SDMS DOCID # 1149977

California Regional Water Quality Control Board
Los Angeles Region

Winston H. Hickox
Secretary for Environmental Protection

320 W. 4th Street, Suite 200, Los Angeles, CA 90013
Phone (213) 576-6600 FAX (213) 576-6640

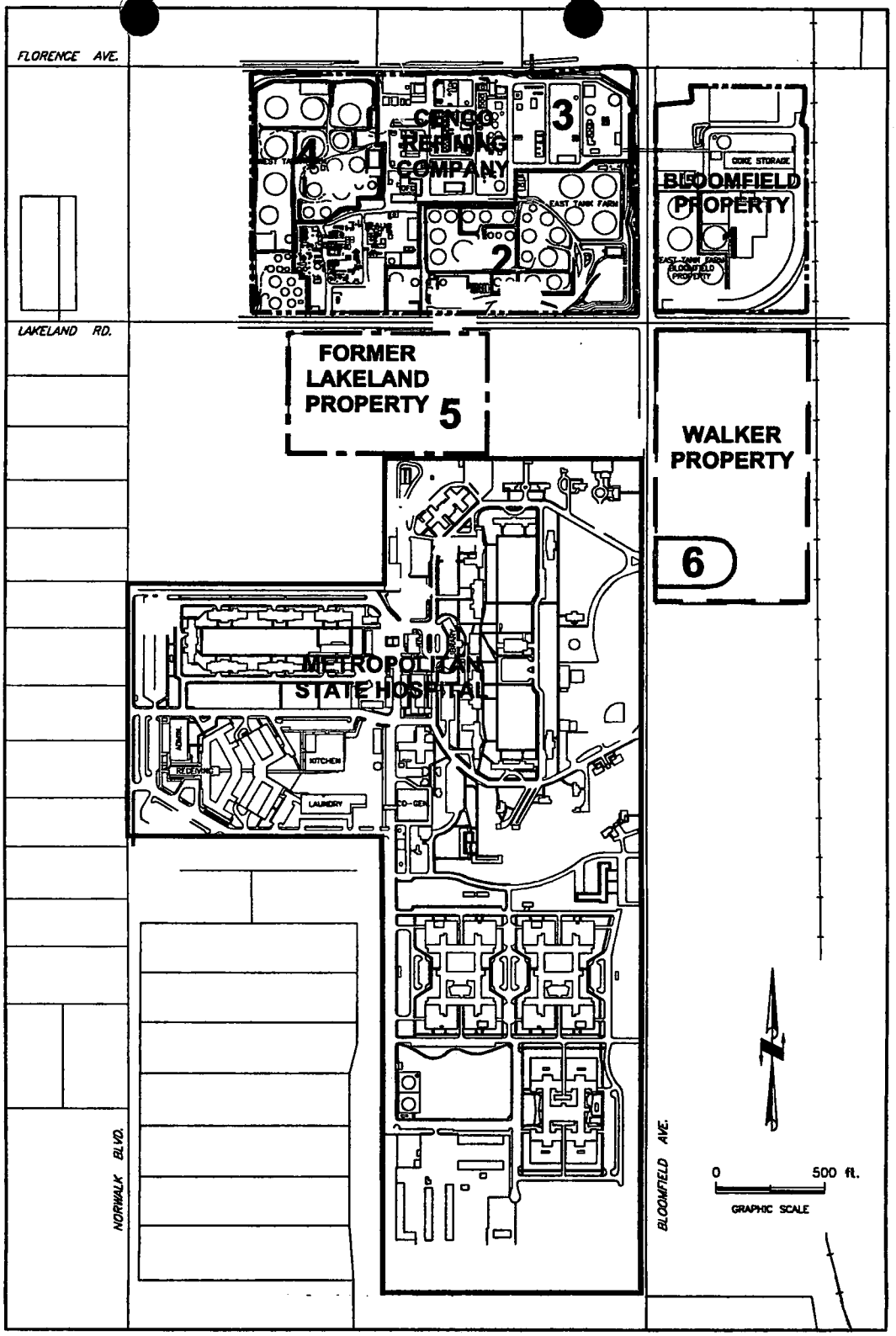
Gray Davis
Governor

SITE STATUS SUMMARY AS OF MARCH 2, 2001

CENCO Refining Company (SLIC NO.318A; PCA NO.18453)
Formerly Powerine Oil Company
12345 Lakeland Road, Santa Fe Springs, CA

Pursuant to Cleanup and Abatement Order (CAO) 97-118 issued by the California Water Quality Control Board (RWQCB) – Los Angeles, Powerine Oil Company (now Cenco Refining Company) is required to address the petroleum hydrocarbons and associated constituents in soil and groundwater. A "Revised Master Work Plan" dated January 28, 2000, was submitted to presenting their strategy to comply with CAO 97-118. The "Revised Master Work Plan" includes a framework for future investigations and remediation activities, additional investigation to characterize subsurface conditions, development of an approach to evaluate the risk to human health and environment, and development of a remedial strategy for soil and groundwater. In the context of the Revised Master Work Plan, the RWQCB approved on October 11, 2000, the Supplemental Soil Investigation and Feasibility Study Work Plans dated July 28, 2000 and August 1, 2000. The purpose of the investigation and work plan was to further characterize site conditions and to develop a remedial strategy to protect the groundwater resource, human health, and the environment.

Information pertaining to the groundwater flow direction, groundwater elevation, contaminant isoconcentrations, free-product thickness, and dissolved phase concentrations are depicted in the attachments.



LEGEND

OPERATIONAL AREAS

1. BLOOMFIELD PROPERTY
2. EAST TANK FARM AREA
3. PROCESSING AREA
4. WEST TANK FARM AREA
5. FORMER LAKELAND PROPERTY
6. FORMER AST AREA – WALKER PROPERTY

CENCO PROPERTY BOUNDARY

WALKER PROPERTY BOUNDARY

FORMER LAKELAND PROPERTY

METROPOLITAN STATE HOSPITAL

Versar INC. 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	VERSAR JOB NO.: 3917-1 DRAWN / APPROVED: DRT / SRT FILE: P/CENCO/3917-015/CAD/011700F1.DWG	**SITE LOCATION MAP** CENCO REFINING COMPANY SANTA FE SPRINGS, CALIFORNIA	**FIGURE 1**

FX-9 Wells

FX-9 Wells

FX-9 Wells

FX-9 Wells

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-101	Jun-88	134.98	88.66	ND	46.32	–
	Sep-88	134.98	89.29	ND	45.69	–
	Dec-88	134.98	90.10	ND	44.88	–
	Mar-89	134.98	90.28	ND	44.70	–
	Dec-89	134.98	90.29	ND	44.69	–
	Mar-91	134.98	91.09	ND	43.89	–
	Jun-91	134.98	90.24	ND	44.74	–
	Dec-91	135.23	90.40	ND	44.83	–
	Mar-92	135.23	89.87	ND	45.36	–
	Jun-92	135.23	88.47	ND	46.76	–
	Sep-92	135.23	88.60	ND	46.63	–
	Dec-92	135.23	88.69	ND	46.54	–
	Mar-93	135.23	87.35	ND	47.88	–
	Sep-93	135.23	82.34	82.33	52.90	0.01
	Nov-93	135.23	80.83	80.82	54.41	0.01
	Mar-94	135.23	78.10	78.08	57.15	0.02
	Jun-94	135.23	76.38	76.37	58.86	0.01
	Sep-94	135.23	76.64	76.63	58.60	0.01
	Dec-94	135.23	77.57	ND	57.66	–
	Mar-95	135.23	77.46	ND	57.77	–
	Sep-95	135.23	74.75	ND	60.48	–
	Dec-95	135.23	75.15	ND	60.08	–
	Jul-96	135.23	74.55	ND	60.68	–
	Dec-96	135.23	75.61	ND	59.62	–
	Jan-98	135.23	74.72	ND	60.51	–
	Aug-98	135.23	73.45	ND	61.78	–
	Jan-99	135.23	74.03	ND	61.20	–
	Jul-99	135.23	75.53	ND	59.70	–
	Jan-00	135.23	79.40	ND	55.83	–
	Jul-00	135.23	81.20	ND	54.03	–
MW-103	Jun-88	136.95	93.36	ND	43.59	–
	Sep-88	136.95	93.82	ND	43.13	–
	Dec-88	136.95	94.76	ND	42.19	–
	Mar-89	136.95	95.68	ND	41.27	–
	Jun-89	136.95	95.92	ND	41.03	–
	Sep-89	136.95	96.20	ND	40.75	–
	Dec-89	136.95	96.90	ND	40.05	–
	Mar-91	136.95	96.51	ND	40.44	–
	Jun-91	136.95	96.08	ND	40.87	–
	Sep-91	136.95	95.92	ND	41.03	–
	Dec-91	136.95	95.91	ND	41.04	–
	Mar-92	136.95	95.06	ND	41.89	–
	Jun-92	136.95	93.90	ND	43.05	–
	Sep-92	136.95	93.73	ND	43.22	–
	Dec-92	136.95	93.99	ND	42.96	–
	Mar-93	136.95	93.15	ND	43.80	–
	May-93	136.95	90.90	ND	46.05	–
	Sep-93	136.95	88.67	ND	48.28	–
	Nov-93	136.95	87.24	ND	49.71	–
	Mar-94	136.95	84.86	84.85	52.10	0.01
	Jun-94	136.95	83.15	83.14	53.81	0.01
	Sep-94	136.95	82.70	82.69	54.26	0.01
	Dec-94	136.95	83.17	ND	53.78	–
	Mar-95	136.95	82.65	ND	54.30	–
	Sep-95	136.95	81.03	ND	55.92	–
	Dec-95	136.95	81.21	ND	55.74	–
	Jul-96	136.95	80.41	ND	56.54	–
	Dec-96	136.95	81.24	ND	55.71	–
	Jan-98	136.95	80.55	ND	56.40	–
	Aug-98	136.95	79.51	ND	57.44	–
	Jan-99	136.95	79.88	ND	57.07	–
	Jul-99	136.95	80.74	ND	56.21	–
	Jan-00	136.95	83.70	ND	53.25	–
	Jul-00	136.95	85.80	ND	51.15	–

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-104 (ABANDONED)	Jun-88	141.60	87.95	ND	53.65	-
	Sep-88	141.60	88.25	ND	53.35	-
	Dec-88	141.60	88.67	ND	52.93	-
	Mar-89	141.60	89.15	ND	52.45	-
	Jun-89	141.60	89.57	ND	52.03	-
	Sep-89	141.60	89.90	ND	51.70	-
	Dec-89	141.60	90.17	ND	51.43	-
	Mar-90	141.60	90.62	ND	50.98	-
	Jun-90	141.60	90.82	ND	50.78	-
	Sep-90	141.60	90.96	ND	50.64	-
	Dec-90	141.60	91.13	ND	50.47	-
	Mar-91	141.60	91.12	ND	50.48	-
	Jun-91	141.60	91.02	ND	50.58	-
	Sep-91	141.60	90.76	ND	50.84	-
	Dec-91	141.60	90.63	ND	50.97	-
	Mar-92	141.60	90.45	ND	51.15	-
	Jun-92	141.60	89.90	ND	51.70	-
	Sep-92	141.60	89.33	ND	52.27	-
	Dec-92	141.60	89.10	ND	52.50	-
	Mar-93	141.60	88.71	ND	52.89	-
	May-93	141.60	87.55	ND	54.05	-
	Sep-93	141.60	86.15	ND	55.45	-
	Nov-93	141.60	84.05	ND	57.55	-
	Mar-94	141.60	82.33	ND	59.27	-
	Jun-94	141.60	80.55	ND	61.05	-
	Sep-94	141.60	79.37	79.36	62.24	0.01
	Dec-94	141.60	79.50	ND	62.10	-
	Mar-95	141.60	79.32	ND	62.28	-
	Sep-95	141.60	77.26	ND	64.34	-
	Dec-95	141.60	77.21	ND	64.39	-
	Jul-96	141.60	76.75	ND	64.85	-
	Dec-96	141.60	77.38	ND	64.22	-
	Jan-98	141.60	75.58	ND	66.02	-
	Aug-98	141.60	75.58	ND	66.02	-
	Jan-99	141.60	75.91	ND	65.69	-
MW-104A	Jul-99	141.16	76.32	ND	64.84	-
	Jan-00	141.16	78.86	ND	62.30	-
	Jul-00	141.16	81.50	ND	59.66	-
MW-105	Jul-96	138.63	73.85	ND	64.78	-
	Dec-96	138.63	75.12	ND	63.51	-
	Jan-98	138.63	74.13	ND	64.50	-
	Aug-98	138.63	72.66	ND	65.97	-
	Jan-99	138.63	73.15	ND	65.48	-
	Jul-99	138.63	74.95	ND	63.68	-
	Jan-00	138.63	78.91	ND	59.72	-
	Jul-00	138.63	80.72	ND	57.91	-
MW-106	Jul-96	148.41	81.86	ND	66.55	-
	Dec-96	148.41	82.05	ND	66.36	-
	Jan-98	148.41	81.29	ND	67.12	-
	Aug-98	148.41	80.47	ND	67.94	-
	Jan-99	148.41	80.48	ND	67.93	-
	Jul-99	148.41	80.92	ND	67.49	-
	Jan-00	148.41	82.65	ND	65.76	-
	Jul-00	148.41	85.18	ND	63.23	-
MW-107	Jul-96	148.93	89.92	ND	59.01	-
	Dec-96	148.93	89.85	ND	59.08	-
	Jan-98	148.93	88.99	ND	59.94	-
	Aug-98	148.93	88.05	ND	60.88	-
	Jan-99	148.93	88.14	ND	60.79	-
	Jul-99	148.93	88.45	ND	60.48	-
	Jan-00	148.93	90.00	ND	58.93	-
	Jul-00	148.93	91.90	ND	57.03	-

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CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-201	Jun-88	132.91	90.05	ND	42.86	–
	Sep-88	132.91	90.77	ND	42.14	–
	Dec-88	132.91	92.24	ND	40.67	–
	Mar-89	132.91	92.84	ND	40.07	–
	Jun-89	132.91	93.00	ND	39.91	–
	Sep-89	132.91	93.60	ND	39.31	–
	Dec-89	132.91	94.51	ND	38.40	–
	Mar-90	132.91	94.91	ND	38.00	–
	Jun-90	132.91	94.48	ND	38.43	–
	Sep-90	132.91	94.85	ND	38.06	–
	Dec-90	132.91	95.43	ND	37.48	–
	Mar-91	132.91	93.88	ND	39.03	–
	Jun-91	132.91	93.05	ND	39.86	–
	Sep-91	132.91	93.57	ND	39.34	–
	Dec-91	132.91	92.90	ND	40.01	–
	Mar-92	132.91	91.30	ND	41.61	–
	Jun-92	132.91	90.10	ND	42.81	–
	Sep-92	132.91	90.40	ND	42.51	–
	Dec-92	132.91	90.29	ND	42.62	–
	Mar-93	132.91	88.84	ND	44.07	–
	May-93	132.91	86.33	ND	46.58	–
	Sep-93	132.91	84.47	84.45	48.46	0.02
	Dec-93	132.91	82.75	82.74	50.17	0.01
	Mar-94	132.91	79.76	79.75	53.16	0.01
	Jun-94	132.91	78.06	78.05	54.86	0.01
	Sep-94	132.91	78.46	78.45	54.46	0.01
	Dec-94	132.91	79.10	ND	53.81	–
	Mar-95	132.91	77.87	ND	55.04	–
	Sep-95	132.91	76.53	ND	56.38	–
	Dec-95	132.91	76.79	ND	56.12	–
	Jul-96	132.91	76.00	ND	56.91	–
	Dec-96	132.91	76.93	ND	55.98	–
	Jan-98	132.91	76.02	ND	56.89	–
	Aug-98	132.91	75.01	ND	57.90	–
	Jan-99	132.91	75.36	ND	57.55	–
	Jul-99	132.91	76.88	ND	56.03	–
	Jan-00	132.91	79.50	ND	53.41	–
	Jul-00	132.91	82.44	ND	50.47	–
MW-202	Jun-88	137.89	DRY	ND	ND	–
	Sep-88	137.89	DRY	ND	ND	–
	Dec-88	137.89	DRY	ND	ND	–
	Mar-89	137.89	DRY	ND	ND	–
	Jun-89	137.89	DRY	ND	ND	–
	Sep-89	137.89	DRY	ND	ND	–
	Dec-89	137.89	DRY	ND	ND	–
	Mar-90	137.89	DRY	ND	ND	–
	Sep-90	137.89	DRY	ND	ND	–
	Dec-90	137.89	DRY	ND	ND	–
	Mar-91	137.89	DRY	ND	ND	–
	Jun-91	137.89	DRY	ND	ND	–
	Sep-91	137.89	DRY	ND	ND	–
	Dec-91	137.89	DRY	ND	ND	–
	Mar-92	137.89	DRY	ND	ND	–
	Jun-92	137.89	DRY	ND	ND	–
	Sep-92	137.89	DRY	ND	ND	–
	Dec-92	137.89	DRY	ND	ND	–
	Mar-93	137.89	DRY	ND	ND	–
	May-93	137.89	DRY	ND	ND	–
	Sep-93	137.89	89.36	89.35	48.54	0.01
	Nov-93	137.89	87.85	ND	50.04	–
	Mar-94	137.89	85.36	85.35	52.54	0.01
	Jun-94	137.89	83.53	83.52	54.37	0.01
	Sep-94	137.89	83.32	83.31	54.58	0.01
	Dec-94	137.89	83.88	83.87	54.02	0.01

For Notes and explanations see page 11

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-202 (cont.)	Mar-95	137.89	83.10	ND	54.79	--
	Sep-95	137.89	81.44	ND	56.45	--
	Dec-95	137.89	81.71	ND	56.18	--
	Jul-96	137.89	80.90	ND	56.99	--
	Dec-96	137.89	81.78	ND	56.11	--
	Jan-98	137.89	81.00	ND	56.89	--
	Aug-98	137.89	79.93	ND	57.96	--
	Jan-99	137.89	83.35	ND	54.54	--
	Jul-99	137.89	81.37	ND	56.52	--
	Jan-00	137.89	84.70	ND	53.19	--
	Jul-00	137.89	86.78	ND	51.11	--
MW-203	Jun-88	143.89	95.98	ND	47.91	--
	Sep-88	143.89	96.30	ND	47.59	--
	Dec-88	143.89	96.76	ND	47.13	--
	Mar-89	143.89	97.15	ND	46.74	--
	Jun-89	143.89	97.50	ND	46.39	--
	Sep-89	143.89	97.85	ND	46.04	--
	Dec-89	143.89	98.19	ND	45.70	--
	Mar-90	143.89	98.72	ND	45.17	--
	Sep-90	143.89	99.09	ND	44.80	--
	Dec-90	143.89	99.55	ND	44.34	--
	Mar-91	143.89	99.23	ND	44.66	--
	Jun-91	143.89	99.19	ND	44.70	--
	Sep-91	143.89	98.93	ND	44.96	--
	Dec-91	143.89	98.84	ND	45.05	--
	Mar-92	143.89	98.39	ND	45.50	--
	Jun-92	143.89	97.76	ND	46.13	--
	Sep-92	143.89	97.47	ND	46.42	--
	Dec-92	143.89	97.50	ND	46.39	--
	Mar-93	143.89	97.13	ND	46.76	--
	May-93	143.89	96.14	ND	47.75	--
	Sep-93	143.89	95.81	ND	48.08	--
	Nov-93	143.89	93.84	93.83	50.06	0.01
	Mar-94	143.89	92.27	92.25	51.64	0.02
	Jun-94	143.89	90.68	90.67	53.22	0.01
	Sep-94	143.89	89.61	89.60	54.29	0.01
	Dec-94	143.89	89.41	ND	54.48	--
	Mar-95	143.89	89.03	ND	54.86	--
	Sep-95	143.89	87.47	ND	56.42	--
	Dec-95	143.89	87.38	ND	56.51	--
	Jul-96	143.89	86.53	ND	57.36	--
	Dec-96	143.89	87.03	ND	56.86	--
	Jan-98	143.89	86.39	ND	57.50	--
	Aug-98	143.89	85.38	ND	58.51	--
	Jan-99	143.89	85.72	ND	58.17	--
	Jul-99	143.89	86.30	ND	57.59	--
	Jan-00	143.89	88.54	ND	55.35	--
	Jul-00	143.89	90.60	ND	53.29	--
MW-204	Jun-88	140.14	94.95	ND	45.19	--
	Sep-88	140.14	95.43	ND	44.71	--
	Dec-88	140.14	96.57	ND	43.57	--
	Mar-89	140.14	97.53	ND	42.61	--
	Jun-89	140.14	97.68	ND	42.46	--
	Sep-89	140.14	98.00	ND	42.14	--
	Dec-89	140.14	98.70	ND	41.44	--
	Mar-90	140.14	99.19	ND	40.95	--
	Jun-90	140.14	98.95	ND	41.19	--
	Sep-90	140.14	99.08	ND	41.06	--
	Dec-90	140.14	99.50	ND	40.64	--
	Mar-91	140.14	98.61	ND	41.53	--
	Jun-91	140.14	97.85	ND	42.29	--
	Sep-91	140.14	97.59	ND	42.55	--
	Dec-91	140.14	97.50	ND	42.64	--
	Mar-92	140.14	96.45	ND	43.69	--

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CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-204 (cont.)	Jun-92	140.14	95.07	ND	45.07	–
	Sep-92	140.14	94.91	ND	45.23	–
	Dec-92	140.14	95.08	ND	45.06	–
	Mar-93	140.14	94.03	ND	46.11	–
	May-93	140.14	91.83	ND	48.31	–
	Sep-93	140.14	89.56	89.55	50.59	0.01
	Nov-93	140.14	88.10	88.09	52.05	0.01
	Mar-94	140.14	85.90	85.89	54.25	0.01
	Jun-94	140.14	84.09	ND	56.05	–
	Sep-94	140.14	83.71	83.70	56.44	0.01
	Dec-94	140.14	84.31	ND	55.83	–
	Mar-95	140.14	83.76	ND	56.38	–
	Sep-95	140.14	81.98	ND	58.16	–
	Dec-95	140.14	82.23	ND	57.91	–
	Jul-96	140.14	81.50	ND	58.64	–
	Dec-96	140.14	82.42	ND	57.72	–
	Jan-98	140.14	81.69	ND	58.45	–
	Aug-98	140.14	80.57	ND	59.57	–
	Jan-99	140.14	80.95	ND	59.19	–
	Jul-99	140.14	81.93	ND	58.21	–
	Jan-00	140.14	84.80	ND	55.34	–
	Jul-00	140.14	87.17	ND	52.97	–
MW-205	Jun-88	138.17	90.15	ND	48.02	–
	Sep-88	138.17	90.67	ND	47.50	–
	Dec-88	138.17	91.92	ND	46.25	–
	Mar-89	138.17	92.88	ND	45.29	–
	Jun-89	138.17	92.80	ND	45.37	–
	Sep-89	138.17	93.20	ND	44.97	–
	Dec-89	138.17	94.05	ND	44.12	–
	Mar-90	138.17	94.20	ND	43.97	–
	Jun-90	138.17	94.12	ND	44.05	–
	Sep-90	138.17	93.85	ND	44.32	–
	Dec-90	138.17	94.80	ND	43.37	–
	Mar-91	138.17	93.49	ND	44.68	–
	Jun-91	138.17	92.64	ND	45.53	–
	Sep-91	138.17	92.45	ND	45.72	–
	Dec-91	138.04	92.65	ND	45.39	–
	Mar-92	138.04	90.92	ND	47.12	–
	Jun-92	138.04	89.59	ND	48.45	–
	Sep-92	138.04	89.61	ND	48.43	–
	Dec-92	138.04	89.65	ND	48.39	–
	Mar-93	138.04	88.60	ND	49.44	–
	May-93	138.04	85.92	ND	52.12	–
	Sep-93	138.04	83.56	83.55	54.49	0.01
	Nov-93	138.04	82.00	ND	56.04	–
	Mar-94	138.04	79.55	79.54	58.50	0.01
	Jun-94	138.04	77.75	77.74	60.30	0.01
	Sep-94	138.04	77.80	77.79	60.25	0.01
	Dec-94	138.04	78.76	ND	59.28	–
	Mar-95	138.04	77.80	ND	60.24	–
	Sep-95	138.04	75.91	ND	62.13	–
	Dec-95	138.04	76.28	ND	61.76	–
	Jul-96	138.04	75.74	ND	62.30	–
	Dec-96	138.04	76.09	ND	61.95	–
	Jan-98	138.04	75.26	ND	62.78	–
	Aug-98	138.04	73.96	ND	64.08	–
	Jan-99	138.04	74.59	ND	63.45	–
	Jul-99	138.04	75.95	ND	62.09	–
	Jan-00	138.04	79.45	ND	58.59	–
	Jul-00	138.04	81.60	ND	56.44	–

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-206 (ABANDONED)	Jun-88	129.93	92.37	ND	37.56	–
	Sep-88	129.93	93.37	ND	36.56	–
	Dec-88	129.93	94.93	ND	35.00	–
	Mar-89	129.93	95.20	ND	34.73	–
	Jun-89	129.93	95.55	ND	34.38	–
	Sep-89	129.93	96.88	ND	33.05	–
	Dec-89	129.93	94.75	ND	35.18	–
	Mar-90	129.93	97.75	ND	32.18	–
	Jun-90	129.93	97.48	ND	32.45	–
	Sep-90	129.93	98.02	ND	31.91	–
	Dec-90	129.93	98.64	ND	31.29	–
	Mar-91	129.93	96.92	ND	33.01	–
	Jun-91	129.93	96.11	ND	33.82	–
	Sep-91	129.93	96.41	ND	33.52	–
	Dec-91	129.93	96.12	ND	33.81	–
	Mar-92	129.93	94.32	ND	35.61	–
	Jun-92	129.93	93.45	ND	36.48	–
	Sep-92	129.93	93.97	ND	35.96	–
	Dec-92	129.93	93.50	ND	36.43	–
	Mar-93	129.93	91.91	ND	38.02	–
	May-93	129.93	89.60	ND	40.33	–
	Sep-93	129.93	87.91	87.90	42.03	0.01
	Dec-93	129.93	86.43	86.41	43.52	0.02
	Mar-94	129.93	82.89	82.88	47.05	0.01
	Jun-94	129.93	81.30	81.29	48.64	0.01
	Sep-94	129.93	81.81	81.80	48.13	0.01
	Dec-94	129.93	82.00	ND	47.93	–
	Mar-95	129.93	80.33	ND	49.60	–
	Sep-95	129.93	79.68	ND	50.25	–
	Dec-95	129.93	79.65	ND	50.28	–
	Jul-96	129.93	78.57	ND	51.36	–
	Dec-96	129.93	79.40	ND	50.53	–
	Jan-98	129.93	78.40	ND	51.53	–
	Aug-98	Well Damaged	NR	NR	NAP	NAP
	Jan-99	Well Destroyed	NAP	NAP	NAP	NAP
MW-501 (ABANDONED)	Jun-88	128.70	92.46	91.16	37.23	1.30
	Sep-88	128.70	94.39	93.03	35.34	1.36
	Dec-88	128.70	94.41	93.71	34.82	0.70
	Mar-89	128.70	94.81	94.06	34.46	0.75
	Jun-89	128.70	94.62	93.81	34.70	0.81
	Sep-89	128.70	96.17	95.21	33.26	0.96
	Dec-89	128.70	97.15	96.32	32.18	0.83
	Mar-90	128.70	97.62	96.80	31.70	0.82
	Jun-90	128.70	96.02	95.27	33.25	0.75
	Sep-90	128.70	97.80	96.85	31.62	0.95
	Dec-90	128.70	98.82	97.64	30.78	1.18
	Mar-91	128.70	96.83	96.25	32.31	0.58
	Jun-91	128.70	95.94	95.44	33.14	0.50
	Sep-91	128.70	96.12	95.62	32.96	0.50
	Dec-91	128.70	95.91	95.44	33.15	0.47
	Mar-92	128.70	94.14	93.93	34.72	0.21
	Jun-92	128.70	92.98	92.97	35.73	0.01
	Sep-92	128.70	93.42	93.25	35.41	0.17
	Dec-92	128.70	92.99	92.85	35.82	0.14
	Mar-93	128.70	91.60	ND	37.10	–
	May-93	128.70	89.45	ND	39.25	–
	Sep-93	128.70	87.77	87.76	40.94	0.01
	Dec-93	128.70	86.25	86.24	42.46	0.01
	Mar-94	128.70	83.19	83.18	45.52	0.01
	Jun-94	128.70	81.35	81.34	47.36	0.01
	Sep-94	128.70	81.27	81.26	47.44	0.01
	Dec-94	128.70	81.50	81.49	47.21	0.01

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-501 (cont.) (ABANDONED)	Mar-95	128.70	80.23	ND	48.47	--
	Sep-95	128.70	76.04	ND	52.66	--
	Dec-95	128.70	79.09	ND	49.61	--
	Jul-96	128.70	77.84	ND	50.86	--
	Dec-96	128.70	78.67	ND	50.03	--
	Jan-98	128.70	NR	NR	NAP	NAP
	Aug-98	Well Damaged	NR	NR	NAP	NAP
	Jan-99	Well Damaged	NR	NR	NAP	NAP
MW-501A	Jul-99	Not Surveyed	77.70	ND	NAP	NAP
	Jan-00	Not Surveyed	81.30	ND	NAP	NAP
	Jul-00	Not Surveyed	83.24	ND	NAP	NAP
MW-502	Jun-88	131.19	94.00	ND	37.19	--
	Sep-88	131.19	94.95	ND	36.24	--
	Dec-88	131.19	96.35	ND	34.84	--
	Mar-89	131.19	96.75	ND	34.44	--
	Jun-89	131.19	97.27	94.14	36.30	3.13
	Sep-89	131.19	99.08	96.25	34.26	2.83
	Dec-89	131.19	100.40	98.65	32.12	1.75
	Mar-90	131.19	100.96	99.23	31.54	1.73
	Jun-90	131.19	99.16	97.77	33.09	1.39
	Jun-91	130.82	97.95	97.21	33.43	0.74
	Sep-91	130.82	98.20	97.46	33.18	0.74
	Dec-91	130.82	97.97	97.19	33.44	0.78
	Mar-92	130.82	96.00	95.57	35.15	0.43
	Jun-92	130.82	94.95	94.65	36.10	0.30
	Sep-92	130.82	95.51	95.11	35.61	0.40
	Dec-92	130.82	95.14	94.87	35.89	0.27
	Mar-93	130.82	93.30	ND	37.52	--
	May-93	130.82	91.13	ND	39.69	--
	Sep-93	130.82	89.45	89.44	41.38	0.01
	Dec-93	130.82	87.94	87.93	42.89	0.01
	Mar-94	130.82	84.70	84.69	46.13	0.01
	Jun-94	130.82	82.99	82.98	47.84	0.01
	Sep-94	130.82	83.03	ND	47.79	--
	Dec-94	130.82	83.40	ND	47.42	--
	Mar-95	130.82	81.96	ND	48.86	--
	Sep-95	130.82	81.05	ND	49.77	--
	Dec-95	130.82	81.02	ND	49.80	--
	Jul-96	130.82	79.83	ND	50.99	--
	Dec-96	130.82	80.68	ND	50.14	--
	Jan-98	130.82	79.78	ND	51.04	--
	Aug-98	130.82	78.98	ND	51.84	--
	Jan-99	128.30	76.73	ND	51.57	--
	Jul-99	128.30	76.90	ND	51.40	--
	Jan-00	128.30	81.56	ND	46.74	--
	Jul-00	128.30	83.48	ND	44.82	--
MW-503 (ABANDONED)	Jun-88	131.43	92.55	ND	38.88	--
	Sep-88	131.43	93.26	ND	38.17	--
	Dec-88	131.43	94.74	ND	36.69	--
	Mar-89	131.43	95.18	ND	36.25	--
	Jun-89	131.43	95.50	ND	35.93	--
	Sep-89	131.43	96.30	ND	35.13	--
	Dec-89	131.43	97.16	ND	34.27	--
	Mar-90	131.43	97.54	ND	33.89	--
	Jun-90	131.43	97.30	ND	34.13	--
	Sep-90	131.43	97.70	ND	33.73	--
	Dec-90	131.43	98.27	ND	33.16	--
	Mar-91	131.43	96.64	ND	34.79	--
	Jun-91	131.43	95.79	ND	35.64	--
	Sep-91	131.43	96.05	ND	35.38	--
	Dec-91	131.43	95.80	ND	35.63	--
	Mar-92	131.43	93.98	ND	37.45	--

For Notes and explanations see page 11

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-503 (cont.) (ABANDONED)	Jun-92	131.43	93.01	ND	38.42	–
	Sep-92	131.43	93.52	ND	37.91	–
	Dec-92	131.43	93.11	ND	38.32	–
	Mar-93	131.43	91.67	ND	39.76	–
	May-93	134.43	88.78	ND	45.65	–
	Sep-93	134.43	87.47	87.45	46.98	0.02
	Dec-93	134.43	86.02	86.00	48.43	0.02
	Mar-94	134.43	82.54	82.53	51.90	0.01
	Jun-94	134.43	80.95	80.94	53.49	0.01
	Sep-94	134.43	81.41	81.40	53.03	0.01
	Dec-94	134.43	81.75	ND	52.68	–
	Mar-95	134.43	80.10	ND	54.33	–
	Sep-95	134.43	79.34	ND	55.09	–
	Dec-95	134.43	79.37	ND	55.06	–
	Jul-96	134.43	78.35	ND	56.08	–
	Dec-96	134.43	79.31	ND	55.12	–
	Jan-98	134.43	78.24	ND	56.19	–
	Aug-98	134.43	77.45	ND	56.98	–
	Jan-99	Well Destroyed	NAP	NAP	NAP	NAP
MW-503B	Feb-99	129.96	77.05	ND	52.91	–
	Jul-99	129.96	78.64	ND	51.32	–
	Jan-00	129.96	82.58	ND	47.38	–
	Jul-00	129.96	84.17	ND	45.79	–
MW-504	Jun-88	133.83	92.56	90.73	42.66	1.83
	Sep-88	133.83	93.98	92.41	41.04	1.57
	Dec-88	133.83	94.70	92.83	40.55	1.87
	Mar-89	133.83	96.25	93.50	39.67	2.75
	Jun-89	133.83	94.36	92.16	41.14	2.20
	Sep-89	133.83	99.21	97.15	36.19	2.06
	Dec-89	133.83	96.80	95.45	38.06	1.35
	Mar-90	133.83	97.10	95.72	37.78	1.38
	Jun-90	133.83	95.75	95.13	38.55	0.62
	Dec-90	133.83	97.47	96.31	37.24	1.16
	Jun-91	134.51	95.20	ND	39.31	–
	Sep-91	134.51	95.19	ND	39.32	–
	Dec-91	134.51	95.08	ND	39.43	–
	Mar-92	134.51	95.55	ND	38.96	–
	Jun-92	134.51	92.28	ND	42.23	–
	Sep-92	134.51	92.47	ND	42.04	–
	Dec-92	134.51	92.32	ND	42.19	–
	Mar-93	134.51	91.09	ND	43.42	–
	May-93	134.51	88.78	ND	45.73	–
	Sep-93	134.51	86.64	86.63	47.88	0.01
	Nov-93	134.51	85.10	ND	49.41	–
	Mar-94	134.51	82.26	82.25	52.26	0.01
	Jun-94	134.51	80.43	ND	54.08	–
	Sep-94	134.51	80.59	80.58	53.93	0.01
	Dec-94	134.51	81.14	ND	53.37	–
	Mar-95	134.51	80.06	ND	54.45	–
	Sep-95	134.51	78.55	ND	55.96	–
	Dec-95	134.51	78.76	ND	55.75	–
	Jul-96	134.51	77.92	ND	56.59	–
	Dec-96	134.51	79.15	78.85	55.59	0.30
	Jan-98	134.51	78.00	77.98	56.53	0.02
	Aug-98	134.51	77.00	76.98	57.53	0.02
	Jan-99	134.51	77.56	77.46	57.03	0.10
	Jul-99	134.51	79.12	78.63	55.76	0.49
	Jan-00	134.51	82.88	82.20	52.15	0.68
	Jul-00	134.51	83.96	84.90	51.26	0.94
MW-600 (ABANDONED)	Sep-90	120.05	91.48	90.31	29.46	1.17
	Dec-90	120.05	92.43	90.79	28.87	1.64
	Mar-91	120.05	89.88	89.00	30.84	0.88
	Jun-91	120.05	89.35	88.45	31.38	0.90

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-600 (cont.) (ABANDONED)	Sep-91	120.05	89.64	88.76	31.08	0.88
	Dec-91	120.05	88.91	88.58	31.39	0.33
	Mar-92	120.05	87.09	86.89	33.11	0.20
	Jun-92	120.05	86.26	86.12	33.90	0.14
	Sep-92	120.05	86.90	86.69	33.31	0.21
	Dec-92	120.05	86.02	86.00	34.05	0.02
	Mar-93	120.05	84.63	ND	35.42	–
	May-93	120.05	82.52	ND	37.53	–
	Sep-93	120.05	80.99	80.98	39.07	0.01
	Dec-93	120.05	79.49	79.48	40.57	0.01
	Mar-94	120.05	76.01	76.00	44.05	0.01
	Jun-94	120.05	74.40	74.39	45.66	0.01
	Sep-94	120.05	74.73	74.72	45.33	0.01
	Dec-94	120.05	74.90	74.84	45.20	0.06
	Mar-95	120.05	73.65	73.03	46.87	0.62
	Sep-95	120.05	73.69	73.30	46.66	0.39
	Dec-95	120.05	72.02	ND	48.03	–
	Jul-96	120.05	73.55	70.59	48.75	2.96
	Dec-96	120.05	73.90	71.35	48.09	2.55
	Jan-98	120.05	75.05	69.67	49.09	5.38
	Aug-98	120.05	74.50	72.70	49.09	1.8 [2]
	Jan-99	120.05	73.72	69.60	49.46	4.12
MW-600A	Jul-99	120.34	77.55	77.32	42.96	0.23
	Jan-00	120.34	77.80	76.77	43.32	1.03
	Jul-00	120.34	78.59	78.99	42.05	0.40
MW-601 (ABANDONED)	Sep-90	125.03	96.64	95.89	28.96	0.75
	Dec-90	125.03	97.01	96.52	28.39	0.49
	Mar-91	125.03	94.84	ND	30.19	–
	Jun-91	125.03	94.27	ND	30.76	–
	Sep-91	125.03	94.54	ND	30.49	–
	Dec-91	125.03	94.30	ND	30.73	–
	Mar-92	125.03	92.66	ND	32.37	–
	Jun-92	125.03	91.81	ND	33.22	–
	Sep-92	125.03	92.80	92.28	32.63	0.52
	Dec-92	125.03	91.78	ND	33.25	–
	Mar-93	125.03	90.38	ND	34.65	–
	May-93	125.03	88.35	ND	36.68	–
	Sep-93	125.03	86.76	86.75	38.28	0.01
	Dec-93	125.03	85.36	85.35	39.68	0.01
	Mar-94	125.03	82.01	82.00	43.03	0.01
	Jun-94	125.03	80.30	80.25	44.77	0.05
	Sep-94	125.03	80.50	80.40	44.61	0.10
	Dec-94	125.03	80.65	80.52	44.48	0.13
	Mar-95	125.03	79.08	78.98	46.03	0.10
	Sep-95	125.03	78.36	78.11	46.86	0.25
	Dec-95	125.03	78.07	ND	46.96	–
	Jul-96	125.03	77.03	76.75	48.21	0.28
	Dec-96	125.03	77.57	ND	47.46	–
	Jan-98	125.03	76.79	76.40	48.54	0.39
	Aug-98	125.03	76.29	76.05	48.92	0.24 [2]
	Jan-99	125.03	76.62	75.95	48.92	0.67
MW-601A	Jul-99	126.53	77.39	77.36	49.12	-0.03
	Jan-00	126.53	81.03	ND	45.50	–
	Jul-00	126.53	82.70	82.72	43.85	0.02
MW-603	Jul-96	118.54	72.01	ND	46.53	–
	Dec-96	118.54	72.39	ND	46.15	–
	Jan-98	118.54	71.33	ND	47.21	–
	Aug-98	118.54	71.12	ND	47.42	–
	Jan-99	118.54	77.71	ND	46.83	–
	Jul-99	118.54	72.97	ND	45.57	–
	Jan-00	118.54	76.87	ND	41.67	–
	Jul-00	118.54	78.00	ND	40.54	–

For Notes and explanations see page 11

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
MW-604	Jul-96	138.16	88.79	ND	49.37	–
	Dec-96	138.16	89.57	ND	48.59	–
	Jan-98	138.16	88.61	ND	49.55	–
	Aug-98	138.16	87.55	ND	50.61	–
	Jan-99	138.16	87.88	ND	50.28	–
	Jul-99	138.16	88.53	ND	49.63	–
	Jan-00	138.16	92.10	ND	46.06	–
	Jul-00	138.16	94.21	ND	43.95	–
MW-605	Jul-96	114.54	74.03	ND	40.51	–
	Dec-96	114.54	74.06	ND	40.48	–
	Jan-98	114.54	73.19	ND	41.35	–
	Aug-98	114.54	73.18	ND	41.36	–
	Jan-99	114.54	72.52	ND	42.02	–
	Jul-99	114.54	74.62	ND	39.92	–
	Jan-00	114.54	78.58	ND	35.96	–
	Jul-00	114.54	79.54	ND	35.00	–
MW-606	Jul-96	113.89	77.19	ND	36.70	–
	Dec-96	113.89	77.50	ND	36.39	–
	Jan-98	113.89	75.92	ND	37.97	–
	Aug-98	113.89	75.93	ND	37.96	–
	Jan-99	113.89	75.26	ND	38.63	–
	Jul-99	113.89	77.19	ND	36.70	–
	Jan-00	113.89	80.87	ND	33.02	–
	Jul-00	113.89	82.12	ND	31.77	–
MW-607	Jul-96	126.03	86.88	ND	39.15	–
	Dec-96	126.03	87.56	ND	38.47	–
	Jan-98	126.03	86.50	ND	39.53	–
	Aug-98	126.03	85.64	ND	40.39	–
	Jan-99	126.03	85.88	ND	40.15	–
	Jul-99	126.03	86.52	ND	39.51	–
	Jan-00	126.03	90.40	ND	35.63	–
	Jul-00	126.03	92.02	ND	34.01	–
W-1	Dec-96	142.89	90.10	ND	52.79	–
	Jan-98	142.89	89.28	ND	53.61	–
	Aug-98	142.89	88.19	ND	54.70	–
	Jan-99	142.89	88.62	ND	54.27	–
	Jul-99	142.89	89.25	ND	53.64	–
	Jan-00	142.89	91.80	ND	51.09	–
	Jul-00	142.89	94.00	ND	48.89	–
W-2 (ABANDONED)	Dec-96	139.31	88.72	ND	50.59	–
	Jan-98	139.31	87.95	ND	51.36	–
	Aug-98	139.31	86.95	ND	52.36	–
	Jan-99	NS	NS	NAP	NAP	NAP
W-3 (ABANDONED)	Dec-96	136.11	90.98	ND	45.13	–
	Jan-98	136.11	89.95	ND	46.16	–
	Aug-98	NS	NS	NAP	NAP	NAP
	Jan-99	NS	NS	NAP	NAP	NAP
W-4	Dec-96	142.38	92.88	ND	49.50	–
	Jan-98	142.38	92.01	ND	50.37	–
	Aug-98	142.38	90.90	ND	51.48	–
	Jan-99	142.38	91.31	ND	51.07	–
	Jul-99	142.38	91.90	ND	50.48	–
	Jan-00	142.38	94.66	ND	47.72	–
	Jul-00	142.38	96.88	ND	45.50	–
W-3A	Aug-98	124.00	91.14	ND	32.86	–
	Jan-99	124.00	91.55	ND	32.45	–
	Jul-99	124.00	92.21	ND	31.79	–
	Jan-00	124.00	95.65	ND	28.35	–
	Jul-00	124.00	97.10	97.14	48.92	0.04

For Notes and explanations see page 11

TABLE 1
SUMMARY OF HISTORICAL GROUNDWATER ELEVATIONS
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

WELL ID	DATE	TOC ELEVATION (FT-MSL)	DEPTH TO GROUNDWATER (FEET)	DEPTH TO HYDROCARBONS (FEET)	GROUNDWATER ELEVATION [1] (FT-MSL)	HYDROCARBON THICKNESS (FEET)
EW-1	Aug-98	112.40	85.99	ND	26.41	–
	Jan-99	112.40	86.22	ND	26.18	–
	Jul-99	112.40	86.51	ND	25.89	–
	Jan-00	112.40	88.29	88.21	24.17	0.08
	Jul-00	112.40	89.14	91.72	25.22	2.58

NOTES:

Measurements prior to January, 1998, were conducted by consultants other than Versar, Inc.

[1] Groundwater elevations for wells containing free product were adjusted for hydrocarbon thickness using methods described in API, 1989. A specific gravity value of 0.76 was used for free product. Previously reported groundwater elevations did not take into account the effect of the specific gravity of free product on groundwater elevation and therefore may differ from groundwater elevations reported herein.

[2] Product thickness was estimated due to malfunction of oil-water interface probe.

TOC = Top of Well Casing Elevation
FT-MSL = Feet Above Mean Sea Level
Well Damaged = Well damaged due to construction activities.
NR = Not recorded due to well damage, or improper equipment reading.
NAP = Not Applicable
ND = None Detected
NA = Data Not Available
NS = Not Scheduled for Measurement

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 BDCM	10 BCM	11 Chloroform	12 Chloro ethane	13 c-1,1-DCE	14 1,2-DCB	15 Dichloro difluoro methane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 isoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Naphthalene	28 p-IsoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB
OPERATION AREA 1: BLOOMFIELD PROPERTY																																							
MW-106	12/20/95	0.79	--	<10	--	0.012	0.0035	0.01	0.01	--	--	--	--	0.033	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.015	0.0018	--	--	--	--	--
	7/31/96	0.6	--	--	0.0034	0.014	0.0022	0.009	<0.005	<0.0003	--	<0.0003	--	0.026	<0.0003	<0.0003	<0.0003	<0.0003	0.00054	<0.0003	--	<0.0003	--	--	--	--	--	--	--	--	--	<0.0003	0.077	0.0025	--	--	--	0.00098	--
	12/17/96	0.36	--	--	<0.002	0.0031	<0.001	<0.001	<0.004	<0.002	<0.002	<0.002	--	0.063	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0027	<0.001	<0.001	--	<0.002	--	--	<0.001	<0.002	<0.001	--	<0.001	0.026	<0.001	<0.001	<0.002	--	<0.004	--
	1/23/98	0.8	--	--	<0.005	0.024	<0.005	0.0027	<0.005	<0.005	<0.005	<0.005	--	0.066	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.0073	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	<0.005	0.01	<0.005	<0.005	<0.005	--	<0.01	<0.005
	8/20/98	1.0	--	--	<0.005	0.027	<0.005	0.054	<0.005	<0.005	<0.005	<0.005	--	0.43	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.0096	<0.005	<0.005	--	0.0059	--	--	<0.01	<0.005	<0.005	--	<0.005	0.0052	<0.005	<0.005	<0.005	--	<0.01	<0.005
	1/27/99	1.1	--	--	<0.005	0.031	<0.005	0.0025	<0.005	<0.005	<0.005	<0.005	--	0.047	<0.005		<0.005	<0.005	<0.005	<0.005	0.009	<0.005	<0.005	--	0.0072	--	--	<0.01	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	7/19/99	0.29	--	--	<0.001	0.018	<0.001	0.0077	<0.001	<0.001	<0.001	<0.001	--	0.039	<0.001	<0.001	0.0017	<0.0005	0.0013	<0.001	0.007	<0.01	<0.001	--	0.0053	--	--	<0.01	<0.001	0.0015	--	<0.001	0.0064	0.0026	<0.001	<0.001	--	<0.0005	<0.001
	1/14/00	1.0	--	--	<0.001	0.0041	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.038	<0.001	<0.001	0.0022	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.010	--	<0.001	--	--	<0.010	<0.001	<0.001	--	<0.001	0.0096	<0.001	<0.001	<0.001	--	<0.0005	<0.001
	7/31/00	<0.5	--	--	<0.001	0.0053	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.036	<0.001	<0.001	0.0027	<0.0005	<0.001	<0.001	0.001	<0.001	<0.010	<0.001	<0.001	<0.010	<0.020	<0.010	<0.001	<0.001	<0.010	0.031	0.021	0.0021	<0.001	<0.001	--	0.018	--
MW-107	12/1/95	<0.3	--	<10	--	0.016	0.00099	0.00077	0.0029	--	--	--	--	0.028	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0065	--	--	--	--	--
	7/31/96	0.6	--	--	0.11	0.033	0.0044	0.0066	<0.005	<0.0003	--	<0.0003	--	0.031	<0.0003	<0.0003	<0.0003	<0.0003	0.00045	<0.0003	--	<0.0003	--	--	--	--	--	--	--	--	--	<0.0003	0.019	0.00070	--	--	--	0.0011	--
	12/17/96	0.33	--	--	<0.002	0.022	<0.002	<0.002	<0.01	<0.005	<0.005	<0.005	--	0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.001	<0.005	<0.005	--	<0.005	0.033	<0.005	<0.005	<0.005	--	<0.01	--
	1/23/98	0.01	--	--	<0.005	0.041	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.13	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.010	<0.005	<0.005	--	<0.005	0.047	<0.005	<0.005	<0.005	--	<0.01	<0.005
	8/20/98	0.03	--	--	<0.005	0.028	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.098	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.0062	<0.005	<0.005	--	<0.005	--	--	<0.010	<0.005	<0.005	--	<0.005	0.028	<0.005	<0.005	<0.005	--	<0.01	<0.005
	1/27/99	1.1	--	--	<0.005	0.036	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.1	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.0069	<0.005	<0.005	--	<0.005	--	--	<0.010	<0.005	<0.005	--	<0.005	0.044	<0.005	<0.005	<0.005	--	<0.01	<0.005
	7/19/99	0.03	--	--	<0.005	0.019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.12	<0.005	<0.005	<0.005	<0.0025	<0.005	<0.005	<0.005	<0.05	<0.005	--	<0.005	--	--	<0.05	<0.005	<0.005	--	<0.005	0.077	<0.005	<0.005	<0.005	--	<0.0025	<0.005
	1/12/00	1.7	--	--	<0.001	0.037	<0.001	0.0078	<0.001	<0.001	<0.001	<0.001	--	0.120	<0.001	<0.002	0.0016	<0.0005	0.0011	<0.001	0.011	<0.010	<0.001	--	0.0033	--	--	<0.010	<0.001	0.003	--	<0.001	0.120	0.0034	<0.001	<0.001	--	<0.0005	0.0013
	7/31/00	1.7	--	--	<0.005	0.050	<0.005	0.020	<0.005	<0.005	<0.005	<0.005	<0.005	0.043	<0.005	<0.005	0.0023	<0.0025	<0.005	<0.005	0.042	<0.050	<0.005	<0.005	0.049	0.110	0.140	<0.050	<0.005	0.0086	<0.031	<0.005	0.059	<0.005	<0.005	<0.005	--	0.053	<0.005
MW-203	6/1/88	--	--	--	--	0.046	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/88	--	--	--	--	0.076	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/88	--	--	--	--	0.066	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/89	--	--	--	--	0.11	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/89	--	--	--	--	0.11	<0.005	0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/89	--	--	--	--	0.08	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/89	--	--	--	--	0.1	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/90	--	--	--	--	0.09	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/90	--	--	--	--	0.059	0.002	0.007	0.002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/90	--	--	--	--	0.13	<0.005	0.009	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/90	--	--	--	--	0.094	<0.005	0.007	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/91	--	--	--	--	0.1	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/91	--	--	--	--	0.1	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/91	--	--	--	--	0.14	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/91	--	--	--	--	0.13	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/92	--	--	--	--	0.12	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/92	--	--	--	--	0.085	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/92	--	--	--	--	0.066	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/92	--	--	--	--	0.064	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/93	--	--	--	--	0.069	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/1/93	--	--	--	--	0.086	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/25/93	--	--	--	--	0.086	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/93	--	--	--	--	0.04	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/94	--	--	--	--	0.039	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/95	--	--	--	--	0.027	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/95	--	--	--	--	0.025	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/95	0.64	--	<5	--	0.037	0.001	0.012	0.0019	--	--	--	--	0.04	--	--	0.00961	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0043	--	--	--	0.0014	--
	7/31/96	0.5	--	--	<0.02	0.043	0.002	0.0019	<0.005	<0.0003	--	<0.0003	--	0.021	<0.0003	<0.0003	0.00034	<0.0003	<0.0003	<0.0003	--	<0.0003	--	--	--	--	--	--	--	--	--	<0.0003	0.0017	0.00034	--	--	--	0.002	--
	12/17/96	0.14	--	--	<0.002	0.03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	--	<0.001	--	--	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.002	--
	1/23/98	0.25	--	--	<0.005	0.024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.018	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	8/20/98	0.29	--	--	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.035	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	[illegible]
	1/27/99	0.33	--	--	<0.005	0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.039	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.0	[illegible]
	7/19/99	<0.50	--	--	<0.001	0.016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.014	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.01	<0.001	<0.001	--	<0.001	0.0019	<0.001	<0.001	<0.001	--	<0.0005	[illegible]
	1/12/00	<0.50	--	--	0.001	0.0078	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.014	<0.001	<0.001	<0.001	0.00053	<0.001	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.010	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.005	<0.001
	7/31/00	<0.50	--	--	<0.005	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	0.014	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.00051	<0.001

SEE NOTES AND EXPLANATIONS ON PAGE 9

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 EDCM	10 EDB	11 Chloroform	12 Chloroethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichloromethane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 isoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Naphthalene	28 p-isoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB
OPERATION AREA 2: EAST TANK FARM AREA																																							
MW-103	8/85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	-	-
	6/1/88	-	-	-	-	0.97	0.074	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/88	-	-	-	-	6.3	<0.005	<0.005	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/88	-	-	-	-	0.37	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/89	-	-	-	-	0.94	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1/89	-	-	-	-	0.7	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/89	-	-	-	-	1.0	0.03	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/92	-	-	-	-	0.31	<0.005	0.005	0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1/92	-	-	-	-	0.03	<0.005	<0.005	0.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/92	-	-	-	-	0.3	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/92	-	-	-	-	0.25	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/93	-	-	-	-	<0.005	0.009	0.019	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/1/93	-	-	-	-	4.0	<0.25	<0.25	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/25/93	-	-	-	-	4.0	<0.25	<0.25	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/93	-	-	-	-	1.3	0.059	0.063	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/1/93	-	-	-	-	1.4	<0.25	<0.25	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/94	-	-	-	-	0.34	<0.010	<0.010	0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/95	-	-	-	-	0.16	<0.005	<0.005	<0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/95	-	-	-	-	0.9	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/13/95	4.1	-	<0.5	-	0.41	0.0043	0.0026	0.0077	-	-	-	-	<0.0005	-	-	0.0022	0.0031	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0005	<0.0005	<0.0005	-	-	-	0.0025	-
	7/31/96	2.7	-	-	<0.010	0.34	0.085	<0.0005	0.011	<0.0003	-	<0.0003	-	0.0027	0.0012	0.011	0.017	0.0017	<0.0003	<0.0003	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0003	<0.0003	0.00018	-	-	-	[illegible]	-
	12/17/96	2.4	-	-	<0.010	0.2	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	0.027	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	-	0.0084	-	-	<0.005	<0.005	<0.005	-	0.0029	<0.005	<0.005	<0.005	<0.005	-	[illegible]	-
	1/21/98	1.3	-	-	<0.005	0.23	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	<0.005	-	0.015	-	-	<0.010	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	[illegible]	<0.005
	8/19/98	1.6	-	-	<0.005	0.32	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	0.0069	-	0.012	-	-	<0.010	<0.005	0.0054	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.01	<0.005
	12/7/99	1.9	-	-	<0.005	0.11	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	0.0071	<0.005	<0.005	-	0.0059	-	-	<0.010	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.01	<0.005
	7/10/99	1.9	-	-	<0.001	0.067	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	-	0.0013	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	0.0029	<0.010	0.0021	-	0.0081	-	-	<0.010	<0.003	0.0039	-	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.0005	<0.005
	1/12/00	1.8	-	-	0.0013	0.087	<0.001	<0.002	<0.001	<0.001	<0.003	<0.001	-	0.003	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.0063	<0.010	0.0035	-	0.0067	-	-	<0.010	<0.003	0.0037	-	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.0005	<0.001
	10/4/00	0.92	-	-	<0.001	<0.0005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0029	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	0.0035	<0.010	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.001	0.0039	<0.010	<0.001	<0.001	0.0011	<0.001	<0.001	-	0.00075	<0.005
MW-201	8/85	-	-	-	-	-	-	-	-											-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-
	11/1/93	-	-	-	-	7.7	<0.5	2.6	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/95	-	-	-	-	0.4	0.007	0.029	0.042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/95	-	-	-	-	0.5	0.01	0.043	0.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/95	0.8	-	-	-	0.33	0.022	0.051	0.074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/31/96	4.8	-	-	0.063	0.64	0.015	<0.0005	0.012	<0.0003	-	<0.0003	-	0.003	<0.0003	0.0057	0.00054	0.00058	<0.0003	0.0004	-	<0.0003	-	-	-	-	-	-	-	-	-	<0.0005	0.00034	0.00037	-	-	-	<0.0003	-
	12/17/96	7.4	-	-	<0.02	0.89	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.055	<0.05	<0.05	-	0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	-
	1/21/98	1.6	-	-	<0.005	0.43	<0.005	0.019	0.021	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	0.057	<0.005	0.021	-	0.1	-	-	<0.010	<0.005	0.016	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.01	<0.005
	8/18/98	3.1	-	-	<0.005	0.33	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	0.049	<0.005	0.016	-	0.091	-	-	<0.010	<0.005	0.026	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.01	<0.005
	12/7/99	3.3	-	-	<0.005	0.076	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	0.067	<0.005	<0.005	-	0.13	-	-	<0.010	<0.005	0.029	-	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.01	<0.005
	7/19/99	2.3	-	-	<0.002	0.036	0.0021	0.0037	0.0034	<0.002	<0.003	<0.003	-	0.0013	<0.002	<0.001	<0.002	<0.001	<0.002	<0.002	0.063	<0.02	0.019	-	0.13	-	-	<0.05	<0.002	0.029	-	<0.003	<0.002	<0.002	<0.005	<0.003	-	<0.001	<0.005
	1/11/00	2.4	-	-	0.0013	0.049	<0.001	0.0024	0.0023	<0.001	<0.001	<0.001	-	0.0019	<0.001	<0.001	0.0032	<0.0005	<0.001	<0.001	0.044	<0.010	0.0072	-	0.029	-	-	<0.010	<0.003	0.023	-	<0.001	<0.001	<0.001	<0.003	<0.001	-	<0.0005	<0.001
	8/2/00	1.4	-	-	<0.001	0.043	<0.003	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	0.0046	<0.001	<0.001	0.011	<0.0005	<0.001	<0.001	0.035	<0.010	0.0039	0.0010	0.01	<0.010	<0.010	<0.010	<0.001	0.023	<0.010	<0.001	<0.001	<0.003	<0.001	<0.001	-	<0.0005	<0.001
MW-204	6/1/88	-	-	-	-	0.019	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/88	-	-	-	-	0.006	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/88	-	-	-	-	0.033	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/89	-	-	-	-	0.029	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1/89	-	-	-	-	0.016	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/89	-	-	-	-	0.064	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/89	-	-	-	-	0.16	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/90	-	-	-	-	0.009	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1/90	-	-	-	-	0.002	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/90	-	-	-	-	0.039	<0.005	<0.005	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/90	-	-	-	-	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/91	-	-	-	-	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1/91	-	-	-	-	<0.005	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/91	-	-	-	-	0.027	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1/91	-	-	-	-	0.047	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/1/92	-	-	-	-	0.09	<0.005	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1/92	-	-	-	-	0.11	0.071	<0.005	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/92	-	-	-	-	0.09	0.02	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SEE NOTES AND EXPLANATIONS ON PAGE 9

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 BDCM	10 BCM	11 Chloroform	12 Chloro ethane	13 t-1,2-DCE	14 1,2-DCD	15 Dichloro-difluoro methane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 isoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Napthalene	28 p-IsoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CD
	12/1/92	–	–	–	–	3.7	3.7	<0.005	1.86	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4/1/93	–	–	–	–	0.13	0.028	0.031	0.193	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5/1/93	–	–	–	–	0.78	<0.05	<0.05	<0.05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5/25/93	–	–	–	–	0.78	<0.05	<0.05	<0.05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	5.5	0.63	0.19	0.99	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/95	–	–	–	–	3.8	0.077	0.13	0.49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	6.9	4.7	0.65	3.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	12000.0	–	<5	–	0.83	0.67	0.24	0.86	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	8/1/96	14.0	–	–	0.032	1.4	1.3	0.53	1.7	<0.001	–	<0.001	–	0.0079	<0.001	<0.001	0.0031	0.0072	<0.001	<0.001	–	<0.001	–	–	–	–	–	–	–	–	–	<0.001	<0.001	0.0011	–	–	–	0.0053	–
	12/17/96	3.1	–	–	<0.2	0.78	0.058	<0.05	<0.1	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.05	–	–	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.1	–
	1/21/98	6.0	–	–	0.0051	2.3	0.079	0.31	0.5	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.012	<0.005	<0.005	–	0.036	–	–	0.065	<0.005	0.083	–	<0.005	<0.005	<0.005	0.09	0.033	–	0.009	<0.005
	8/21/98	11.0	–	–	<0.05	5.1	0.83	0.53	1.73	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.1	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05	–	0.094	–	–	<0.1	<0.05	<0.05	–	<0.05	<0.05	<0.05	0.2	<0.05	–	<0.1	<0.05
	1/28/99	10.0	–	–	<0.05	2.3	0.12	0.47	1.94	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.05	–	–	<0.1	<0.05	<0.05	–	<0.05	<0.05	<0.05	0.31	0.052	–	<0.1	<0.05
	7/19/99	1.9	–	–	0.027	0.55	<0.010	0.11	0.33	<0.010	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.005	<0.010	<0.010	<0.010	<0.100	<0.01	–	0.033	–	–	<0.1	<0.01	<0.01	–	<0.01	<0.01	<0.01	0.047	0.037	–	<0.005	<0.01
	1/11/00	2.1	–	–	<0.010	0.37	<0.010	<0.010	0.014	<0.010	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.005	<0.010	<0.010	<0.010	<0.100	<0.010	–	0.019	–	–	<0.100	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.010	–	<0.005	<0.010
	8/2/00	1.3	–	–	<0.005	0.4	<0.005	0.033	0.038	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0025	<0.005	<0.005	0.0082	<0.050	<0.005	<0.005	0.021	0.064	0.082	<0.010	<0.005	<0.001	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.0025	<0.005
Well 7	8/4/00	<0.6	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0001	<0.0001	0.0012	<0.001	<0.001	<0.001	<0.007	<0.010	<0.010	<0.010	<0.010	–	–	<0.001	<0.001	<0.001	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	<0.0005	<0.001
OPERATION AREA 3: PROCESSING AREA																																							
MW-104	6/1/88	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
(ABANDONED)	9/1/88	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]	–
	12/1/88	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]	–
	3/1/89	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/89	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/89	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/89	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/90	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/90	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/90	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/90	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/91	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/91	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/91	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/91	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/92	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/92	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/92	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/92	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/93	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5/1/93	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5/25/93	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/93	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	11/1/93	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/94	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/94	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/95	–	–	–	–	<0.005	<0.005	<0.005	<0.015	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	0.003	<0.002	<0.002	<0.002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	<0.5	–	–	–	0.003	0.0006	<0.005	<0.005	–	–	–	–	–	–	–	0.0077	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.00078	–	–	–	–	–	–
	7/31/96	<0.1	–	–	<0.01	0.0023	0.0018	<0.001	0.0027	<0.0003	–	<0.0003	–	0.0015	<0.0003	<0.0003	0.00052	0.00051	<0.0003	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	<0.0003	<0.0003	0.00054	–	–	–	<0.0003	–
	12/16/96	0.31	–	–	<0.002	0.0043	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0027	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01	<0.001	<0.001	–	0.0053	–	–	<0.001	<0.001	0.0029	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	[illegible]	–
	1/20/98	<0.1	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	[illegible]	[illegible]
	8/18/98	<0.1	–	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.010	<0.005
	1/27/99	<0.1	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.010	<0.005
MW-104A	7/19/99	<0.5	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.007	<0.001	<0.001	–	0.0056	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.010	<0.001	–	<0.001	–	–	<0.010	<0.001	<0.001	–	<0.001	<0.001	0.0012	<0.001	<0.001	–	<0.0005	<0.001
	1/13/00	<0.2	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0067	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	–	<0.001	–	–	<0.010	<0.001	<0.001	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.00057	<0.001
	8/2/00	<0.5	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0054	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.010	<0.018	<0.010	<0.001	<0.001	<0.010	<0.001	<0.001	0.0018	<0.001	<0.001	–	<0.0005	<0.001

SEE NOTES AND EXPLANATIONS ON PAGE 9

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 EDCM	10 BCM	11 Chloroform	12 Chloro ethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichloro-dfluoro methane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 isoPB	21 MC	22 n-BB	23 i-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Naphthalene	28 p-isoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB*
MW-5M	12/1/93	--	--	--	--	11.8	1.3	1.8	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/94	--	--	--	--	5.6	3.3	<0.5	6.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/94	--	--	--	--	5.8	0.7	0.54	7.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/95	--	--	--	--	8.3	1.1	1.3	12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/95	--	--	--	--	8.0	1.3	3.3	11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/95	99.0	--	36.0	--	3.7	0.73	0.8	3.6	--	--	--	--	0.014	--	--	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/96	80.0	--	--	0.37	3.4	1.4	0.96	3.7	<0.001	--	<0.001	--	0.02	<0.001	<0.001	0.004	0.02	<0.001	<0.001	--	<0.001	--	--	--	--	--	--	--	--	--	<0.001	0.00046	0.00078	--	--	--	0.0011	--
	12/12/96	33.0	--	--	<0.05	6.0	3.3	1.0	3.3	<0.25	<0.25	<0.25	--	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	0.35	--	--	3.3	0.37	<0.25	--	<0.25	<0.25	<0.25	5	3.1	--	<0.5	--
	12/1/98	20.0	--	--	<0.25	4.6	0.94	0.78	2.02	<0.25	<0.25	<0.25	--	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.33	<0.25	--	<0.33	--	--	0.36	<0.25	<0.33	--	<0.25	<0.25	<0.25	0.8	0.34	--	<0.5	<0.25
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/22/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/19/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/10/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	NS	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/11/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OPERATION AREA 4: WEST TANK FARM AREA																																							
MW-1H	8/83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.18	--	--
	6/1/93	--	--	--	--	0.63	<0.005	<0.005	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/93	--	--	--	--	0.21	0.02	0.034	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/93	--	--	--	--	0.49	0.028	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/94	--	--	--	--	0.44	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/94	--	--	--	--	0.34	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/94	--	--	--	--	0.29	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/95	--	--	--	--	0.3	<0.005	<0.005	<0.029	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/94	--	--	--	--	0.063	<0.005	0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/95	--	--	--	--	0.11	<0.005	0.11	<0.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/95	--	--	--	--	0.18	<0.004	0.18	<0.004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/95	2.4	--	<5	--	0.89	0.0059	0.0064	0.0029	--	--	--	--	0.045	--	--	0.0093	0.0018	0.067	<0.0005	--	0.0013	--	--	--	--	--	--	--	--	--	0.036	0.00097	0.1	--	--	--	<0.0005	--
	7/31/96	3.3	--	--	<0.01	0.13	0.014	0.13	0.014	<0.0003	--	<0.0003	--	0.35	<0.0003	<0.0003	0.0026	0.0016	0.051	<0.0003	--	<0.0003	--	--	--	--	--	--	--	--	--	34	<0.0003	0.041	--	--	--	<0.0003	--
	12/12/96	0.82	--	--	<0.002	<0.025	<0.01	<0.025	<0.05	<0.025	<0.025	<0.025	--	0.89	<0.025	<0.025	<0.025	<0.025	0.14	<0.025	<0.025	<0.025	<0.025	--	<0.025	--	--	<0.025	<0.025	<0.025	--	0.057	<0.025	0.34	<0.025	<0.025	--	<0.05	--
	1/19/98	1.4	--	--	<0.005	0.065	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.062	<0.005	<0.01	0.017	<0.005	<50	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	0.18	<0.005	0.31	<0.005	<0.005	--	<0.01	<0.005
	8/18/98	3.3	--	--	--	0.14	<0.005	0.015	0.0067	<0.005	<0.005	<0.005	--	0.051	<0.005	<0.01	<0.005	<0.005	0.092	<0.005	0.0064	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	0.034	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	1/26/99	3.3	--	--	<0.005	0.0634	<0.005	0.00782	<0.005	<0.005	<0.005	<0.005	--	0.0719	<0.005	<0.01	0.0139	<0.005	0.0079	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	0.0193	<0.005	0.14	<0.005	<0.005	--	<0.01	<0.005
	7/19/99	1.3	--	--	<0.002	0.033	<0.002	0.0024	<0.002	<0.002	<0.002	<0.002	--	0.057	<0.002	<0.002	0.018	<0.001	0.150	<0.002	<0.002	<0.02	<0.000	--	<0.002	--	--	<0.02	<0.002	<0.002	--	0.078	0.0088	0.37	<0.002	<0.002	--	<0.001	<0.002
	1/10/00	0.69	--	--	<0.001	0.0093	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.025	<0.001	<0.001	0.012	0.0016	0.130	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.010	<0.001	<0.001	--	0.110	0.0025	0.160	<0.001	<0.001	--	<0.0005	<0.001
	8/3/00	<0.3	--	--	<0.002	0.034	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.033	<0.002	<0.002	0.015	0.0036	0.092	<0.002	<0.002	<0.020	<0.002	<0.002	<0.002	<0.010	<0.010	<0.010	<0.002	<0.002	<0.010	0.037	0.019	0.270	<0.002	<0.002	--	0.005	<0.002
MW-1S	12/21/93	<0.5	--	<10	--	0.011	0.0027	0.00081	0.0037	--	--	--	--	0.0094	--	--	0.0045	0.0013	0.013	--	--	--	--	--	--	--	--	--	--	--	--	0.024	--	0.046	--	--	--	--	--
	7/31/96	0.42	--	--	<0.01	0.091	0.0028	0.003	0.0018	<0.003	--	<0.0003	--	0.0034	<0.0003	<0.0003	0.012	0.0014	0.02	<0.0003	--	<0.0003	--	--	--	--	--	--	--	--	--	0.024	<0.0003	0.033	--	--	--	<0.0003	--
	12/16/96	0.34	--	--	<0.002	0.014	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	--	0.01	<0.005	<0.005	<0.005	<0.005	0.09	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.005	<0.005	<0.005	--	0.08	<0.005	0.11	<0.005	<0.005	--	<0.01	--
	1/20/98	0.51	--	--	<0.005	0.033	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.028	<0.005	<0.01	0.022	<0.005	0.14	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	0.15	<0.005	0.31	<0.005	<0.005	--	<0.01	<0.005
	8/18/98	0.48	--	--	--	0.0534	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.0253	<0.005	<0.01	0.0164	<0.005	0.108	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	0.0947	<0.005	0.142	<0.005	<0.005	--	<0.01	<0.005
	1/25/99	0.83	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.032	<0.005	<0.01	0.014	<0.005	0.117	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	0.125	<0.005	0.107	<0.005	<0.005	--	0.00643	<0.005
	7/19/99	0.43	--	--	<0.001	0.0043	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	--	0.029	<0.001	<0.001	0.016	0.0034	0.130	<0.001	<0.001	<0.01	<0.001	--	<0.001	--	--	<0.01	<0.001	<0.001	--	0.078	0.015	0.280	<0.001	<0.001	--	<0.0003	<0.001
	1/10/00	0.9	--	--	<0.005	0.062	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	0.040	<0.005	<0.005	0.020	0.004	0.180	<0.005	<0.005	<0.050	<0.005	--	<0.005	--	--	<0.050	<0.005	<0.005	--	<0.005	0.043	0.130	<0.005	<0.005	--	<0.0025	<0.005
	7/31/00	0.62	--	--	<0.005	0.052	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.051	<0.005	<0.005	0.014	0.0095	0.061	<0.005	<0.005	<0.050	<0.005	<0.005	<0.005	<0.0095	<0.0095	<0.0095	<0.005	<0.005	<0.0095	<0.005	0.089	0.16	<0.005	<0.005	--	0.018	<0.005
MW-2H	8/83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	--	--	--	--	--	--	--
	6/1/93	--	--	--	--	1.8	0.15	<0.005	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/93	--	--	--	--	0.63	0.37	0.11	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/93	--	--	--	--	0.43	0.065	0.019	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/89	--	--	--	--	0.21	0.027	0.024	0.047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/89	--	--	--	--	0.35	<0.005	<0.005	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/89	--	--	--	--	0.83	0.1	0.032	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/89	--	--	--	--	0.51	0.076	0.034	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/90	--	--	--	--	0.35	0.038	0.020	0.026	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/90	--	--	--	--	0.43	0.049	0.024	0.083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/90	--	--	--	--	0.34	0.015	0.02	0.073	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/90	--	--	--	--	0.24	0.012	0.007	0.053	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/91	--	--	--	--	0.5	<0.005	<0.005	0.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/1/91	--	--	--	--	0.53	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/1/91	--	--	--	--	0.37	<0.005	<0.005	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/91	--	--	--	--	0.34	0.01	0.009	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

SEE NOTES AND EXPLANATIONS ON PAGE 9

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 EDCM	10 BCM	11 Chloroform	12 Chloroethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichlorodifluoromethane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 isoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Naphthalene	28 p-IsoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 Cl
	6/1/92	–	–	–	–	0.025	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/92	–	–	–	–	0.35	<0.005	<0.005	0.13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/92	–	–	–	–	1.18	<0.005	<0.005	0.56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/93	–	–	–	–	0.58	0.077	<0.05	0.41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	1.3	0.064	0.8	0.56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/95	–	–	–	–	0.39	<0.005	<0.005	<0.015	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	1.1	0.028	0.13	0.14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	9.0	–	<5	–	0.44	0.043	0.12	0.094	–	–	–	–	0.044	–	–	0.0094	0.0044	0.087	0.00081	–	0.0007	–	–	–	–	–	–	–	–	–	0.058	0.0077	0.11	–	–	–	–	–
	7/31/96	<0.1	–	–	<0.01	0.43	0.03	0.032	0.025	<0.0003	–	<0.0003	–	0.034	<0.0003	<0.0003	0.0094	0.0027	0.098	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	0.11	<0.0003	0.13	–	–	–	<0.0003	–
	12/17/96	3.7	–	–	<0.01	0.11	0.013	0.096	0.121	<0.01	<0.01	<0.01	–	0.039	<0.01	<0.01	<0.01	<0.01	0.17	<0.01	0.031	<0.01	<0.01	–	0.021	–	–	<0.01	<0.01	<0.01	–	0.21	<0.01	0.21	0.14	0.038	–	<0.02	–
	1/21/98	2.6	–	–	<0.005	0.32	0.034	0.087	0.017	<0.005	<0.005	<0.005	–	0.064	<0.005	<0.01	0.01	<0.005	0.1	<0.005	0.019	<0.005	<0.005	–	0.031	–	–	0.011	<0.005	<0.005	–	0.16	0.0053	0.12	0.02	0.012	–	<0.01	<0.005
	8/12/98	2.6	–	–	–	0.44	0.0026	0.03	0.013	<0.005	<0.005	<0.005	–	0.063	<0.005	<0.01	0.0063	<0.005	0.046	<0.005	0.0051	<0.005	<0.005	–	<0.005	–	–	0.011	<0.005	<0.005	–	0.016	<0.005	0.12	<0.005	<0.005	–	<0.01	<0.005
	7/19/99	3.2	–	–	<0.005	0.16	0.029	0.069	0.0546	<0.005	<0.005	<0.005	–	0.063	<0.005	<0.005	0.0093	<0.0025	0.061	<0.005	0.021	<0.05	<0.005	–	0.025	–	–	<0.050	0.005	<0.005	–	0.04	0.012	0.16	0.053	0.015	–	<0.0025	<0.005
	1/12/00	8.1	–	–	<0.005	0.020	0.014	0.053	0.016	<0.005	<0.005	<0.005	–	0.043	<0.005	<0.005	<0.005	<0.0025	0.019	<0.005	0.016	<0.050	<0.005	–	0.015	–	–	<0.050	0.0054	<0.005	–	<0.005	<0.005	0.039	0.032	<0.005	–	<0.0025	<0.005
	8/4/00	2.9	–	–	<0.005	0.578	0.015	0.061	0.021	<0.005	<0.005	<0.005	<0.0005	0.076	<0.005	<0.005	<0.005	<0.0025	0.019	<0.005	0.012	<0.050	<0.005	<0.001	0.013	<0.010	<0.010	<0.020	<0.005	<0.005	<0.010	<0.005	<0.005	0.032	0.033	<0.005	–	<0.0025	<0.005
MW-2??	6/1/88	–	–	–	–	0.013	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/88	–	–	–	–	0.027	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/88	–	–	–	–	0.13	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/89	–	–	–	–	0.04	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/89	–	–	–	–	0.22	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/89	–	–	–	–	0.081	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/89	–	–	–	–	0.17	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/90	–	–	–	–	0.14	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/90	–	–	–	–	0.056	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/90	–	–	–	–	0.045	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/90	–	–	–	–	0.047	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/91	–	–	–	–	0.04	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/91	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/91	–	–	–	–	0.042	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/91	–	–	–	–	0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/92	–	–	–	–	0.035	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/92	–	–	–	–	0.006	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/92	–	–	–	–	0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/92	–	–	–	–	0.03	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/93	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5/1/93	–	–	–	–	0.022	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	5/25/93	–	–	–	–	0.022	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	11/1/93	–	–	–	–	0.032	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/95	–	–	–	–	<0.005	<0.005	<0.005	<0.015	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	0.0053	<0.002	<0.002	<0.002	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	3.1	–	<5	–	0.11	0.0013	0.018	0.037	–	–	–	–	0.051	–	–	0.0073	0.002	0.022	–	–	0.00052	–	–	–	–	–	–	–	–	–	0.0022	0.0053	0.08	–	–	–	–	–
	7/31/96	<0.1	–	–	<0.01	0.0051	<0.002	<0.002	<0.002	<0.0003	–	<0.0003	–	0.03	<0.0003	<0.0003	0.0028	<0.0003	0.014	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	0.0033	<0.0003	0.034	–	–	–	<0.0003	–
	12/16/96	0.37	–	–	0.003	<0.002	<0.002	<0.001	<0.004	<0.002	<0.002	<0.002	–	0.039	<0.002	<0.002	<0.002	<0.002	0.0071	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	–	–	<0.002	<0.002	<0.002	–	<0.002	<0.002	0.045	<0.002	<0.002	–	<0.004	–
	1/20/98	0.19	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.027	<0.005	<0.010	<0.005	<0.005	0.0037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	–	<0.020	<0.005	<0.005	–	<0.005	<0.005	0.048	<0.005	<0.005	–	<0.01	<0.005
	8/21/98	0.017	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.032	<0.005	<0.010	<0.005	<0.005	0.018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	0.063	<0.005	<0.005	–	<0.01	<0.005
	1/26/99	0.22	–	–	<0.005	0.00587	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.0261	<0.005	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	0.0251	<0.005	<0.005	–	<0.01	<0.005
	7/19/99	<0.5	–	–	<0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.033	<0.001	<0.001	<0.001	<0.0005	0.0026	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	–	–	<0.010	<0.001	<0.001	–	<0.001	0.0012	0.012	<0.001	<0.001	–	<0.0005	<0.001
	1/11/00	0.790	–	–	<0.001	0.026	0.0013	0.002	0.0043	<0.001	<0.001	<0.001	–	0.013	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	0.0023	<0.010	<0.001	<0.001	0.0011	–	–	<0.010	<0.001	<0.001	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.013	<0.001
	8/2/00	<0.5	–	–	–	0.031	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	0.086	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	–	<0.0005	<0.001
Well 8	8/4/00	<0.5	–	–	<0.001	0.0028	<0.0046	<0.001	<0.0029	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	–	<0.001	<0.001	<0.001	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	[illegible]	<0.001
(O)PERATION AREA 5: LAKELAND PROPERTY																																							
MW-226 (ABANDONED)	6/1/88	–	–	–	–	5.0	2.4	2.1	4.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/88	–	–	–	–	4.3	1.8	3.8	6.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/88	–	–	–	–	4.3	0.92	2.1	8.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/89	–	–	–	–	2.7	3.2	2.4	12.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/89	–	–	–	–	3.1	1.3	3.3	8.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/89	–	–	–	–	4.6	0.63	2.4	6.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/89	–	–	–	–	3.1	1	3.0	6.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

SEE NOTES AND EXPLANATIONS ON PAGE 9

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 BDCM	10 BCM	11 Chloroform	12 Chloroethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichlorodifluoromethane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP
	3/1/80	–	–	–	–	3.7	1.7	3.6	9.4	–	–	–	–	–	–	–	–	–	–	–
	6/1/80	–	–	–	–	3.7	0.96	2.0	4.3	–	–	–	–	–	–	–	–	–	–	–
	9/1/80	–	–	–	–	8.1	2.1	2.3	6.8	–	–	–	–	–	–	–	–	–	–	–
	12/1/80	–	–	–	–	7.1	2.1	2.4	8.1	–	–	–	–	–	–	–	–	–	–	–
	3/1/81	–	–	–	–	4.9	2.6	2.2	9.5	–	–	–	–	–	–	–	–	–	–	–
	6/1/81	–	–	–	–	5.22	1.08	2.4	6.83	–	–	–	–	–	–	–	–	–	–	–
	9/1/81	–	–	–	–	4.5	2.1	8.8	9.4	–	–	–	–	–	–	–	–	–	–	–
	12/1/81	–	–	–	–	3.4	0.72	2.5	4.74	–	–	–	–	–	–	–	–	–	–	–
	3/1/82	–	–	–	–	3.8	0.47	2.5	4.87	–	–	–	–	–	–	–	–	–	–	–
	6/1/82	–	–	–	–	3.3	0.43	2.1	2.1	–	–	–	–	–	–	–	–	–	–	–
	9/1/82	–	–	–	–	9.5	1.4	3.2	7.3	–	–	–	–	–	–	–	–	–	–	–
	12/1/82	–	–	–	–	13.0	2.0	6.8	11	–	–	–	–	–	–	–	–	–	–	–
	12/1/84	–	–	–	–	8.4	4.9	1.8	9.5	–	–	–	–	–	–	–	–	–	–	–
	3/1/85	–	–	–	–	9.8	0.72	2.8	8.8	–	–	–	–	–	–	–	–	–	–	–
	9/1/85	–	–	–	–	6.2	0.8	1.6	3.6	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	12.8	–	<5	–	0.11	0.016	0.032	0.2	–	–	–	–	–	–	–	–	–	–	–
	7/31/96	23.8	–	–	0.51	0.57	0.11	0.43	0.49	<0.0003	–	<0.0003	–	0.02	<0.0003	<0.0003	0.0088	0.0058	0.012	<0.0003
	12/18/96	8.1	–	–	<0.02	2.2	<0.1	2.2	0.34	<0.1	<0.1	<0.1	–	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	1/21/98	13.0	–	–	<0.005	1.5	0.29	1.6	0.78	<0.005	<0.005	<0.005	–	0.13	<0.005	<0.01	<0.005	<0.005	0.082	<0.005
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS	NS	NS
MW-5R1	3/1/85	–	–	–	–	4.3	0.23	1.0	2.7	–	–	–	–	–	–	–	–	–	–	–
(DESTROYED)	9/1/85	–	–	–	–	3.4	0.27	<0.2	<0.2	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	69.0	–	19.9	–	1.6	0.1	4.80	2.2	–	–	–	–	0.0085	–	–	0.0016	0.0032	0.001	0.0013
	7/31/96	18.0	–	–	0.18	1.7	0.073	0.23	1.1	<0.0003	–	<0.0003	–	0.0072	<0.0003	<0.0003	0.00081	0.0013	<0.0003	0.001
	12/18/96	6.8	–	–	<0.01	2.2	<0.05	0.51	0.63	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	1/21/98	0.85	–	–	<0.005	0.26	<0.005	0.011	0.023	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS	NS	NS
	1/26/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS	NS	NS
MW-5R1A	7/19/99	7.9	–	–	<0.025	1.5	<0.025	<0.025	0.028	<0.025	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.013	<0.013	<0.013
	1/13/00	9.2	–	–	<0.010	1.6	0.018	<0.010	0.023	<0.010	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.005	<0.010	<0.010
	8/2/00	7.1	–	–	–	0.92	0.511	0.013	0.814	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.005	<0.010	<0.010
MW-5R2	6/1/88	–	–	–	–	0.95	0.079	0.063	0.016	–	–	–	–	–	–	–	–	–	–	–
	9/1/88	–	–	–	–	1.3	0.18	2.8	12	–	–	–	–	–	–	–	–	–	–	–
	12/1/88	–	–	–	–	6.8	0.85	1.5	8.8	–	–	–	–	–	–	–	–	–	–	–
	3/1/89	–	–	–	–	8.1	1.8	1.9	7.1	–	–	–	–	–	–	–	–	–	–	–
	9/1/94	–	–	–	–	9.8	0.86	1.9	3.3	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	8.4	1.4	1.6	8.8	–	–	–	–	–	–	–	–	–	–	–
	3/1/95	–	–	–	–	20.0	0.43	2.1	7.5	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	18.0	0.69	3.2	6.8	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	220.0	–	41.1	–	6.9	0.95	3.2	8.5	–	–	–	–	0.0069	–	–	0.00090	0.0061	–	–
	3/31/96	110.0	–	–	1.8	13.0	0.4	1.6	6.8	<0.0003	–	<0.0003	–	0.0068	<0.0003	<0.0003	<0.0003	0.012	0.00076	<0.0003
	12/18/96	28.0	–	–	<0.01	11.0	<0.5	2.1	0.57	<0.5	<0.5	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/22/98	24.0	–	–	78.0	7.8	0.13	1.2	0.921	<0.025	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
	8/10/98	86.0	–	–	290.0	12.0	0.2	1.4	0.993	<0.005	<0.005	<0.005	–	0.01	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
	1/26/99	120.0	–	–	319.0	6.8	0.0594	1.03	0.534	<0.005	<0.005	<0.005	–	0.0104	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
	7/10/99	48.0	–	–	93.0	11.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	–	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0	<5.0
	1/13/00	25.0	–	–	8.7	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	–	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0
	8/2/00	23.0	–	–	4.5	6.2	0.1	0.25	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.050	<0.1	<0.1
MW-5R3	6/1/88	–	–	–	–	4.6	0.14	0.34	0.6	–	–	–	–	–	–	–	–	–	–	–
(ABANDONED)	9/1/88	–	–	–	–	0.8	0.23	0.3	0.91	–	–	–	–	–	–	–	–	–	–	–
	12/1/88	–	–	–	–	1.5	0.57	0.33	0.96	–	–	–	–	–	–	–	–	–	–	–
	3/1/89	–	–	–	–	0.4	0.19	0.36	0.75	–	–	–	–	–	–	–	–	–	–	–
	6/1/89	–	–	–	–	0.6	0.14	0.63	1.2	–	–	–	–	–	–	–	–	–	–	–
	9/1/89	–	–	–	–	0.80	0.83	0.2	0.83	–	–	–	–	–	–	–	–	–	–	–
	12/1/89	–	–	–	–	0.27	0.12	0.18	0.56	–	–	–	–	–	–	–	–	–	–	–
	2/1/90	–	–	–	–	0.11	0.14	0.14	0.23	–	–	–	–	–	–	–	–	–	–	–
	6/1/90	–	–	–	–	0.034	0.024	0.11	0.19	–	–	–	–	–	–	–	–	–	–	–
	9/1/90	–	–	–	–	0.17	0.21	0.14	0.27	–	–	–	–	–	–	–	–	–	–	–
	12/1/90	–	–	–	–	2.2	1.5	0.2	3.2	–	–	–	–	–	–	–	–	–	–	–
	3/1/91	–	–	–	–	0.9	0.65	0.25	2	–	–	–	–	–	–	–	–	–	–	–

Monitoring Well ID	Date	20 isoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Naphthalene	28 p-IsoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB
	3/1/80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/80	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/81	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/81	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/81	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/81	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/84	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7/31/96	–	<0.0003	–	–	–	–	–	–	–	–	–	<0.0003	<0.0003	0.0024	–	–	–	<0.0003	–
	12/18/96	<0.1	<0.1	<0.1	–	0.12	–	–	0.13	<0.1	<0.1	–	<0.1	<0.1	<0.1	0.19	0.14	–	<0.2	–
	1/21/98	0.085	<0.005	0.017	–	0.32	–	–	0.099	0.005	0.011	–	<0.005	<0.005	<0.005	0.035	0.012	–	<0.01	0.05
	8/20/98	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5R1	3/1/85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]
(DESTROYED)	9/1/85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	–	0.001	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7/31/96	–	<0.0003	–	–	–	–	–	–	–	–	–	<0.0003	<0.0003	0.00039	–	–	–	<0.0003	–
	12/18/96	0.092	<0.05	<0.05	–	0.2	–	–	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.05	0.31	0.13	–	<0.1	–
	1/21/98	<0.005	<0.005	<0.005	–	0.0061	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	0.0093	<0.005	–	<0.01	<0.005
	8/20/98	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/26/99	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5R1A	7/19/99	0.041	<0.25	<0.025	–	0.032	–	–	<0.25	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.025	–	<0.013	<0.025
	1/13/00	0.034	<0.100	<0.010	–	0.042	–	–	<0.100	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.010	–	<0.005	<0.010
	8/2/00	0.085	<0.100	<0.010	<0.010	0.150	0.894	0.140	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	–	<0.005	<0.010
MW-5R2	6/1/88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/89	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/94	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	0.0011	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/31/96	–	<0.0003	–	–	–	–	–	–	–	–	–	<0.0003	<0.0003	0.00052	–	–	–	<0.0003	–
	12/18/96	<0.5	<0.5	<0.5	–	<0.5	–	–	<0.5	<0.5	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	–	<1	–
	1/22/98	0.09	<0.025	<0.025	–	0.18	–	–	0.33	<0.025	<0.025	–	<0.025	<0.025	<0.025	0.3	0.57	–	<0.05	<0.025
	8/10/98	0.067	<0.005	0.016	–	0.14	–	–	0.23	<0.005	0.07	–	<0.005	<0.005	<0.005	0.34	0.86	–	<0.01	<0.005
	1/26/99	0.0767	<0.005	<0.005	–	0.133	–	–	0.255	<0.005	0.0191	–	<0.005	<0.005	<0.005	0.179	0.0471	–	<0.01	<0.005
	7/10/99	<5.0	<50.0	<5.0	–	<5.0	–	–	<50.0	<5.0	<5.0	–	<5.0	<5.0	<5.0	<5.0	<5.0	–	<2.5	<5
	1/13/00	<1.0	<10	<1.0	–	<1.0	–	–	<10	<1.0	<1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	–	<0.5	<1.0
	8/2/00	<1.0	<0.1	<0.1	<0.1	0.119	0.030	0.045	0.16	<0.1	<0.1	0.000	<0.1	<0.1	<0.1	<0.1	<0.1	–	<0.050	<0.1
MW-5R3	6/1/88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]
(ABANDONED)	9/1/88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/89	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/89	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/89	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/89	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2/1/90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	6/1/90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3/1/91	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

SEE NOTES AND EXPLANATIONS ON PAGE 9
[illegible]/Table 2

TABLE 2
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 BDCM	10 BCM	11 Chloroform	12 Chloroethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichlorodifluoromethane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 isoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Napthalene	28 p-isoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB
	6/1/91	–	–	–	–	1.04	0.7	0.33	1.23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/92	–	–	–	–	3.3	0.75	0.34	1.58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4/1/93	–	–	–	–	3.9	0.4	<0.25	1.88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/1/94	–	–	–	–	0.34	0.023	0.066	0.079	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2/1/95	–	–	–	–	0.39	0.033	0.1	0.19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	9/1/95	–	–	–	–	0.53	0.093	0.33	0.18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	8.3	–	<5.0	–	0.34	0.079	0.19	0.3	–	–	–	–	0.028	–	–	0.015	0.0065	0.12	0.00072	–	0.001	–	–	–	–	–	–	–	–	–	–	0.0012	0.025	–	–	–	0.0014	–
	7/31/96	8.1	–	–	<0.01	0.15	0.049	0.025	0.094	<0.0003	–	<0.0003	–	0.036	<0.0003	<0.0003	0.015	0.0031	0.15	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	0.09	<0.0003	0.13	–	–	–	<0.0003	–
	12/18/96	4.6	–	–	<0.02	0.11	0.019	0.14	0.056	<0.01	<0.01	<0.01	–	0.04	<0.01	<0.01	<0.01	<0.01	0.32	<0.01	0.044	<0.01	<0.01	–	0.049	–	–	0.028	<0.01	0.012	–	0.014	<0.01	0.27	0.063	0.033	–	<0.02	–
	1/21/98	3.1	–	–	<0.005	0.21	0.031	0.18	0.063	<0.005	<0.005	<0.005	–	0.067	<0.005	<0.01	0.0096	<0.005	0.21	<0.005	0.053	<0.005	0.006	–	0.062	–	–	0.037	<0.005	0.013	–	<0.005	0.027	0.46	0.0053	0.014	–	<0.01	<0.005
	8/19/98	0.96	–	–	–	0.072	0.0079	0.053	0.0076	<0.005	<0.005	<0.005	–	0.041	<0.005	<0.01	<0.005	<0.005	0.037	<0.005	0.011	<0.005	<0.005	–	0.014	–	–	0.0053	<0.005	<0.005	–	<0.005	0.071	0.063	0.005	<0.005	–	<0.01	<0.005
MW-501B	2/9/99	10.0	–	–	–	0.97	<0.05	0.42	<0.05	<0.05	<0.05	<0.05	–	0.11	<0.05	<0.1	<0.05	<0.05	0.061	<0.05	0.05	<0.05	<0.05	–	0.084	–	–	<0.05	<0.05	<0.05	–	<0.05	0.18	<0.05	<0.05	<0.05	–	<0.1	<0.05
	7/19/99	7.8	–	–	<0.02	0.63	<0.02	0.54	<0.02	<0.02	<0.02	<0.02	–	0.18	<0.02	<0.02	<0.02	<0.01	0.023	<0.02	0.073	<0.2	<0.02	–	0.130	–	–	<0.200	<0.020	0.029	–	<0.05	0.35	0.025	<0.02	<0.02	–	<0.01	<0.02
	1/14/00	14.0	–	–	<0.020	1.8	0.033	0.870	0.140	<0.020	<0.020	<0.020	–	0.210	<0.020	<0.020	<0.020	<0.010	0.090	<0.020	0.033	<0.200	<0.020	–	0.170	–	–	<0.200	<0.020	<0.020	–	<0.020	0.180	<0.020	<0.020	<0.020	–	<0.010	<0.02
	8/4/00	5.6	–	–	<0.010	0.61	0.019	0.5	0.035	<0.010	<0.010	<0.010	<0.010	0.140	<0.010	<0.010	<0.010	<0.005	0.036	<0.010	0.062	<0.010	<0.010	<0.010	0.1	<0.010	<0.010	0.028	<0.010	0.014	<0.010	<0.010	0.16	<0.010	<0.010	<0.010	–	<0.005	<0.010
PERATION AREA 6: FORMER AST AREA AT WALKER PROPERTY																																							
W-3	11/1/89	–	<1	–	–	0.019	0.0026	0.0076	0.013	<0.0005	<0.0005	<0.0005	–	–	–	–	0.0025(A)	<0.0005	<0.0005	<0.0005	–	<0.0005	–	–	–	–	–	–	–	–	–	<0.0005	<0.0005	<0.0005	–	–	–	0.0071(A)	<0.0005
(ABANDONED)	1/1/90	–	–	–	–	<0.0005	<0.0005	<0.0005	0.0033	<0.001	<0.001	<0.0005	–	–	<0.002	<0.001	0.001	<0.0005	<0.0005	<0.0005	–	<0.002	–	–	–	–	–	–	–	–	–	<0.0005	<0.001	<0.0005	–	–	–	<0.002	<0.001
	3/1/90	–	–	–	–	0.0053	0.0045	<0.0005	<0.002	<0.001	<0.001	<0.0005	–	–	<0.002	<0.002	0.0005	<0.0005	<0.0005	<0.0005	–	<0.002	–	–	–	–	–	–	–	–	–	<0.0005	<0.001	<0.0005	–	–	–	<0.002	<0.001
	4/1/90*	–	–	–	–	0.0034	0.0045	<0.001	<0.001	<0.001	<0.001	<0.0005	–	<0.005	<0.002	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	–	<0.002	–	–	–	–	–	–	–	–	–	<0.0005	<0.001	<0.0005	–	–	–	[illegible]	<0.001
	12/18/96	1.3	–	–	<0.01	0.59	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	–	<0.025	–	–	<0.025	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.025	–	[illegible]	–
	1/13/98	2.2	–	–	<0.005	0.23	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	0.006	<0.005	<0.005	<0.005	0.027	<0.005	<0.005	–	0.016	–	–	<0.01	<0.005	0.006	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.031	<0.005
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
W-3A	1/13/98	4300.0	–	–	<200	150	<5	23	<12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	8/20/98	1.1	–	–	0.44	0.13	<0.025	0.033	<0.025	<0.025	<0.025	<0.025	–	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	–	<0.025	–	–	0.35	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.025	–	<0.05	<0.025
	1/28/99	0.69	–	–	0.34	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.05	–	–	0.34	<0.05	<0.05	–	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.1	<0.05
	7/19/99	8.4	–	–	0.38	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	–	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	0.021	<0.2	0.025	–	0.026	–	–	<0.2	<0.02	<0.02	–	<0.02	<0.02	<0.02	0.037	<0.02	–	<0.01	<0.02
	1/13/00	14.0	–	–	0.219	0.143	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.005	<0.010	<0.010	<0.010	<0.100	<0.010	–	<0.010	–	–	<0.100	<0.010	<0.010	–	<0.010	<0.010	<0.010	<0.010	<0.010	–	0.007	<0.010
	8/4/00	3.4	–	–	0.229	0.179	<0.020	0.0084	<0.020	<0.020	<0.020	<0.020	0.0024	<0.020	<0.020	<0.020	<0.020	<0.001	<0.020	<0.020	0.014	<0.020	0.0097	<0.002	0.021	0.470	0.740	<0.050	<0.002	0.0073	<0.050	<0.002	<0.002	<0.002	0.002	0.002	–	0.0058	<0.002
F-SITE WELLS: WALKER PROPERTY																																							
W-1	11/1/89	–	<1	3.6	–	0.39	0.0039	0.0021	0.0064	<0.0005	<0.0006	<0.0005(A)	–	–	–	–	0.0035(A)	<0.0005(A)	0.0006(A)	<0.0005(A)	–	<0.0005(A)	–	–	–	–	–	–	–	–	–	<0.0005(A)	<0.0005(A)	<0.0005(A)	–	–	–	0.021	<0.0005
	3/1/90	–	–	–	–	0.14	<0.005	<0.005	<0.02	<0.01	<0.01	<0.005	–	–	<0.020	<0.020	<0.005	<0.005	<0.005	<0.005	–	<0.02	–	–	–	–	–	–	–	–	–	<0.005	<0.01	<0.005	–	–	–	<0.02	<0.01
	4/1/90*	–	–	–	–	0.3	0.012	0.013	0.0027	<0.005	<0.005	<0.005	–	<0.025	<0.020	<0.020	0.0016	<0.005	<0.005	<0.005	–	<0.005	–	–	–	–	–	–	–	–	–	<0.005	<0.005	<0.005	–	–	–	<0.005	<0.005
	12/18/96	0.3	–	–	<0.01	0.078	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.027	<0.005	<0.005	–	0.031	–	–	0.02	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	–
	1/14/98	1.1	–	–	<0.005	0.063	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.019	<0.005	<0.005	–	0.02	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.016	<0.005
	8/20/98	1.3	–	–	0.014	0.079	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.0086	<0.005	<0.01	0.0084	<0.005	<0.005	<0.005	0.027	<0.005	<0.005	–	0.03	–	–	<0.01	<0.005	0.009	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.026	<0.005
	1/29/99	1.4	–	–	<0.005	0.097	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.024	<0.005	<0.005	–	0.023	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.018	<0.005
	7/19/99	1.8	–	–	<0.002	0.048	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	–	<0.002	<0.002	<0.002	<0.002	<0.001	<0.002	<0.002	0.019	<0.020	0.0027	–	0.023	–	–	<0.02	<0.002	0.0044	–	<0.002	<0.002	<0.005	<0.002	<0.002	–	<0.001	<0.002
	1/13/00	1.7	–	–	0.0027	0.066	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0012	<0.001	<0.001	0.0018	<0.0005	<0.001	<0.001	0.021	<0.010	0.0027	–	0.024	–	–	<0.010	<0.001	0.0039	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.013	<0.001
	8/3/00	0.830	–	–	0.018	0.020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0016	<0.001	<0.001	0.0016	<0.0005	<0.001	<0.001	0.018	<0.010	0.0020	<0.001	0.018	0.041	0.047	<0.010	<0.001	0.0032	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0073	<0.001
W-2	11/1/89	–	<1	–	–	0.078	0.0063	0.0065	0.005	<0.0005	<0.0005	<0.0005(A)	–	–	–	–	0.0043(A)	<0.0005(A)	<0.0005(A)	<0.0005(A)	–	<0.0005(A)	–	–	–	–	–	–	–	–	–	<0.0005(A)	<0.0005(A)	<0.0005(A)	–	–	–	0.075(A)	<0.0005
(ABANDONED)	3/1/90	–	–	–	–	0.062	<0.0005	<0.0005	<0.002	<0.001	<0.001	<0.0005	–	–	<0.002	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	–	<0.002	–	–	–	–	–	–	–	–	–	<0.0005	<0.001	<0.0005	–	–	–	<0.002	<0.001
	4/1/90	–	–	–	–	0.003	0.026	0.004	0.0018	<0.005	<0.005	<0.0025	–	0.013	<0.001	<0.01	0.003	<0.0025	<0.0025	<0.0025	–	<0.005	–	–	–	–	–	–	–	–	–	<0.0025	<0.005	<0.0025	–	–	–	0.0059	<0.001
	12/18/96	0.66	–	–	<0.002	0.036	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	–	0.013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.018	<0.002	<0.002	–	0.012	–	–	<0.002	<0.002	<0.002	–	<0.002	<0.002	<0.002	<0.002	<0.002	–	0.011	–
	1/14/98	0.7	–	–	<0.005	0.023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.017	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.018	<0.005	<0.005	–	0.006	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.027	<0.005
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
W-4	2/1/90	–	–	–	–	0.12	<0.0005	0.019	<0.0005	<0.0005	<0.0005	<0.0005	–	0.0032	<0.0005	<0.0005	0.0083	<0.0005	<0.0005	<0.0005	–	<0.0005	–	–	–	–	–	–	–	–	–	<0.0005	<0.0005	<0.0005	–	–	–	[illegible]	<0.0005
	4/1/90	–	–	–	–	0.028	0.0014	0.0042	0.0022	<0.001	<0.001	<0.001	–	0.00281	<0.001	<0.0005	0.0022	<0.001	<0.001	<0.001	–	<0.002	–	–	–	–	–	–	–	–	–	<0.001	<0.001	<0.001	–	–	–	0.0043	<0.001
	12/18/96	0.42	–	–	<0.01	0.08	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.010	<0.005	<0.005	–	0.018	–	–	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	–
	1/14/98	0.92	–	–	<0.005	0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.028	<0.005	<0.005	–	0.027	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.016	<0.005
	8/20/98	0.8	–	–	0.018	0.037	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.026	<0.005	<0.005	–	0.026	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.0092	<0.005
	1/29/99	0.46	–	–	0.02	0.055	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.018	<0.005	<0.005	–	0.016	–	–	<0.01	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.011	<0.005
	7/19/99	0.71	–	–	<0.002	0.073	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	–	<0.002	<0.002	<0.002	<0.002	<0.001	<0.002	<0.002	0.014	<0.02	<0.002	–	0.015	–	–	<0.02	<0.002	0.0027	–	<0.002	<0.002	<0.005	<0.002	<0.002	–	<0.001	<0.002
	1/13/00	0.66	–	–	<0.001	0.049	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0013	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	0.0028	<0.010	<0.001	–	0.0016	–	–	<0.010	<0.001	0.0014	–	<0.001	<0.001	<0.010	<0.001	<0.001	–	0.013	<0.001
	8/3/00	<0.5	–	–	–	0.047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	0.0028	<0.010	<0.001	<0.001	0.0023	<0.010	<0.010	<0.010	<0.001	0.0015	<0.010	<0.001	0.0012	<0.010	<0.001	<0.001	–	0.012	<0.001
SW-1	11/1/89	9.8	–	–	–	0.73	0.016	1.4(A)	1(A)	<0.005	<0.005	<0.005	–	–	–	–	<0.005	<0.005	<0.005	<0.005	–	<0.005	–		–	–	–	–	–	–	–	<0.005	0.0098	<0.005	–	–	–	0.029	<0.005
	3/1/90	–	–	–	–	1.8	0.3	1.8	0.62	<0.05	<0.05	<0.025	–	–	<0.1	<0.1	<0.025	<0.025	<0.025	<0.025	–	<0.1	–	–	–	–	–	–	–	–	–	<0.025	<0.05	<0.025	–	–	–	<0.1	<0.05

SEE NOTES AND EXPLANATIONS ON PAGE 9

TABLE 3
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 BDCM	10 BCM	11 Chloroform	12 Chloro ethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichloro-difluoro methane	16 1,1-DCA	17 1,2-DCA
	4/1/90	–	–	–	–	1.3	0.39	1.4	3.0	<0.02	<0.02	<0.02	–	0.011	<0.002	<0.02	<0.01	<0.01
	8/21/98	8.0	–	–	<0.05	0.33	<0.05	0.63	9.17	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.1	<0.05	<0.05
	1/28/99	7.9	–	–	<0.05	0.11	<0.05	0.54	0.17	<0.05	<0.05	<0.05	–	<0.05	<0.05	<0.1	<0.05	<0.05
	7/19/99	8.0	–	–	<0.025	0.11	<0.025	1.0	0.34	<0.025	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	<0.013
	1/13/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/31/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OFF-SITE WELLS: METROPOLITAN STATE HOSPITAL																		
MW-400	8/1/90	338.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
(ABANDONED)	2/20/91	0.0502	–	–	–	18.0	9.2	1.3	9.9	–	–	–	–	–	–	–	–	–
	12/13/95	3300.0	–	912.0	–	23.0	40.0	18.0	101.0	–	–	–	–	–	–	–	–	–
	8/1/96	210.0	–	–	<0.01	14.0	18.0	2.5	20.0	<0.001	–	<0.001	–	0.0033	<0.001	<0.001	0.00036	0.0035
	12/19/96	87.0	–	–	<0.01	14.0	15.0	1.8	9.1	<0.5	<0.5	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5
	1/22/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
	1/28/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
MW-400A	7/19/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
	1/20/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
	7/31/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-401	8/1/90	368.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
(ABANDONED)	2/20/91	0.024	–	–	–	12.0	4.9	1.9	11.2	–	–	–	–	–	–	–	–	–
	12/13/95	3500.0	–	1110.0	–	28.0	17.0	130.0	100.0	–	–	–	–	–	–	–	–	–
	8/1/96	250.0	–	–	<0.01	12.0	1.4	4.6	16.0	<0.001	–	<0.001	–	0.0044	<0.001	<0.001	0.0014	0.0029
	12/19/96	70.0	–	–	<0.01	18.0	<0.5	1.4	4.0	<0.5	<0.5	<0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5
	1/22/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
	8/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
	1/28/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	–	NS	NS	NS	NS	NS
MW-401A	7/19/99	42.0	–	–	11.0	18.0	<5	<5	<5	<5	<5	<5	–	<5	<5	<5	<5	<2.5
	1/13/00	48.0	–	–	23.0	23.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	–	<1.0	<1.0	<1.0	<0.5	<1.0
	8/3/00	34.0	–	–	8.60	21.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10
MW-403	12/1/95	<0.5	–	<10	–	0.00098	0.0014	0.00082	0.0033	–	–	–	–	–	–	–	–	–
	7/30/96	<0.1	–	–	0.003	0.0006	<0.0005	0.0014	<0.0005	0.0026	–	<0.0003	–	0.0064	<0.0003	<0.0003	0.0039	0.0095
	12/16/96	<0.1	–	–	<0.002	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005
	1/22/98	<0.1	–	–	<0.005	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.009	<0.005	<0.01	0.005	<0.005
	8/10/98	<0.1	–	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	0.029
	1/27/99	<0.1	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	0.0053	<0.005	<0.01	<0.005	0.039
	7/19/99	<0.5	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0074	0.0021	<0.001	0.003	0.04
	1/11/00	<0.5	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0064	<0.001	<0.001	0.0036	0.014
	7/31/00	<0.5	–	–	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0093	<0.001	<0.001	0.0067	0.0072
MW-404	12/20/95	1.9	–	<10	–	0.16	0.0033	0.0078	0.021	–	–	–	–	–	–	–	–	–
	7/30/96	9.9	–	–	0.0124	0.073	0.0078	<0.0005	0.009	<0.0003	–	<0.0003	–	0.00098	<0.0003	<0.0003	0.0017	0.0011
	12/17/96	0.71	–	–	<0.002	0.007	<0.002	<0.002	<0.004	<0.002	<0.003	<0.002	–	<0.002	<0.002	<0.002	<0.002	<0.002
	1/22/98	0.41	–	–	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005
	8/19/98	0.37	–	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005
	1/27/99	0.33	–	–	<0.005	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005
	7/19/99	0.530	–	–	<0.001	0.014	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	–	0.0042	<0.001	<0.001	<0.001	<0.0005
	1/11/00	0.750	–	–	<0.001	0.021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	–	0.0039	<0.001	<0.001	<0.001	0.00099
	8/3/00	0.640	–	–	0.030	0.190	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0087	<0.001	<0.001	<0.001	<0.0005
MW-405	12/20/95	<1.0	–	–	–	0.01	<0.0005	<0.0005	0.0049	–	–	–	–	–	–	–	–	–
	7/31/96	<0.1	–	–	<0.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0003	–	<0.0003	–	<0.0003	<0.0003	<0.0003	0.0012	<0.0003
	12/16/96	<0.1	–	–	<0.002	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	–	<0.001	<0.001	<0.001	<0.001	<0.001
	1/22/98	<0.1	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005
	8/19/98	<0.1	–	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005
	1/28/99	<0.1	–	–	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	<0.005	<0.01	<0.005	<0.005

Monitoring Well ID	Date	18 1,1-DCE	19 1,2-DCP	20 iso-PB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Napthalene	28 p-IsoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,2-DCE	33 TCE	34 1,2,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB
	4/1/90	<0.01	<0.01	–	<0.003	–		–	–	–	–	–	–	–	<0.003	0.02	<0.01	–	–	–	<0.02	<0.01
	8/21/98	<0.05	<0.05	0.3	<0.05	<0.05		0.17	–	–	0.18	<0.05	<0.05	–	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.1	<0.05
	1/28/99	<0.05	<0.05	0.17	<0.05	<0.05		0.15	–	–	0.13	<0.05	<0.05	–	<0.05	<0.05	<0.05	<0.05	<0.05	–	<0.1	<0.05
	7/19/99	<0.025	<0.025	0.3	<0.25	<0.025	–	0.16	–	–	<0.25	<0.025	<0.025	–	<0.025	<0.025	<0.025	<0.025	0.025	–	<0.013	<0.025
	1/13/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/31/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OFF-SITE WELLS: METROPOLITAN STATE HOSPITAL																						
MW-400	8/1/90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
(ABANDONED)	2/20/91	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	12/13/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	8/1/96	<0.001	<0.001	–	<0.003	–	–	–	–	–	–	–	–	–	<0.001	<0.001	0.00051	–	–	–	<0.001	–
	12/19/96	<0.5	<0.5	<0.5	<0.5	<0.5	–	<0.5	–	–	<0.5	<0.5	<0.5	–	<0.5	<0.5	<0.5	1.8	0.58	–	<1	–
	1/22/98	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/20/98	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/28/99	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-400A	7/19/99	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/20/00	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/31/00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-401	8/1/90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]
(ABANDONED)	2/20/91	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]
	12/13/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	[illegible]
	8/1/96	<0.001	0.00083	–	<0.001	–	–	–	–	–	–	–	–	–	<0.001	<0.001	0.00051	–	–	–	0.0019	–
	12/19/96	<0.5	<0.5	<0.5	<0.5	<0.5	–	<0.5	–	–	<0.5	<0.5	<0.5	–	<0.5	<0.5	<0.5	1.1	<0.5	–	<1	–
	1/22/98	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/20/98	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/28/99	NS	NS	NS	NS	NS	–	NS	–	–	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-401A	7/19/99	<5	<5	<5	<50	<5	–	<5	–	–	<50	<5	<5	–	<5	<5	<5	<5	<5	–	<2.5	<5
	1/13/00	<1.0	<1.0	<1.0	<10.0	<1.0	–	<1.0	–	–	<10.0	<1.0	<1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	–	<0.5	<1.0
	8/3/00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.015	0.025	0.069	<0.20	<0.20	<0.010	<0.20	<0.20	<0.20	<0.20	<0.20	–	<0.1	<0.20
MW-403	12/1/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7/30/96	0.03	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	0.053	<0.005	0.056	–	–	–	0.00043	–
	12/16/96	0.034	<0.001	<0.005	0.006	<0.005	–	<0.005	–	–	<0.005	<0.005	<0.005	–	0.037	<0.005	0.056	<0.005	<0.005	–	<0.01	–
	1/22/98	0.063	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	0.089	<0.005	0.089	<0.005	<0.005	–	<0.01	<0.005
	8/10/98	0.014	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	0.013	<0.005	0.031	<0.005	<0.005	–	<0.01	<0.005
	1/27/99	0.019	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	0.025	<0.005	0.042	<0.005	<0.005	–	<0.01	<0.005
	7/19/99	0.031	<0.001	<0.001	<0.010	<0.010	–	<0.001	–	–	<0.010	<0.001	<0.001	–	0.037	<0.001	0.042	<0.001	<0.001	–	<0.0005	<0.001
	1/11/00	0.039	<0.001	<0.001	<0.010	<0.001	–	<0.001	–	–	<0.010	<0.001	<0.001	–	0.056	<0.001	0.074	<0.001	<0.001	–	<0.0005	<0.001
	7/31/00	0.088	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.011	<0.011	<0.011	<0.001	<0.001	<0.011	0.095	<0.001	0.119	<0.001	<0.001	–	0.00071	<0.001
MW-404	12/20/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7/30/96	<0.0003	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	<0.0003	<0.0003	<0.0005	–	–	–	<0.0005	–
	12/17/96	<0.002	<0.002	0.0057	<0.002	<0.002	–	0.0036	–	–	<0.002	<0.002	0.0022	–	<0.0020	<0.002	<0.002	<0.002	<0.002	–	<0.004	–
	1/22/98	<0.005	<0.005	0.007	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	–
	8/19/98	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	<0.005
	1/27/99	<0.005	<0.005	0.0064	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	<0.005
	7/19/99	<0.001	<0.001	0.0049	<0.010	<0.001	–	0.0013	–	–	<0.010	<0.001	0.0026	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	<0.0005	<0.001
	1/11/00	<0.001	<0.001	0.033	<0.010	<0.001	–	0.0082	–	–	<0.010	<0.001	0.0043	–	<0.001	<0.001	<0.001	<0.001	<0.001	–	<0.0005	<0.001
	8/3/00	<0.001	<0.001	0.019	<0.010	<0.001	<0.001	0.0011	<0.010	<0.010	<0.010	<0.001	0.0056	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	–	–	[illegible]
MW-405	12/20/95	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	7/31/96	0.0043	<0.0003	–	<0.0003	–	–	–	–	–	–	–	–	–	0.013	<0.0005	0.013	–	–	–	<0.0003	–
	12/16/96	<0.001	<0.001	<0.001	<0.001	<0.001	–	<0.001	–	–	<0.003	<0.001	<0.003	–	0.011	<0.001	2	<0.001	<0.001	–	<0.002	–
	1/22/98	0.006	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	0.014	<0.005	0.032	<0.005	<0.005	–	<0.01	<0.005
	8/19/98	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	<0.005
	1/28/99	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.005	–	–	<0.010	<0.005	<0.005	–	<0.005	<0.005	<0.005	<0.005	<0.005	–	<0.01	<0.005

SEE NOTES AND EXPLANATIONS ON PAGE 9

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TABLE 1
SUMMARY OF TOTAL HYDROCARBONS, BTEX, MTBE, AND VOLATILE ORGANIC COMPOUNDS (VOC) (MG/L)
CENCO REFINING COMPANY
SANTA FE SPRINGS, CALIFORNIA

Monitoring Well ID	Date	1 TPH-g	2 TPH-d	3 TRPH	4 MTBE	5 B	6 T	7 E	8 X	9 BDCM	10 BCM	11 Chloroform	12 Chloro ethane	13 c-1,2-DCE	14 1,2-DCB	15 Dichloro-difluoro methane	16 1,1-DCA	17 1,2-DCA	18 1,1-DCE	19 1,2-DCP	20 IsoPB	21 MC	22 n-BB	23 t-BB	24 n-PB	25 1m naphthalene	26 2m naphthalene	27 Naphthalene	28 p-isoPT	29 sec-BB	30 Phenol	31 PCE	32 t-1,3-DCE	33 TCE	34 1,3,4-TMB	35 1,3,5-TMB	36 TOX	37 VC	38 CB[7]
	7/19/99	<0.5	--	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.010	<0.001	<0.001	--	0.0016	0.0033	<0.001	<0.001	<0.001	--	<0.0005	<0.001
	1/1/00	<0.5	--	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	0.001	<0.0005	0.0035	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.010	<0.001	<0.001	--	0.007	<0.001	0.036	<0.001	<0.001	--	<0.0005	<0.001
	3/2/00	<0.5	--	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0016	<0.0005	0.0046	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.001	<0.001	<0.010	0.032	<0.001	0.034	<0.001	<0.001	--	<0.01	<0.001
MW-6M	12/19/95	<0.5	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/96	<0.1	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	0.00036	--	0.00054	--	<0.0005	<0.0005	<0.0005	<0.0005	0.00096	<0.0005	<0.0005	--	<0.0005	--	--	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	--	--	--	<0.0005	--
	12/16/96	<0.1	--	--	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	--	--	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.002	--
	1/22/98	<0.1	--	--	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.010	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	8/19/98	0.17	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.010	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	1/28/99	<0.1	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.010	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	7/19/99	<0.5	--	--	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.010	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.0005	<0.001
	1/1/00	<0.5	--	--	0.0012	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	--	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	--	<0.001	--	--	<0.010	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.0005	<0.001
	3/2/00	<0.5	--	--	--	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.0005	<0.001
MW-6M	12/19/95	1.1	--	31	--	0.033	0.035	0.0017	0.0094	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/31/96	0.9	--	--	0.012	0.019	0.005	0.0020	0.008	<0.0003	--	<0.0003	--	<0.0003	<0.0003	<0.0003	0.00068	<0.0003	<0.0003	<0.0003	--	<0.0003	--	--	--	--	--	--	--	--	--	<0.0003	<0.0003	<0.0003	--	--	--	0.0011	--
	12/17/96	1.8	--	--	<0.002	0.021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.018	<0.001	0.0023	--	0.037	--	--	0.002	<0.001	0.0036	--	<0.001	<0.001	<0.001	<0.001	0.0017	--	<0.002	--
	1/22/98	1.2	--	--	0.490	0.320	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	--	<0.025	<0.025	<0.05	<0.025	0.22	<0.025	<0.025	<0.025	<0.025	<0.025	--	0.035	--	--	<0.05	<0.025	<0.025	--	<0.025	<0.025	<0.025	<0.025	<0.025	--	<0.05	<0.025
	8/19/98	0.26	--	--	0.012	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	<0.01	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	1/27/99	1.76	--	--	0.0062	0.320	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	0.018	<0.005	<0.005	--	0.026	--	--	<0.01	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.01	<0.005
	7/19/99	1.3	--	--	<0.005	0.260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.0025	<0.005	<0.005	0.013	<0.05	0.0059	--	0.01	--	--	<0.05	<0.005	0.0053	--	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.0025	<0.005
	1/1/00	1.2	--	--	0.0045	0.170	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	--	<0.002	<0.002	<0.002	<0.002	<0.001	<0.002	<0.002	0.0086	<0.01	<0.001	--	0.0073	--	--	<0.02	<0.001	0.0035	--	<0.001	<0.002	<0.002	<0.001	<0.002	--	[illegible]	<0.002
	7/31/00	0.54	--	--	0.0043	0.110	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.002	<0.002	0.0073	<0.01	<0.001	<0.001	0.0038	<0.011	<0.011	<0.011	<0.001	0.0041	<0.011	<0.002	<0.001	<0.001	<0.002	<0.001	--	[illegible]	[illegible]
MW-A (ABANDONED)	2/2/91	0.0490	--	--	--	17	14	1.8	12.5	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25
MW-B (ABANDONED)	2/25/91	<1	--	--	--	3.5	0.63	0.18	0.657	--	--	--	--	--	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0005
MW-1 (ABANDONED)	2/18/91	11	--	--	--	9.3	2.4	1.5	8.7	--	--	--	--	--	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.05
MW-C (ABANDONED)	2/1/95	0.06	--	--	--	0.0006	0.014	<0.0003	0.0037	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/95	<0.05	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/95	<0.5	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/95	<0.5	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/96	<0.5	--	--	--	<0.0005	<0.0003	<0.0003	<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/96	<0.5	--	--	<0.02	<0.0005	<0.0003	<0.0003	<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-D (ABANDONED)	2/1/95	<0.05	--	--	--	<0.0005	0.0006	<0.0005	0.0016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/95	<0.05	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/95	<0.5	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/95	<0.5	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/96	<0.5	--	--	--	<0.0005	<0.0003	<0.0003	<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/96	<0.5	--	--	<0.02	<0.0005	<0.0003	<0.0003	<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-E (ABANDONED)	2/1/95	0.04	--	--	--	0.0051	0.0066	0.0011	0.0023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/1/95	<0.05	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/5/95	<0.5	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/95	<0.5	--	--	--	<0.0003	<0.0003	<0.0003	<0.0006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/1/96	<0.5	--	--	--	<0.0005	<0.0003	<0.0003	<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/96	<0.5	--	--	<0.02	<0.0005	<0.0003	<0.0003	<0.0015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES:

All concentrations reported in milligrams per liter (mg/L)

-- = Not analyzed

<0.01 = Not detected above the shown laboratory reporting limit.

* = Sample was analyzed by both EPA Methods 8010/8020 and 8240; highest detection value of the two analyses is shown

NS = Not sampled due to well damage, free product in well, or not scheduled for sampling.

[1] = EPA Method 601/8010

[2] = EPA Method 602/8020

Abbreviation:

TPH-g = Total Petroleum Hydrocarbons as Gasoline (Method 8020)

TPH-d = Total Petroleum Hydrocarbons as Diesel (Method 8015)

TRPH = Total Recoverable Petroleum Hydrocarbons

ASTM Method 2887 (unless otherwise indicated)

MTBE = Methyl tertiary butyl ether

B= Benzene

T= Toluene

E= Ethylbenzene

X= Total xylenes

BDCM= Bromodichloromethane

BCM= Bromochloromethane

c-1,2-DCE = cis-1,2-dichloroethene

CB= Chlorobenzene

1,2-DCB= 1,2 dichlorobenzene

1,1-DCA = 1,1- dichloroethane

1,2-DCA = 1,2-dichloroethane

1,1-DCE = 1,1-dichloroethene

1,2-DCP= 1,2-dichloropropane

iso-PB= iso-propylbenzene

MC= Methylene chloride

n-BB= n-Butylbenzene

n-PB= n-Propylbenzene

p-iso-PT= p-iso-Propyltoluene

sec-BB= sec-Butylbenzene

PCE = tetrachloroethene

t-1,3-DCE = trans-1,2-dichloroethene

TCE = trichloroethene

1,3,4-TMB= 1,3,4-Trimethylbenzene

1,3,5-TMB= 1,3,5-Trimethylbenzene

TOX = Total Halogenated Volatile Organics (ASTM Method 2267)

VC = Vinyl chloride

t-BB=Tertiary Butylbenzene

SEE NOTES AND EXPLANATIONS ON PAGE 9