None	Clear
	10/21/91	11.04	Slight	None	Clear

TABLE 3 (cont'd). GROUNDWATER MONITORING INFORMATION

Shell Oil Company
630 High Street
Oakland, California

Well No.	Date Monitored	Depth to Water (ft bgs)	Petroleum Odor in Water	Thickness Floating Product (inches)	Comments
MW-4 EL 99.24	05/25/89	10.72	Yes	None	Sheen
	08/29/89	11.28	Yes	None	No sheen
	12/05/89	10.53	Yes	None	No sheen
	02/01/90	10.15	Yes	None	None
	04/23/90	10.65	None	None	None
	08/01/90	10.87	None	None	Clear
	10/17/90	11.35	Strong	None	Clear
	01/29/91	10.76	Slight	None	Clear
	04/30/91	9.45	Yes	None	Sheen
	07/22/91	10.34	None	None	None
	10/21/91	10.98	Strong	None	Clear
MW-5 EL 100.08	08/29/89	11.38	Yes	None	No sheen
	12/05/89	11.27	Yes	None	No sheen
	02/01/90	10.81	Yes	None	None
	04/23/90	11.06	Slight	None	Clear
	08/01/90	11.29	Slight	None	Clear
	10/17/90	11.70	Slight	None	Clear
	01/29/91	11.72		None	None
	04/30/91	10.45	None	None	Clear
	07/22/91	11.43	None	None	Clear
	10/21/91	11.66	Strong	None	Clear
MW-6 EL 98.56	08/29/89	10.59	Yes	None	No sheen
	12/05/89	8.23	None	None	No sheen
	02/01/90	9.43	None	None	None
	04/23/90	9.97	None	None	None
	08/01/90	10.14	None	None	Solvent odor
	10/18/90	10.61	None	None	Clear
	01/28/91	10.23	None	None	Clear
	04/30/91	9.15	None	None	Clear
	07/22/91	10.10	None	None	Clear
	10/21/91	10.40	None	None	Clear
MW-7 EL 97.53	08/29/89	9.75	None	None	No sheen
	12/05/89	9.29	None	None	No sheen
	02/13/90	8.65	None	None	None
	04/23/90	9.28	None	None	None
	08/01/90	9.28	None	None	Clear
	10/17/90	9.38	None	None	Clear
	01/28/91	8.91	None	None	Clear
	04/30/91	8.38	None	None	Clear
	07/22/91	9.13	None	None	Clear
	10/21/91	9.18	None	None	Clear

TABLE 3 (cont'd). GROUNDWATER MONITORING INFORMATION

Shell Oil Company
630 High Street
Oakland, California

Well No.	Date Monitored	Depth to Water (ft bgs)	Petroleum Odor in Water	Thickness Floating Product (inches)	Comments
MW-8 EL. 97.13	08/29/89	9.02	None	None	No sheen
	12/05/89	9.87	None	None	No sheen
	02/13/90	7.73	None	None	None
	04/23/90	7.83	None	None	Clear
	04/23/90	9.28	None	None	Clear
	08/01/90	8.44	None	None	Clear
	10/17/90	9.06	None	None	Clear
	01/28/91	8.47	None	None	Clear
	04/30/91	7.64	None	None	Clear
	07/22/91	8.36	None	None	Clear
10/21/91	8.78	None	None	Clear	
MW-9 EL 99.72	12/05/89	11.52	None	None	No sheen
	02/20/90	7.94	None	None	
	04/23/90	8.15	None	None	Clear
	08/01/90	8.33	None	None	Clear
	10/17/90	8.65	None	None	Clear
	01/29/91	8.27	None	None	None
	04/30/91	7.62	None	None	Clear
	07/22/91	8.48	Slight	None	Clear
10/21/91	8.48	None	None	Clear	
MW-10 EL 98.99	12/05/89	9.55	None	None	No sheen
	02/20/90	10.69	None	None	None
	04/23/90	10.00	None	None	Clear
	08/01/90	9.99	None	None	Clear
	10/17/90	10.83	None	None	Clear
	01/29/91	10.81			None
	04/30/91	8.79	None	None	None
	07/22/91	9.94	None	None	None
10/21/91	10.42	None	None	None	

NOTES:

Bold Samples analyzed in Quarter 4, 1991
ft bgs Feet below ground surface
 All elevations are tied into a temporary benchmark elevation of 100.00 feet

TABLE 4. CHRONOLOGICAL SUMMARY

For Shell Property at
630 High Street, Oakland, California

The following chronological summary is based on information provided to Converse Environmental West (CEW) by Shell Oil Company (Shell). CEW was not provided with certain information related to the construction, operational, and environmental history of the site. According to Shell, the following information is not available in Shell files: volume of contaminated soil removed at the time of tank removal, geometry of the excavation created during tank removal, if any, and date and volume of any possible releases at the site.

<u>Date</u>	<u>Description of Activity</u>
01/85	Re-modernization of gas station. Armor Norman dismantled and removed all fuel dispensing facilities and excavated certain areas near former pump islands, product lines and areas which smelled of gasoline.
01/26/89	Blaine Technical Services collected and analyzed (10) excavation soil samples. The inspector from the Alameda County Health Department specified sampling locations. Soil were analyzed for TPH-g, BTEX and organic lead.
02/03/89	Blaine Technical Services collected and analyzed soil samples in areas of product dispensing pump islands after additional excavation in these areas and in areas of former waste oil and gasoline tank pits (Sample No. 10-75 ppm and No. 12-600 ppm TPH-g).
02/03/89	Further excavation in former waste oil tank pit. Soil and groundwater samples were collected and analyzed in the area around Sample No. 12 of February 3, 1989 sampling event. These soil sample contained less than 50 ppm TPH-d. Groundwater Sample No. 3 from that area contained 1,800 ppm TPH-g and 200 ppm TPH-d.
02/24/89	Alameda County Environmental Health Department notified Shell that site conditions indicated a confirmed release, which required an investigation Work Plan within 25 days of the letter date.
03/89	Shell transferred project to CEW.
03/20/89	CEW submitted Revised Work Plan to agencies.
04/26/89	CEW installed wells MW-1 to MW-4 and soil borings SB-1 and SB-2.
05/19/89	CEW developed wells MW-1 through MW-4.
05/25/89	CEW surveyed site and well head elevations (MW-1 through MW-4) to arbitrary.

TABLE 4 (cont'd). CHRONOLOGICAL SUMMARY

Date	Description of Activity
05/26/89	CEW sampled groundwater from wells MW-1 through MW-4.
08/15/89	CEW installed wells MW-5 through MW-8 and boring SB-3.
08/22/89	CEW surveyed wells MW-5 through MW-8 to arbitrary datum.
08/29/89	CEW sampled and developed wells MW-5 through MW-8.
10/17/89	Loma Prieta Earthquake struck.
11/15/89	CEW installed wells MW-9 and MW-10 and boring SB-4.
11/22/89	CEW developed wells MW-9 and MW-10.
12/11/89	CEW sampled and surveyed wells MW-9 and MW-10.
01/31/90	CEW submitted Addendum to Quarterly Report Q4/89.
02/13, 02/14 02/15 & 02/20/90	CEW sampled and surveyed wells MW-1 through MW-10, performed slug tests on wells MW-5 through MW-9.
04/23 through 04/25/90	CEW sampled wells MW-1 through MW-10. CEW applied for offsite well permit with the City of Oakland.
08/01/90 & 08/02/90	CEW sampled wells MW-1 through MW-10.
12/28/90	CEW submitted Q4/90 Report of Activities.
01/28-29/91	CEW sampled wells MW-1 through MW-10.
03/28/91	CEW submitted Q1/91 Report of Activities.
04/30 and 05/01/91	CEW measured depth to water and sampled wells MW-1 through MW-10.
06/28/91	CEW submitted Q2/91 Report of Activities to the agencies.
07/22/91	CEW measured depth to water and sampled wells MW-1 through MW-10.
09/30/91	CEW submitted Q3/91 Report of Activities to the agencies.
10/21-22/91	Converse measured depth to water and sampled wells MW-1 to MW-10.
12/31/91	Converse submitted Q4/91 Report of Activities to the agencies.

Boldface items were conducted during this quarter.

**LABORATORY RESULTS and
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Fax: (707) 526-9623

Robin Breuer
Converse Consultants
55 Hawthorne St, Ste 500
San Francisco, CA 94105

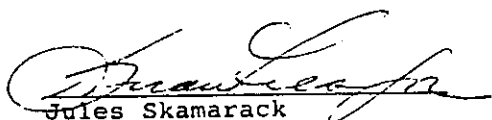
Date: 11/05/1991
NET Client Acct. No: 35340
NET Pacific Log No: 91.0187
Received: 10/23/1991

Client Reference Information

SHELL, 630 High St., Project: 88-44-369-20

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

Enclosure(s)



NET Pacific, Inc

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-1
 Date Taken: 10/22/1991
 Time Taken: 11:15
 LAB Job No: (-102792)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			10	
as Gasoline	5030	0.05	9.6	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		10	
Benzene	8020	0.5	200	ug/L
Ethylbenzene	8020	0.5	20	ug/L
Toluene	8020	0.5	14	ug/L
Xylenes (Total)	8020	0.5	170	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			10	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	3.5	mg/L
as Motor Oil	3510	0.5	ND	mg/L



NET Pacific, Inc

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-2
 Date Taken: 10/22/1991
 Time Taken: 10:45
 LAB Job No: (-102793)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



NET Pacific, Inc

Client Acct: 35340
Client Name: Converse Consultants
NET Log No: 91.0187

Date: 11/05/1991
Page: 4

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-3
Date Taken: 10/22/1991
Time Taken: 10:30
LAB Job No: (-102794)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)			--	
METHOD 5030 (GC,FID)			10/31/91	
DATE ANALYZED			10	
DILUTION FACTOR*			2.9	mg/L
as Gasoline	5030	0.05		
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10/31/91	
DILUTION FACTOR*	8020		10	
Benzene	8020	0.5	68	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	12	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)			1	
DILUTION FACTOR*			10-29-91	
DATE EXTRACTED			11-01-91	
DATE ANALYZED				
as Diesel	3510	0.05	0.44	mg/L
as Motor Oil	3510	0.5	ND	mg/L



Client Acct: 35340
 Client Name: Converse Consultants
 NET Log No: 91.0187

Date: 11/05/1991
 Page: 5

NET Pacific, Inc

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-9
 Date Taken: 10/22/1991
 Time Taken: 11:00
 LAB Job No: (-102795)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



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Client Acct: 35340
Client Name: Converse Consultants
NET Log No: 91.0187

Date: 11/05/1991
Page: 6

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-5
Date Taken: 10/22/1991
Time Taken: 10:00
LAB Job No: (-102796)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid, 3510)	3510		10-29-91	
TPH (Gas/BTXE, Liquid)			--	
METHOD 5030 (GC, FID)				
DATE ANALYZED			10/31/91	
DILUTION FACTOR*			10	
as Gasoline	5030	0.05	4.1	mg/L
METHOD 8020 (GC, Liquid)	8020		--	
DATE ANALYZED	8020		10/31/91	
DILUTION FACTOR*	8020		10	
Benzene	8020	0.5	67	ug/L
Ethylbenzene	8020	0.5	23	ug/L
Toluene	8020	0.5	9.6	ug/L
Xylenes (Total)	8020	0.5	16	ug/L
METHOD 3510 (GC, FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	0.65	mg/L
as Motor Oil	3510	0.5	ND	mg/L



Client Acct: 35340
 Client Name: Converse Consultants
 NET Log No: 91.0187

Date: 11/05/1991
 Page: 7

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Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-6
 Date Taken: 10/22/1991
 Time Taken: 12:15
 LAB Job No: (-102797)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	1.0	mg/L
as Motor Oil	3510	0.5	ND	mg/L



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Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-7
 Date Taken: 10/22/1991
 Time Taken: 12:45
 LAB Job No: (-102798)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



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Client Acct: 35340
Client Name: Converse Consultants
NET Log No: 91.0187

Date: 11/05/1991
Page: 9

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-10
Date Taken: 10/22/1991
Time Taken: 12:00
LAB Job No: (-102799)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



Client Acct: 35340
 Client Name: Converse Consultants
 NET Log No: 91.0187

Date: 11/05/1991
 Page: 10

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Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: Field Blank
 Date Taken: 10/22/1991
 Time Taken: 09:45
 LAB Job No: (-102800)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



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Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: Trip Blank
 Date Taken: 10/22/1991
 Time Taken:
 LAB Job No: (-102801)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



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Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: 911022
 Date Taken: 10/22/1991
 Time Taken: 11:25
 LAB Job No: (-102802)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)			--	
METHOD 5030 (GC,FID)			10-30-91	
DATE ANALYZED			10	
DILUTION FACTOR*			10	
as Gasoline	5030	0.05	9.7	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		10	
Benzene	8020	0.5	200	ug/L
Ethylbenzene	8020	0.5	200	ug/L
Toluene	8020	0.5	11	ug/L
Xylenes (Total)	8020	0.5	160	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			10	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	4.8	mg/L
as Motor Oil	3510	0.5	ND	mg/L



Client Acct: 35340
 Client Name: Converse Consultants
 NET Log No: 91.0187

Date: 11/05/1991
 Page: 13

NET Pacific, Inc

Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-4
 Date Taken: 10/21/1991
 Time Taken: 15:10
 LAB Job No: (-102803)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			10	
as Gasoline	5030	0.05	4.0	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		10	
Benzene	8020	0.5	140	ug/L
Ethylbenzene	8020	0.5	9.7	ug/L
Toluene	8020	0.5	14	ug/L
Xylenes (Total)	8020	0.5	16	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	1.5	mg/L
as Motor Oil	3510	0.5	ND	mg/L



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Ref: SHELL, 630 High St., Project: 88-44-369-20

SAMPLE DESCRIPTION: MW-8
 Date Taken: 10/21/1991
 Time Taken: 14:25
 LAB Job No: (-102804)

Parameter	Method	Reporting Limit	Results	Units
GC Ext. (Liquid,3510)	3510		10-29-91	
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			10-30-91	
DILUTION FACTOR*			1	
as Gasoline	5030	0.05	ND	mg/L
METHOD 8020 (GC,Liquid)	8020		--	
DATE ANALYZED	8020		10-30-91	
DILUTION FACTOR*	8020		1	
Benzene	8020	0.5	ND	ug/L
Ethylbenzene	8020	0.5	ND	ug/L
Toluene	8020	0.5	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			10-29-91	
DATE ANALYZED			11-01-91	
as Diesel	3510	0.05	ND	mg/L
as Motor Oil	3510	0.5	ND	mg/L



NET Pacific, Inc

Ref: SHELL, 630 High St., Project: 88-44-369-20

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verif Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	0.05	mg/L	86	ND	91	86	3.6
Motor Oil	0.5	mg/L	81	ND	N/A	N/A	N/A
Gasoline	0.05	mg/L	108	ND	121	114	6.0
Benzene	0.5	ug/L	105	ND	114	112	2.0
Toluene	0.5	ug/L	94	ND	107	106	1.0

COMMENT: Blank Results were ND on other analytes tested.



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KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.



CHAIN OF CUSTODY RECORD

1 of 2

wic #204-5508-5801

PM. RMB

1468

PROJECT NO.: 88-44-369-20				PROJECT NAME / CROSS STREET: 630 High ST. OAKLAND, CA.				NUMBER OF CONTAINERS	ANALYSES				REMARKS
SAMPLERS: (Signature) Carol Morrison									TPH-Gas	Btex	TPH-Diesel	TPH-MO	
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION								
MW-1	10-22-91	1115			40 ml VOA			3	XX				Standard T.A.T 10 day TAT OK per Lab Breuer to Nara 10/23/91
MW-1		1115			1 amber			2		XX			
MW-2		1045			40 ml VOA			3	XX				Detection Limits (ppm) Btex: 0.0005 TPH-Gas: 0.05 TPH-Diesel: 0.05 TPH-MO: 0.5
MW-2		1045			1 amber			2		XX			
MW-3		1030			40 ml VOA			3	XX				CUSTODY SEALED 10/22/91 19:30 J.W.
MW-3		1030			1 amber			2		XX			
MW-4		1100			40 ml VOA			3	XX				CUSTODY SEALED 10/22/91 19:30 J.W.
MW-4		1100			1 amber			2		XX			
MW-5		1000			40 ml VOA			3	XX				CUSTODY SEALED 10/22/91 19:30 J.W.
MW-5		1000			1 amber			2		XX			
MW-6		1216			40 ml VOA			3	XX				CUSTODY SEALED 10/22/91 19:30 J.W.
MW-6		1215			1 amber			2		XX			

RELINQUISHED BY: (Signature) Carol Morrison	DATE: 10/22/91 TIME: 1350	RECEIVED BY: (Signature) [Signature]	RELINQUISHED BY: (Signature)	DATE: 10/22/91 TIME: 19:30	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) [Signature]	DATE: 10/22/91 TIME: 15:35	RECEIVED BY: (Signature) Jeff White	RELINQUISHED BY: (Signature) Jeff White	DATE: 10/22/91 TIME: 19:30	RECEIVED BY: (Signature)
RELINQUISHED BY COURIER: (Sign.)	DATE: TIME:	RECEIVED BY MOBILE LAB: (Sign.)	RELINQ. BY MOBILE LAB: (Signature)	DATE: TIME:	RECEIVED BY COURIER: (Signature)
METHOD OF SHIPMENT (west)	SHIPPED BY: (Signature)	RECEIVED FOR LAB: (Signature) [Signature]	DATE: 10/23/91 TIME: 0700	COURIER FROM AIRPORT: (Signature)	



2062
CHAIN OF CUSTODY RECORD

WIC#: 204-5508-5801

pm: RMB

1068

PROJECT NO.:				PROJECT NAME / CROSS STREET:				NUMBER OF CONTAINERS	ANALYSES				REMARKS				
88-44-369-20				630 High ST OAKLAND, CA.					TPH-Gas	BTEX	TPH-Diesel	TPH-MO					
SAMPLERS: (Signature)																	
Carol Morrison																	
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION												
MW-7	10-22-91	1245			40 ml VOA	3	XX					Standard T.A.T					
MW-7		1245			1 amber	2			XX			Detection limits: Same as page 1					
MW-10		1200			40 ml VOA	3	XX										
MW-10		1200			1 amber	2			XX								
Field Blank		945			40 ml VOA	1	XX										
Field Blank		945			1 amber	1			XX								
TRIP Blank	10/21-22/91				40 ml VOA	1	XX										
TRIP Blank	10/21-22/91				1 amber	1			XX								
911022	10-22-91	1125			40 ml VOA	3	XX										
911022	10-22-91	1125			1 amber	2			XX								
RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)				RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)			
Carol Morrison				10/22/91	Jeff White												
				TIME:									TIME:				
				1350													
RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)				RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)			
Jeff White				10/22/91	Jeff White				Jeff White				10/22				
				TIME:									TIME:				
				15:35									19:30				
RELINQUISHED BY COURIER: (Sign.)				DATE:	RECEIVED BY MOBILE LAB: (Sign.)				RELINQ. BY MOBILE LAB: (Signature)				DATE:	RECEIVED BY COURIER: (Signature)			
				TIME:									TIME:				
METHOD OF SHIPMENT				SHIPPED BY: (Signature)				RECEIVED FOR LAB: (Signature)				DATE:	COURIER FROM AIRPORT: (Signature)				
(WCS)				Kangon				Kangon				10/23/91					
												TIME:					
												0800					



CHAIN OF CUSTODY RECORD

WIC# : 204-5508-580

PM, RMB

(1048)

PROJECT NO.:		PROJECT NAME / CROSS STREET:		NUMBER OF CONTAINERS	ANALYSES				REMARKS	
88-44-369-20		630 High ST OAKLAND			TPH-Gas	BTEX	TPH-Diesel	TPH-MO		
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION					
MW-4	10-24-91	1510			40 ml VOA	3	X	X		Standard T.A.T.
MW-4	10-24-91	1510			1 l amber	2			XX	
MW-8		1425			40 ml VOA	4	X	X		
MW-8	10-24-91	1425			1 l amber	3			XX	Detection Limits: (ppm) Btex : 6.0005 TPH-Gas : 0.05 TPH-Diesel : 0.05 TPM-MO : 0.5
RELINQUISHED BY : (Signature)		DATE:	RECEIVED BY : (Signature)	RELINQUISHED BY : (Signature)	DATE:	RECEIVED BY : (Signature)	DATE:	RECEIVED BY : (Signature)	DATE:	RECEIVED BY : (Signature)
<i>Carol Norwood</i>		10/22/91	<i>Jeff Smith</i>	<i>Jeff Smith</i>	10/22	<i>Jeff Smith</i>	19:30			
RELINQUISHED BY : (Signature)		DATE:	RECEIVED BY : (Signature)	RELINQUISHED BY : (Signature)	DATE:	RECEIVED BY : (Signature)	DATE:	RECEIVED BY : (Signature)	DATE:	RECEIVED BY : (Signature)
		TIME:			TIME:		TIME:		TIME:	
RELINQUISHED BY COURIER: (Sign.)		DATE:	RECEIVED BY MOBILE LAB : (Sign.)	RELINQ. BY MOBILE LAB : (Signature)	DATE:	RECEIVED BY COURIER : (Signature)	DATE:	RECEIVED BY COURIER : (Signature)	DATE:	RECEIVED BY COURIER : (Signature)
		TIME:			TIME:		TIME:		TIME:	
METHOD OF SHIPMENT		SHIPPED BY : (Signature)		RECEIVED FOR LAB : (Signature)		DATE:		COURIER FROM AIRPORT : (Signature)		
WCS		<i>[Signature]</i>		<i>[Signature]</i>		10/21/91		<i>[Signature]</i>		
						TIME: 0800				



CHAIN OF CUSTODY RECORD

1062

with 204-5508-5801

PM. RM113

PROJECT NO.: 8-44 369-20				PROJECT NAME / CROSS STREET: 630 High St.		NUMBER OF CONTAINERS	ANALYSES				REMARKS
SAMPLERS: (Signature) Carol Morrison				OAKLAND, CA.			TPH-GAS	15PCA	TPH-Diesel	TPH-170	
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION						
MW-1	10/22/91	1115			40 ml VOA	3	XX			Standard - T.H.T	
MW-1		1115			1 l amber	2		XX			
MW-2		1045			40 ml VOA	3	XX				
MW-2		1045			1 l amber	2		XX		Detection limit (ppm)	
MW-3		1030			40 ml VOA	3	XX			Btex: 0.0005	
MW-3		1030			1 l amber	2		XX		TPH-Gas: 0.05	
MW-4		1100			40 ml VOA	3	XX			TPH Diesel: 0.05	
MW-4		1100			1 l amber	2		XX		TPH-170: 0.5	
MW-5		1000			40 ml VOA	3	XX				
MW-5		1000			1 l amber	2		XX			
MW-6		1215			40 ml VOA	3	XX				
MW-6		1215			1 l amber	2		XX			

RELINQUISHED BY: (Signature) Carol Morrison	DATE: 10/22/91 TIME: 13:50	RECEIVED BY: (Signature) [Signature]	RELINQUISHED BY: (Signature)	DATE:	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) [Signature]	DATE: 10/22/91 TIME: 15:35	RECEIVED BY: (Signature) [Signature]	RELINQUISHED BY: (Signature)	DATE:	RECEIVED BY: (Signature)
RELINQUISHED BY COURIER: (Sign.)	DATE:	RECEIVED BY MOBILE LAB: (Sign.)	RELINQ. BY MOBILE LAB: (Signature)	DATE:	RECEIVED BY COURIER: (Signature)
METHOD OF SHIPMENT		SHIPPED BY: (Signature)	RECEIVED FOR LAB: (Signature)	DATE:	COURIER FROM AIRPORT: (Signature)
				TIME:	



CONVERSE ENVIRONMENTAL WEST

CHAIN OF CUSTODY RECORD

2062

WIC# : 204-5508-5801

pm: RMB

PROJECT NO.:				PROJECT NAME / CROSS STREET:				NUMBER OF CONTAINERS	ANALYSES				REMARKS		
SAMPLERS: (Signature)									TPH - Gas	BTEX	TPH - Diesel	TPH - MD			
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION										
MW-7	10.22	1245			40 ml VOA	3	XX					Standard T.H.I			
MW-7		1245			1 Lamber	2			XX						
MW-10		1200			40 ml VOA	3	XX					Detection limits:			
MW-10		1200			1 Lamber	2			XX			Same as page 1			
Field Blank		945			40 ml VOA	1	XX								
Field Blank		945			1 Lamber	1			XX						
TRIP Blank	10/21	22/9			40 ml VOA	1	XX								
TRIP Blank	10/21	22/9			1 Lamber	1			XX						
7:1022	10.22	1125			40 ml VOA	3	XX								
7:1022	10.22	1125			1 Lamber	2			XX						
RELINQUISHED BY: (Signature)				DATE: 10/22/91	RECEIVED BY: (Signature)				RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)	
Carol Morrison				TIME: 13:50	[Signature]								TIME:		
RELINQUISHED BY: (Signature)				DATE: 10/22/91	RECEIVED BY: (Signature)				RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)	
[Signature]				TIME: 15:35	Jeff A. [Signature]								TIME:		
RELINQUISHED BY COURIER: (Sign.)				DATE:	RECEIVED BY MOBILE LAB: (Sign.)				RELINQ. BY MOBILE LAB: (Signature)				DATE:	RECEIVED BY COURIER: (Signature)	
				TIME:									TIME:		
METHOD OF SHIPMENT				SHIPPED BY: (Signature)				RECEIVED FOR LAB: (Signature)				DATE:	COURIER FROM AIRPORT: (Signature)		
												TIME:			



CONVERSE ENVIRONMENTAL **WEST**

CHAIN OF CUSTODY RECORD

LOT # : 204 - 256107 - 580

PH: R115

PROJECT NO. : 11-369-20				PROJECT NAME / CROSS STREET : 630 High St				NUMBER OF CONTAINERS	ANALYSES				REMARKS		
SAMPLERS (Signature) : <i>Michael Mars</i>				CITY : OAKLAND					TPH-GAS	BTEX	TPH-Diesel	TPH-mo			
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	TPH-GAS	BTEX							TPH-Diesel	TPH-mo
11W-4	10-21-91				40 ml VOA	3	X	X				Standard TAT.			
11W-4	10-21-91				1 l amber	2			XX						
11W-8	10-21-91				10 ml VOA	4	XX								
11W-8	10-21-91				1 l amber	3			XX			Detection Limits: (ppm)			
												BTEX : 0.0005			
												TPH Gas : 0.05			
												TPH Diesel : 0.05			
												TPH-mo : 0.5			
RELINQUISHED BY : (Signature) <i>Carol Morrow</i>				DATE : 10/22/91				RECEIVED BY : (Signature) <i>Jeff ...</i>				DATE :		RECEIVED BY : (Signature)	
				TIME : 15:35								TIME :			
RELINQUISHED BY : (Signature)				DATE :				RECEIVED BY : (Signature)				DATE :		RECEIVED BY : (Signature)	
				TIME :								TIME :			
RELINQUISHED BY COURIER : (Sign.)				DATE :				RECEIVED BY MOBILE LAB : (Sign.)				DATE :		RECEIVED BY COURIER : (Signature)	
				TIME :								TIME :			
METHOD OF SHIPMENT				SHIPPED BY : (Signature)				RECEIVED FOR LAB : (Signature)				DATE :		COURIER FROM AIRPORT : (Signature)	
												TIME :			