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April 18, 2001

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STAFF INITIAL

Mr. Jimmie Woo
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Groundwater Monitoring Report, 2001
Los Nietos Business Center, Santa Fe Springs, California
Versar Project No. 4176-077, SLIC Case No. 883

Dear Mr. Woo:

Versar, Inc. (Versar) is pleased to submit this groundwater monitoring report (2001) for the Los Nietos Business Center located at 9120 - 9169 South Norwalk Boulevard, and 11924 - 11933 East Los Nietos Road, in Santa Fe Springs, California (subject property). The location of the Site is depicted on Figure 1 (Attachment 1). Versar performed the monitoring activities at the request of AMB Property Corporation (AMB), the current owner of the subject property. The monitoring activities were voluntarily authorized by AMB to provide continuing information for evaluating impact to the subject property resulting from migration of contaminated groundwater from surrounding properties. The 2001 monitoring activities were consistent with historic data from the subject property.

Background

The subject property is currently developed with four industrial warehouse buildings totaling 212,716 square feet of rentable space (see Figure 2, Attachment 1). Between 1924 and 1986, the Site was occupied and owned by Armco National Product Systems (Armco). Armco utilized the Site for manufacturing and testing of down-hole crude oil production equipment. Prior to redevelopment of the Site in 1988, soils were remediated for residual total petroleum hydrocarbons (TPH) and metals. The remedial activities consisted of excavating approximately 10,000 cubic yards of soil for off-site disposal. The RWQCB granted no further action for soils in a letter dated December 16, 1999.

• SACRAMENTO AREA OFFICE •
7844 MADISON AVENUE, SUITE 167 • FAIR OAKS, CA 95628 • TELEPHONE (916) 962-1612 FAX (916) 962-2678

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Six groundwater-monitoring wells currently exist at the Site. Five of the wells (MW-1 through MW-5) were installed by Applied Geosciences in 1995. The sixth well (MW-6) was installed by Clayton Environmental Consultants (Clayton) in 1999. Groundwater samples were originally collected by Fugro West in 1996. Clayton performed three groundwater monitoring events in 1999. Versar performed two groundwater monitoring events in 2000.

Historical groundwater results from the Site monitoring wells identified volatile organic compounds (VOCs) and metals above maximum contaminant levels (MCLs) for drinking water. Research performed by Clayton (September 29, 1999), and corroborated by Versar in January, 2000, identified numerous off-site (upgradient) sources of VOCs and metals in groundwater. Groundwater flow patterns and concentration gradients support migration of VOCs and metals on to the site from off-site sources. In a letter dated November 4, 1999, the RWQCB acknowledged the likelihood that chemicals of concern are migrating on to the site from off-site sources, but requested three additional quarters of groundwater monitoring to establish groundwater trends beneath the subject property. Clayton performed the first of the three monitoring events in December 1999. The second and third monitoring events were performed by Versar, the results of which are presented in Versar's June 16, 2000, and August 29, 2000 letter reports, respectively.

Scope of Work

Versar performed this monitoring event on March 7, 2001. The scope of work for the monitoring activities consisted of the following for each monitoring well: 1) collection of a depth-to-water measurement for determining the groundwater flow direction beneath the site; and 2) collection of a groundwater sample for VOC and metals analyses. In addition, samples from two monitoring wells were also analyzed for general water quality constituents, including select Secondary Drinking Water Standards (SDWS). The methodology used for groundwater sampling and analysis is described in Attachment 2 to this letter report. Field measurements collected during monitoring well sampling are included in Attachment 3.

Groundwater Flow

The groundwater flow patterns calculated from depth to water measurements from this monitoring event are depicted on Figure 3 (Attachment 1). Groundwater elevation data are presented in Table 1 (Attachment 1). As shown on Figure 3, the groundwater flow direction during this monitoring event was to the southwest. This flow pattern represents a slight shift to the west when compared to previous monitoring events. Groundwater elevations decreased between 1.50 and 2.03 feet from the 2nd Quarter 2000 monitoring event.

Groundwater Analytical Results

Groundwater analytical results from this monitoring event, along with historical analytical results, are tabulated in Tables 2, 3, and 4 (Attachment 1). Table 2 presents current and historical groundwater analytical results for VOCs. Table 3 presents current and historical groundwater analytical results for metals. Table 4 presents water quality results from monitoring wells MW-2 and MW-3. Laboratory analytical data sheets for this monitoring event are included in Attachment 4. Isocentration contours for tetrachloroethene (PCE), trichloroethene (TCE), total chromium, and hexavalent chromium are depicted on Figures 4, 5, 6, and 7, respectively.

As indicated in Table 2, low levels of VOCs are present in groundwater, which is consistent with historical analytical results. Select VOCs are present above the MCLs. As depicted on Figures 4 and 5, the data indicates that PCE and TCE are migrating on to the site from one or more off-site sources. PCE appears to be migrating onto the Site from the northeast, while TCE appears to be migrating onto the Site from the east. This is consistent with historical research performed for off-site releases located upgradient of the Site, as described in Clayton's September 29, 1999 letter. These release sites include Phibro Tech, Pilot Chemical, Techni Braze, Burdette Oxygen/Liquid Air, Earl Manufacturing, and the former Diversey Wyandonte. The locations of these facilities with respect to the subject property are depicted on Figure 8. The data further suggests that undiscovered sources may also exist north or northwest of the subject property.

As indicated in Table 3, various metals were identified in groundwater samples collected during this monitoring event. With the exception of total chromium, hexavalent chromium, and cadmium, the current analytical results for metals are below MCLs for drinking water. As depicted on Figures 6 and 7, the data suggests total chromium and hexavalent chromium are migrating on-site from one or more off-site sources. Versar's historical research identified elevated concentrations of total chromium and hexavalent chromium (500,000 micrograms per liter [ug/l]) in groundwater at the Phibro Tech facility, located northeast (upgradient) from the site. The maximum concentration of hexavalent chromium identified on-site during this monitoring event was 220 ug/l.

During this monitoring event, general water quality constituents were analyzed in upgradient monitoring well MW-3 and downgradient monitoring well MW-2. The purpose for the additional analyses was to determine the general water quality of groundwater beneath the subject property. Constituents included in the general water quality analyses are listed in Table 4. The results of the water quality analyses indicate groundwater beneath the subject property is not suitable for domestic use, as evidenced by numerous constituents exceeding SDWS concentrations. In general, water quality parameters were higher in the upgradient monitoring well (MW-3) than in the downgradient monitoring well (MW-2), which further supports migration of impacted groundwater on to the site from off-site sources.

Closing

Based on the groundwater analytical results collected to date, it is Versar's opinion that VOCs and metals are migrating on to the site from one or more off-site sources, and the concentrations identified in groundwater do not pose a threat to site users under a commercial/industrial setting. This opinion is supported by data obtained from site investigative and monitoring activities, and data obtained from the numerous off-site industrial properties. Water quality beneath the subject property is not suitable for domestic supply purposes.

All requested monitoring requirements established by the RWQCB have been completed. However, AMB has elected to continue to monitor groundwater beneath the subject property on an annual basis to provide ongoing data to evaluate the effect of the regional groundwater condition on the subject property. Annual groundwater monitoring will be continued until such time that a regional groundwater group is established for the Santa Fe Springs area.

Versar INC.

If you have any questions regarding the information presented herein, please call Mr. Scott Allin at (916) 863-9325.

Sincerely,
Versar, Inc.

Scott Allin, R.E.A.
Senior Program Manager

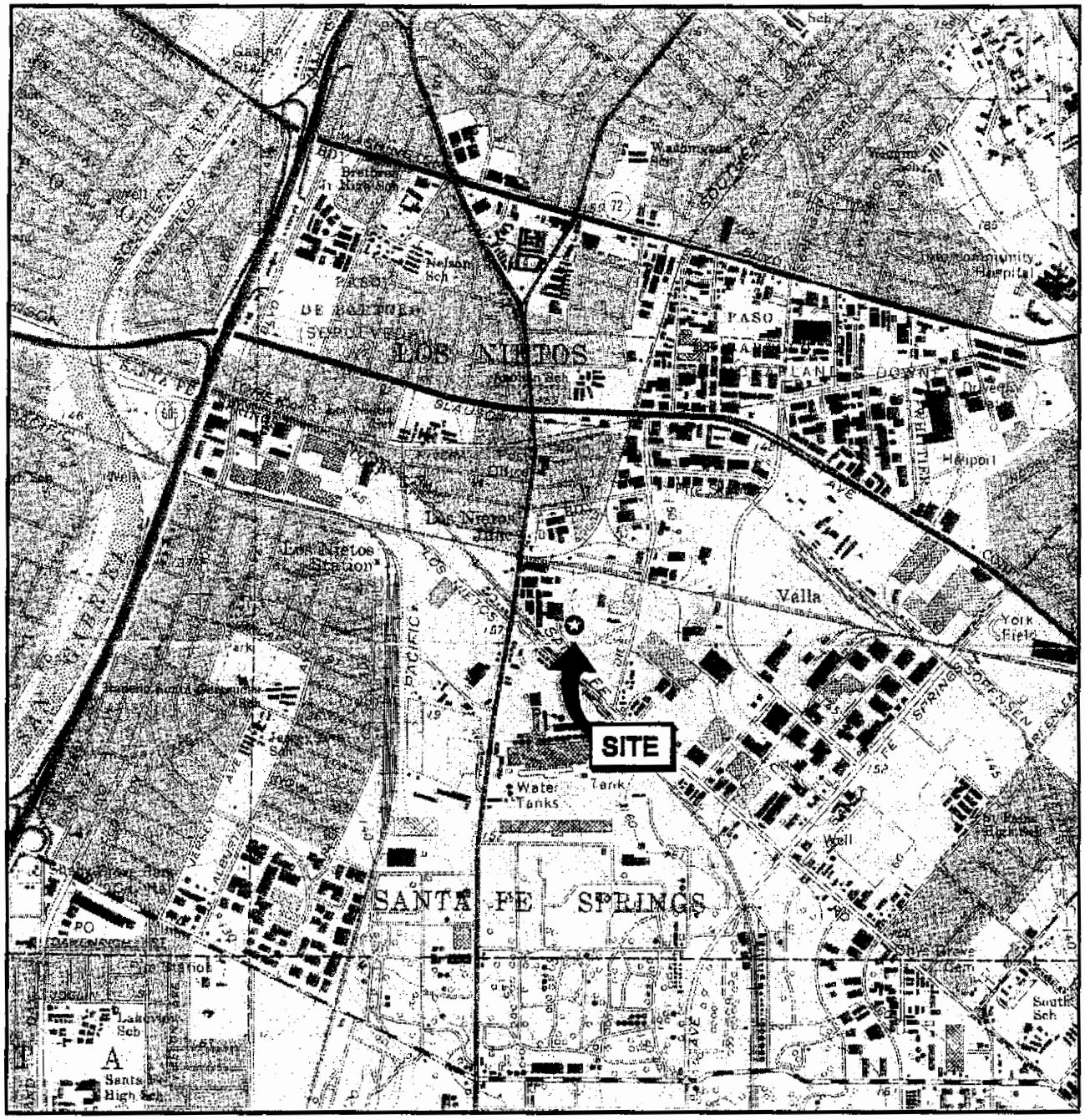
Tim Berger, R.G. FOR
Supervising Geologist

cc: Mr. Steve Campbell (AMB Property Corporation)
Mr. Dave Isola (Isola Bowers, LLP)
Mr. Russell Juncal (Mill Creek Associates)

Attachment 1 - Figures and Tables
Attachment 2 - Monitoring Methodology
Attachment 3 - Monitoring Field Measurements
Attachment 4 - Groundwater Analytical Results

ATTACHMENT 1

Figures and Tables



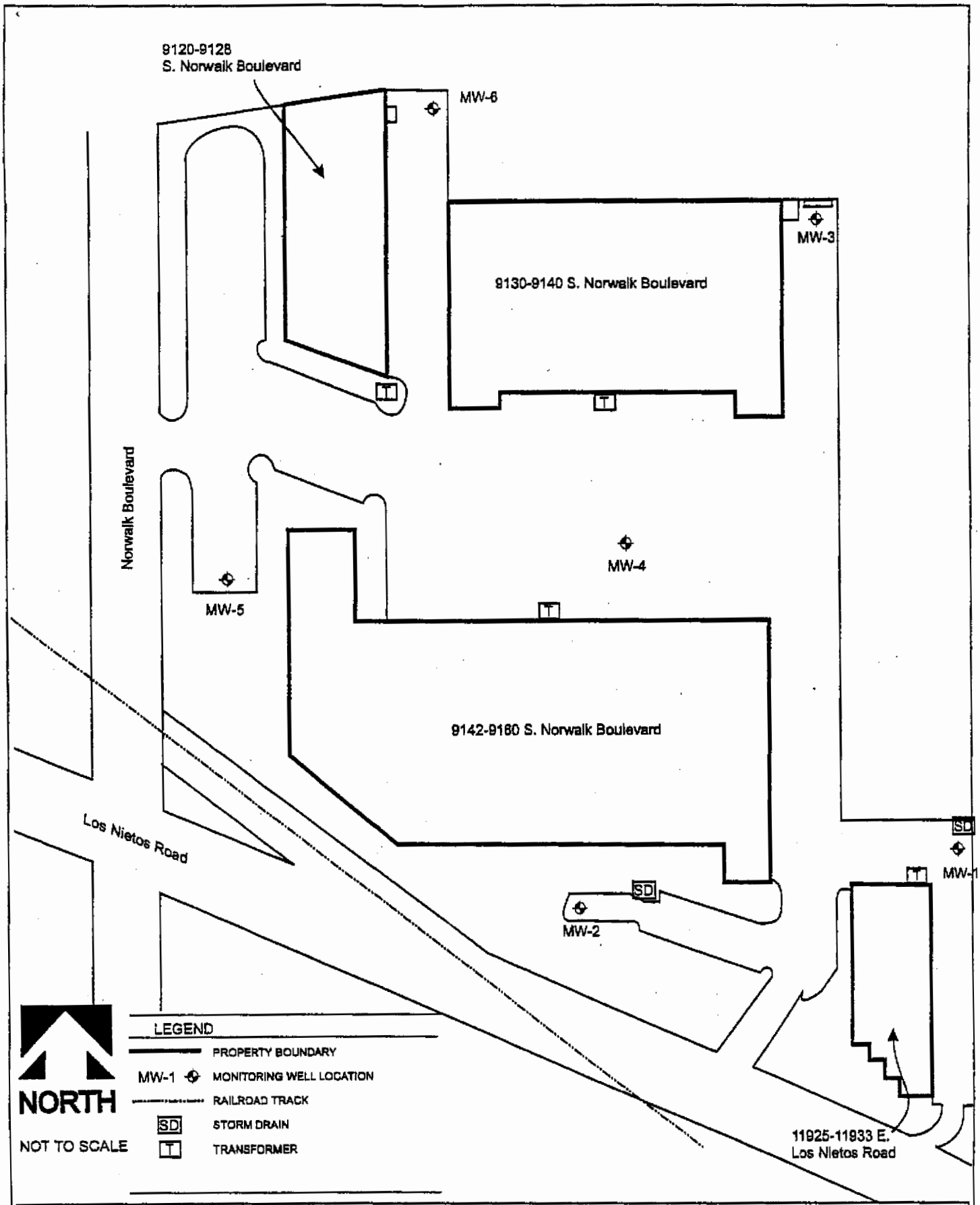
Source: USGS 7.5 Minute Series Whittier, California Quadrangle, 1965 Photorevised 1981.

NORTH

0' SCALE 2000'

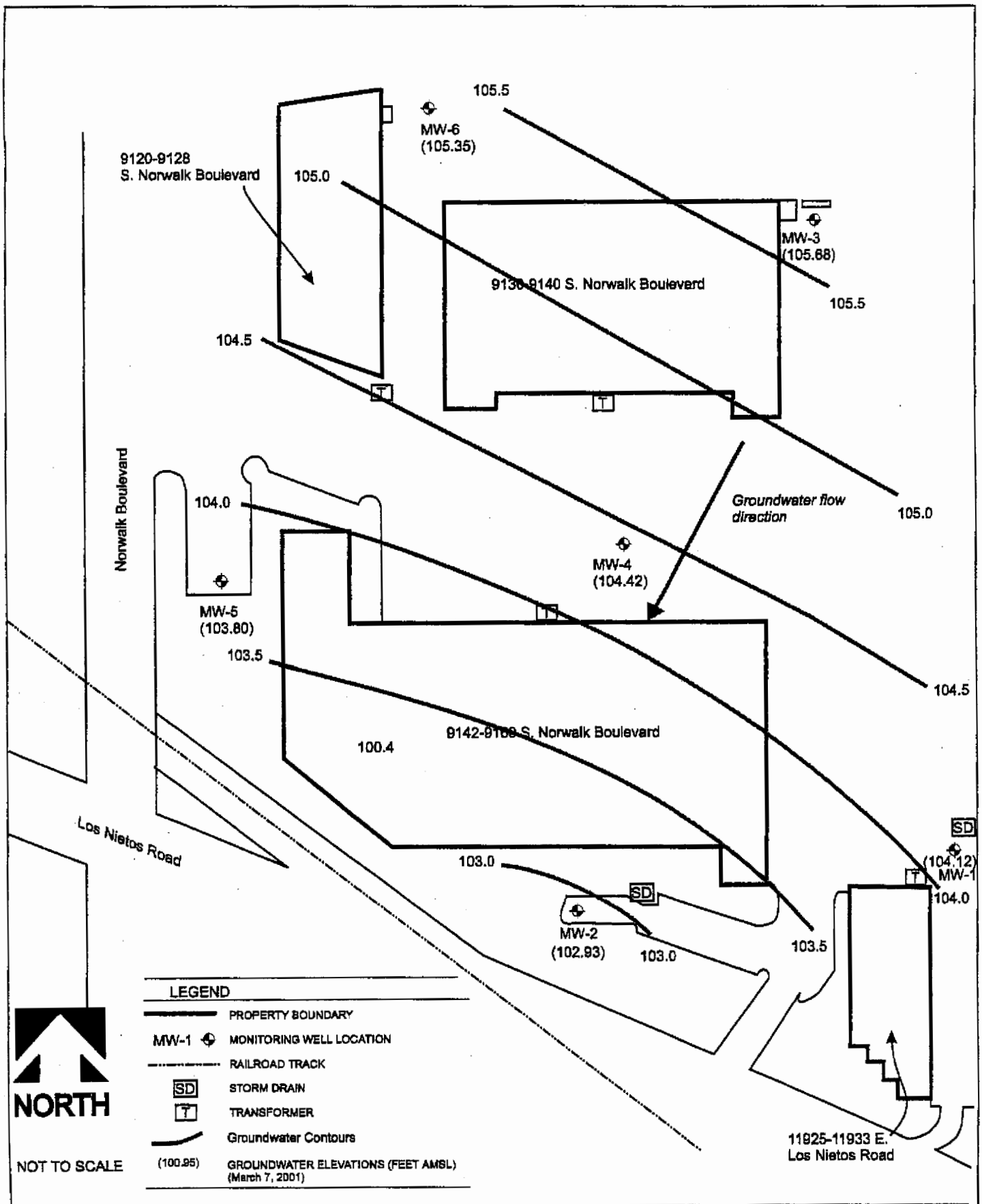
Dr. By: AEC	**Versar INC** 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	**SITE LOCATION MAP** **Los Nietos Business Center** **9120-9160 S uth Norwalk Boulevard** **Santa Fe Springs, California**
Date: 10/29/99		**Figure 1**
Versar Project No.: 4176-040		

Path/File: P/AMB/LosNieto/CAD/102999f1.cdr



Dr. By: AEC	Versar INC 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	**SITE LAYOUT MAP** **Los Nietos Business Center** **9120-9160 South Norwalk Boulevard** **Santa Fe Springs, California**
Date: 11/08/99		**Figure 2**
Versar Project No.: 4176-040		

Path/File: P/AMB/LosNieto/CAD/11089912



Dr. By: AEC

Date: 03/21/01

Versar Project No.: 4176-077

Versar INC
7844 Madison Avenue
Suite 167
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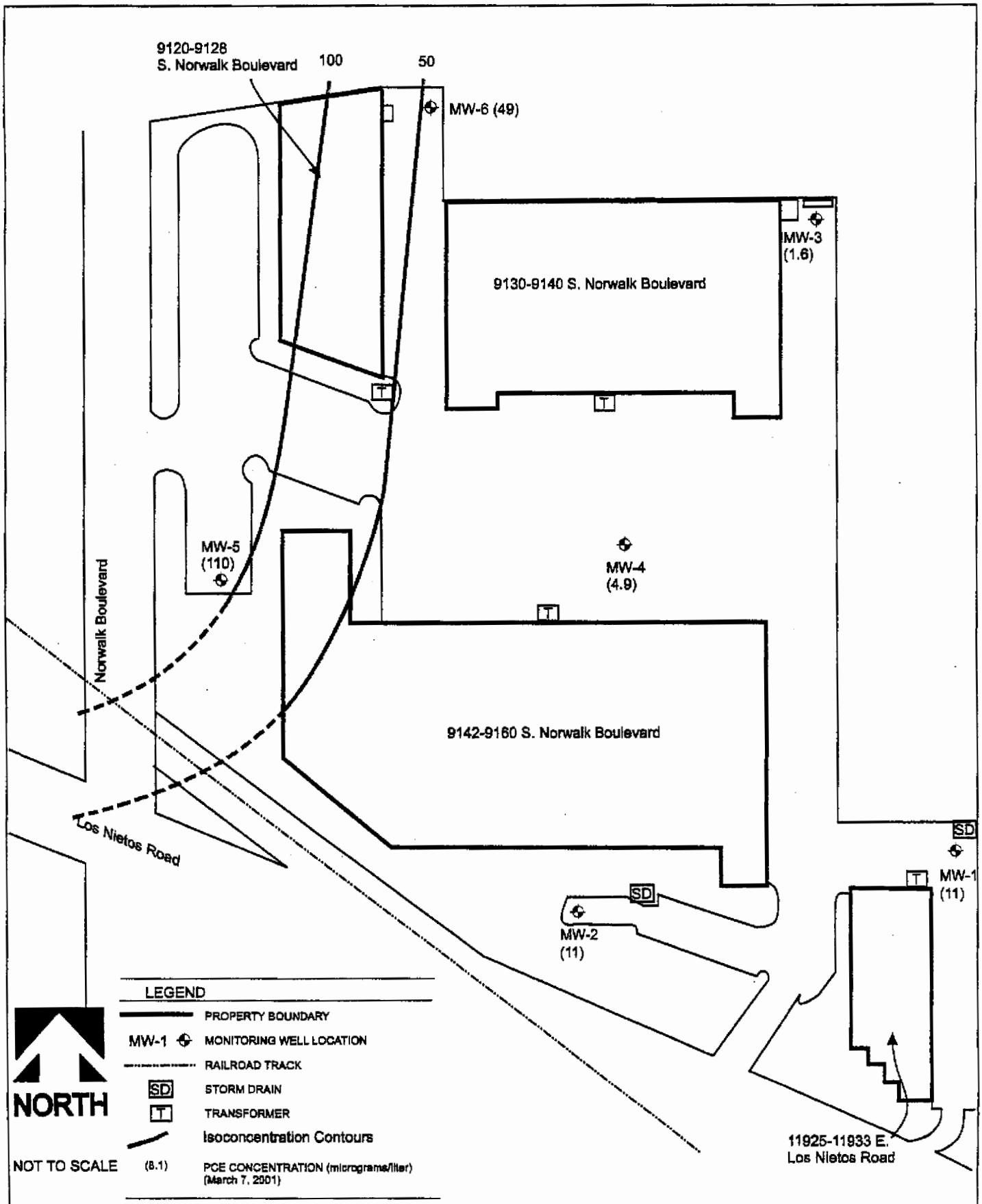
Groundwater Elevation Contours
March 7, 2001
Los Nietos Business Center
9120-9160 South Norwalk Boulevard
Santa Fe Springs, California

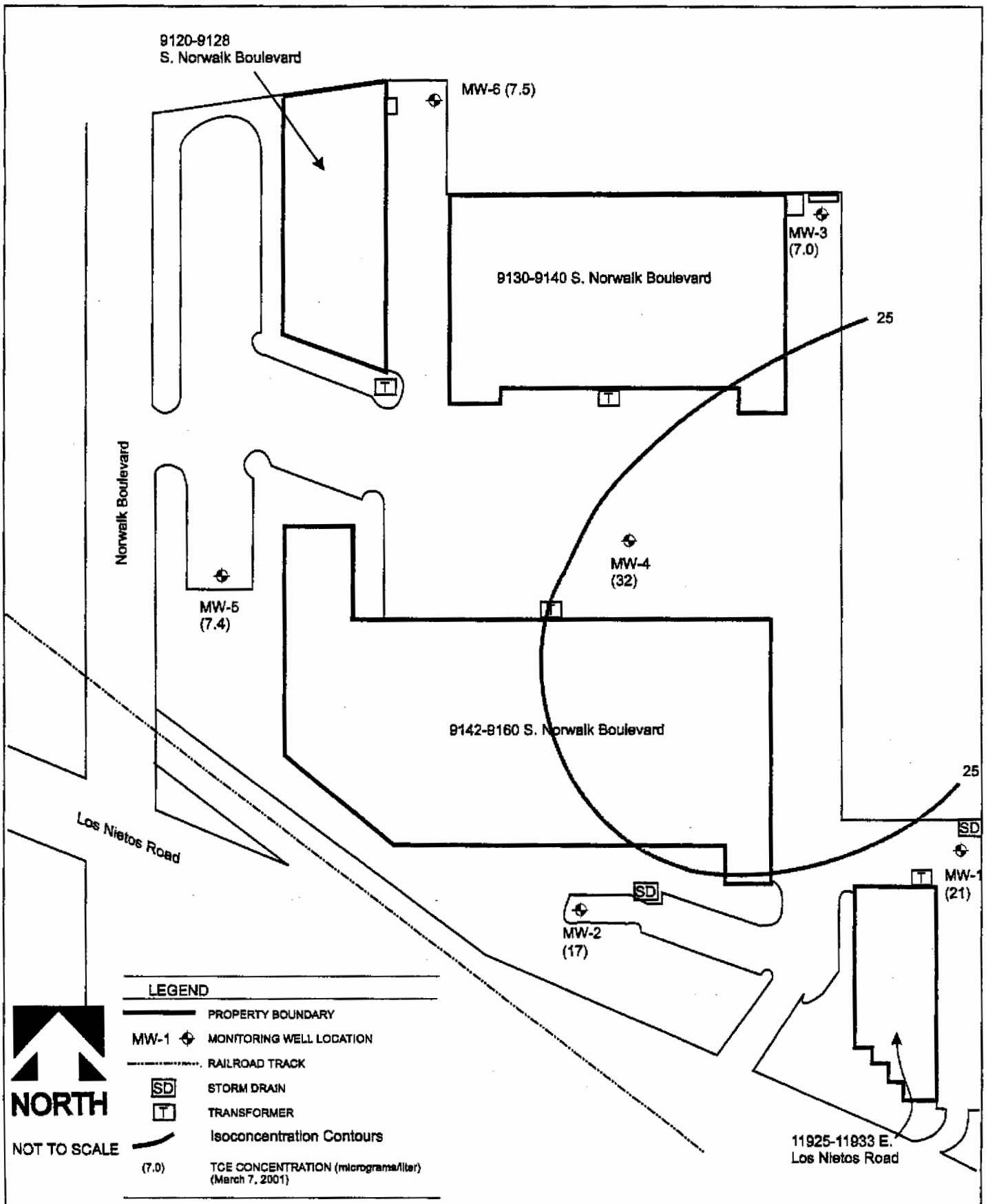
Figure 3

Path/File: P/AMB/LosNieto/QMS/figures/03_01f3



Dr. By: DLA	**Versar** INC 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	**Isoconcentration Contours -PCE** **March 7, 2001** **Los Nietos Business Center** **9120-9160 South Norwalk B ulevard** **Santa Fe Springs, California**
Date: 03/21/01		**Figure 4**
Versar Project No.: 4176-077		

Path/File: P/AMB/LosNieto/QMS/figures/03_01f4



Dr. By: AEC	Versar INC 7844 Madison Avenue Suite 187 Fair Oaks, CA 95628 (916) 962-1812	**Isoconcentration Contours -TCE** **March 7, 2001** **Los Nietos Business Center** **9120-9160 South Norwalk Boulevard** **Santa Fe Springs, California**
Date: 03/21/01		**Figure 5**
Versar Project No.: 4176-077		

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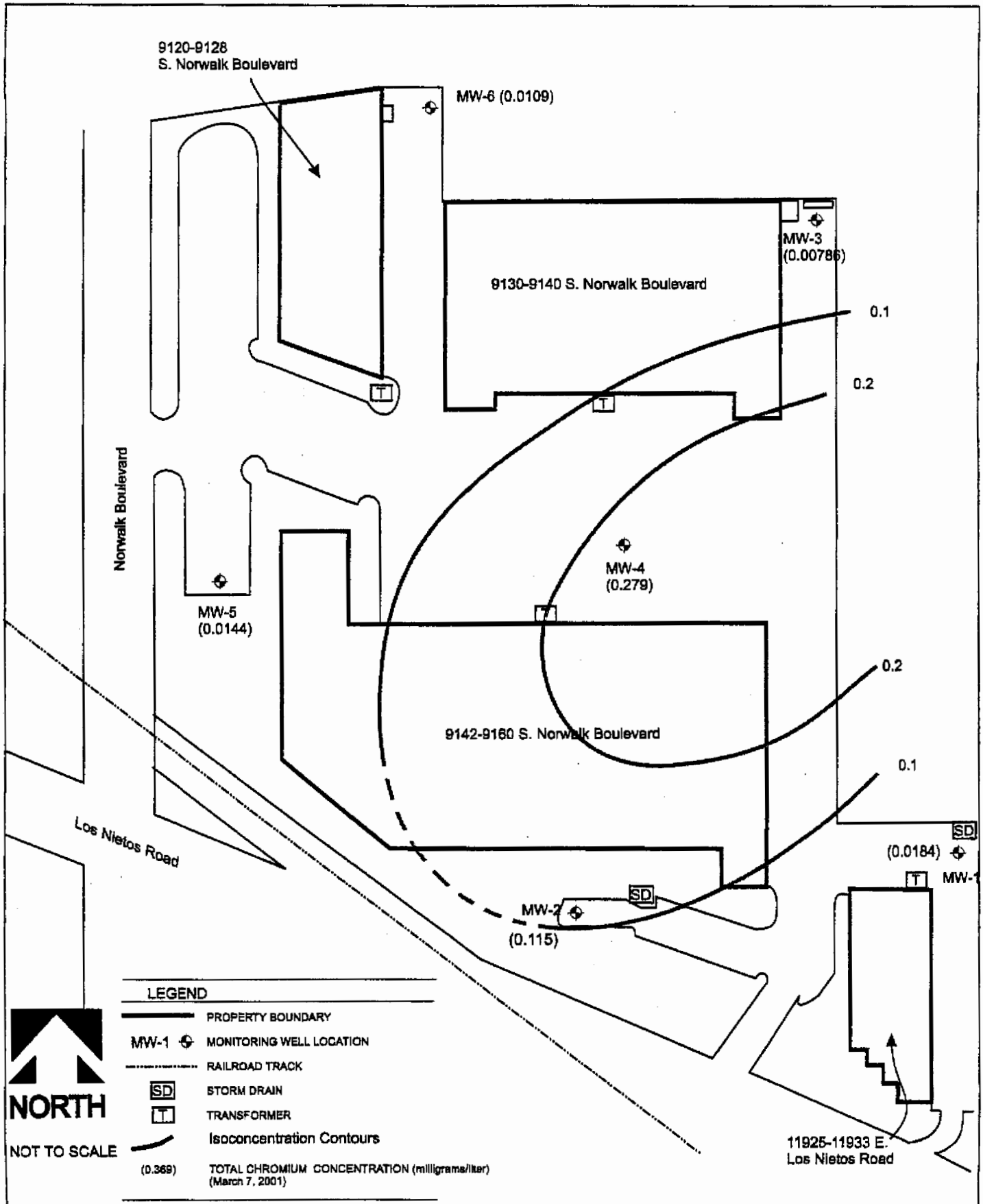
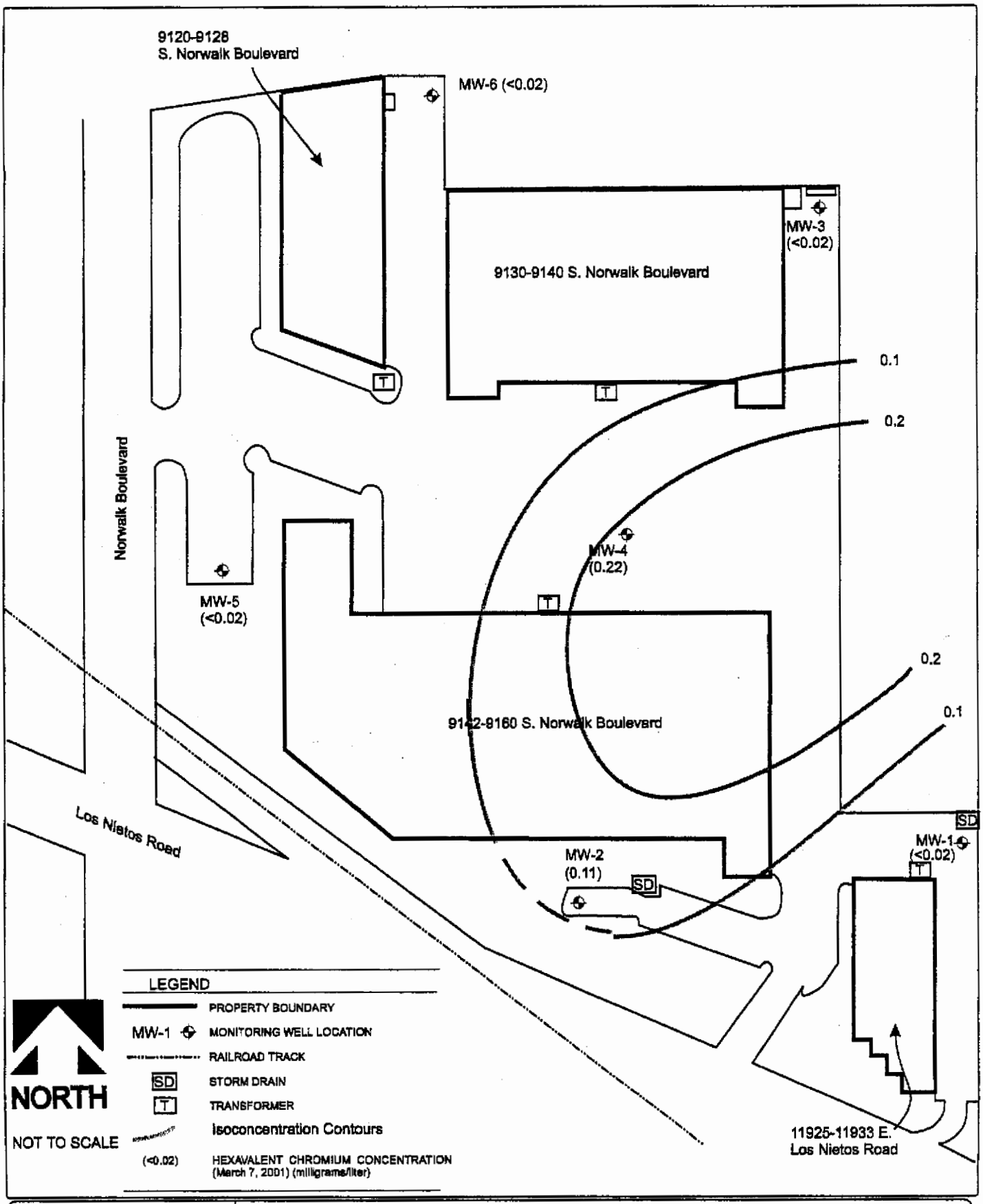


Dr. By: AEC	Versar INC 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	**Isoconcentration Contours -Total Chromium** **March 7, 2001** **Los Nietos Business Center** **9120-9160 South Norwalk Boulevard** **Santa Fe Springs, California**
Date: 03/21/01		**Figure 6**
Versar Project No.: 4176-077		

Path/File: P/AMB/LosNieto/QMS/march01/figures/03_01f6



Dr. By: AEC	Versar INC 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	**Isoconcentration Contours -Hexavalent Chromium** **March 7, 2001** **Los Nietos Business Center** **9120-9160 South Norwalk Boulevard** **Santa Fe Springs, California**
Date: 03/21/01		**Figure 7**
Versar Project No.: 4176-077		

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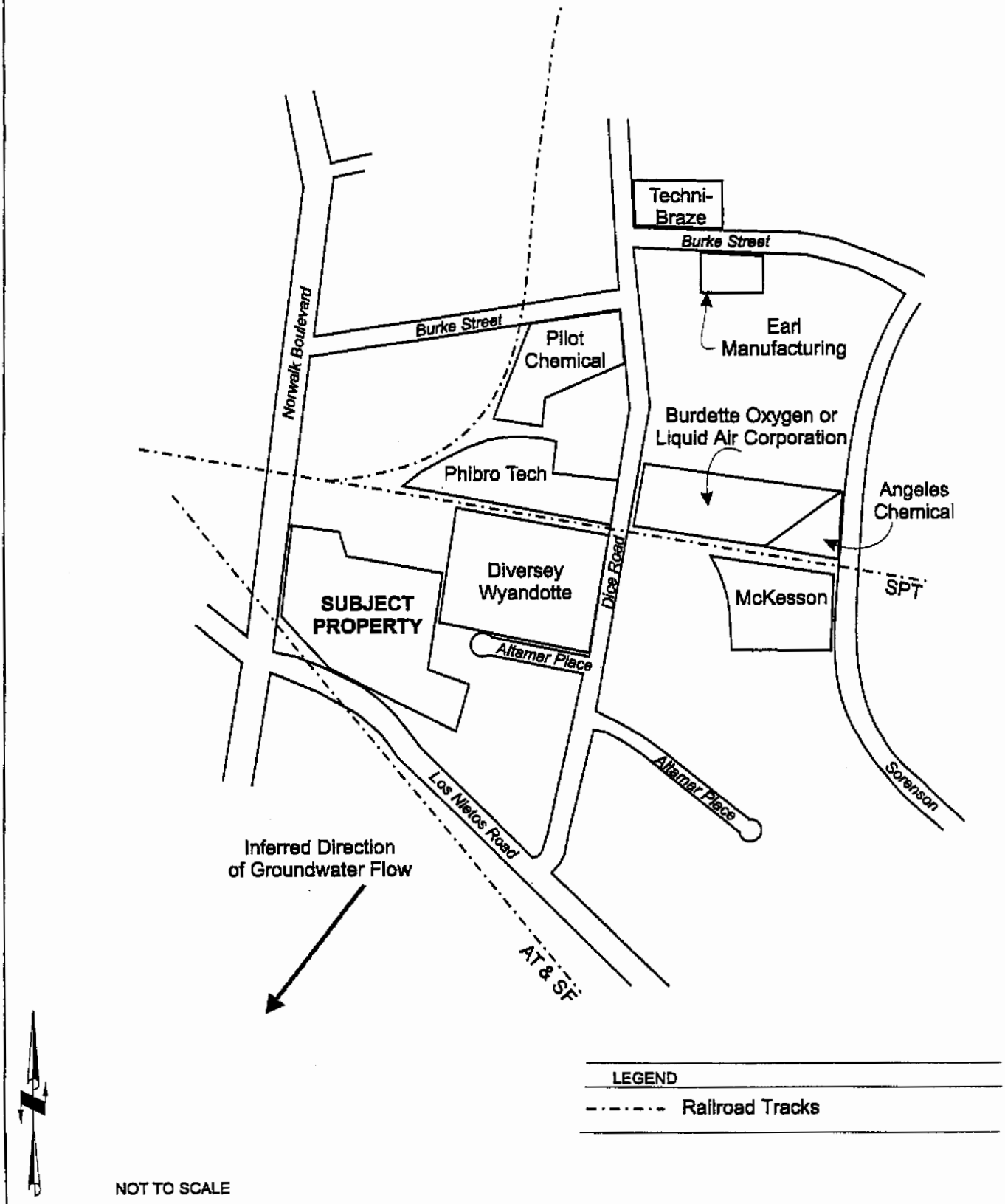

Dr. By: AEC	Versar INC 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612	**IDENTIFIED SURROUNDING RELEASE PROPERTIES** **Los Nietos Business Center** **9120-9160 South Norwalk Boulevard** **Santa Fe Springs, California**
Date: 03/28/01		**Figure 8**
Versar Project No.: 4176-077		

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Table 1
Groundwater Elevation Data
Los Nietos Business Center
Santa Fe Springs, California

		Groundwater Monitoring Well						Groundwater Flow direction
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	
Well casing elevation (feet amsl)		**150.42**	**153.99**	**149.98**	**149.94**	**155.22**	**156.03**	---
Total Depth of Well		**68.45**	**66.25**	**68.15**	**68.20**	**65.95**	**47.85**	
March 22. 2000	Depth to groundwater (feet toc) Groundwater elevation (feet amsl)	49.45 **100.97**	54.05 **99.94**	47.25 **102.73**	48.45 **101.49**	54.27 **100.95**	53.55 **102.48**	South/Southwest
June 28, 2000	Depth to groundwater (feet toc) Groundwater elevation (feet amsl)	44.80 **105.62**	49.26 **104.73**	42.53 **107.45**	43.70 **106.24**	49.42 **105.80**	48.65 **107.38**	South/Southwest
March 7. 2001	Depth to groundwater (feet toc) Groundwater elevations (feet amsl)	46.30 **104.12**	51.06 **102.93**	44.30 **105.68**	45.52 **104.42**	51.42 **103.80**	50.68 **105.35**	Southwest
	Change from previous elevation	-1.50	-1.80	-1.77	-1.82	-2.00	-2.03	

Notes and Abbreviations:
ft/lt = feet per foot
amsl = above mean sea level
toc = top of casing

Table 2

Groundwater Analytical Results, Volatile Organic Compounds
Los Nietos Business Center
Santa Fe Springs, California

		Chemicals of Concern (Micrograms Per Liter)										
Monitoring Well No.	Date	CTC	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	1,2-DCP	PCE	1,1,1-TCA	TCE
MW-1	Apr-96	ND	0.61	21	ND	11	ND	ND	ND	6.3	4.2	32
	Jul-99	ND	ND	2.6	ND	18.6	ND	ND	--	11.8	ND	11.3
	Sep-99	ND	1.4	3.4	ND	25.6	ND	ND	ND	11.4	1.9	10.9
	Dec-99	ND	12	61	ND	1,030	ND	12	172	ND	29	151
	Mar-00	0.59	1.7	7.4	0.53	81	ND	1.7	29	6.3	3.2	24
	Jun-00	ND	ND	ND	ND	4.9	ND	ND	ND	1.5	ND	4.3
	Mar-01	0.95	2.2	8.8	ND	23	ND	ND	2.3	11	1.2	21
MW-2	Apr-96	ND	0.91	ND	ND	1.1	ND	ND	--	15	ND	7.7
	Jul-99	ND	1.0	2.2	6.8	ND	ND	1.4	--	10.1	ND	5.5
	Sep-99	ND	ND	4.6	6.2	2.5	ND	2.3	--	15.9	ND	7.7
	Dec-99	1.2	7.3	11.4	13.8	6.9	ND	3.7	ND	15.4	ND	18.9
	Mar-00	2.2	11	4.9	4.1	2.9	ND	1.2	ND	15	ND	16
	Jun-00	ND	1.6	7.1	17	3.1	ND	2.9	ND	14	ND	13
	Mar-01	ND	3.5	8.8	18	3.3	ND	4.0	ND	11	ND	17
MW-3	Apr-96	ND	ND	ND	ND	ND	ND	ND	--	1.4	ND	2.6
	Jul-99	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	Sep-99	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	Dec-99	ND	ND	3.8	ND	4.9	ND	ND	ND	2.3	ND	3.2
	Mar-00	ND	ND	1.6	ND	1.7	ND	ND	ND	1.6	ND	3.5
	Jun-00	ND	ND	2.7	0.52	3.2	ND	ND	ND	2.2	ND	5.8
	Mar-01	ND	ND	1.5	ND	1.1	ND	ND	ND	1.6	ND	7.0
MW-4	Apr-96	5.1	15	33	17	13	0.51	10	--	18	ND	74
	Jul-99	ND	2.4	3.0	ND	1.6	ND	ND	--	8.7	ND	12.2
	Sep-99	ND	4.4	4.3	3.9	3.1	ND	1.1	--	17.5	ND	13.2
	Dec-99	ND	7.2	4.7	2.3	3.2	ND	1.0	ND	11.1	ND	12.7
	Mar-00	0.58	4.8	3.5	1.8	3.6	ND	ND	ND	8.1	ND	12
	Jun-00	0.56	4.9	5.5	8.9	1.4	ND	1.5	ND	5.3	ND	13
	Mar-01	ND	7.8	20	26	5.0	ND	6.4	ND	4.9	ND	32
MW-5	Apr-96	ND	0.76	ND	ND	ND	ND	ND	--	82	ND	78
	Jul-99	ND	ND	ND	ND	2.1	ND	ND	--	73.8	ND	5.0
	Sep-99	ND	ND	ND	ND	2.0	ND	ND	--	81.1	ND	4.8
	Dec-99	ND	ND	ND	ND	2.1	ND	ND	ND	89.5	--	8.3
	Mar-00	ND	ND	ND	ND	2.3	ND	ND	ND	91	ND	7.0
	Jun-00	ND	ND	ND	ND	3.0	ND	ND	ND	97	ND	6.0
	Mar-01	ND	ND	ND	ND	2.4	ND	ND	ND	110	ND	7.4
MW-6	Sep-99	ND	ND	ND	ND	ND	1.9	ND	--	68.2	ND	6.9
	Dec-99	ND	ND	ND	ND	2.1	ND	ND	ND	70.3	ND	12.9
	Mar-00	ND	ND	ND	ND	2.1	ND	ND	ND	69	ND	9.5
	Jun-00	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	5.5
	Mar-01	ND	ND	ND	ND	1.7	ND	ND	ND	49	ND	7.5
Ca MCL		0.5	100	5	0.5	6.0	10	6.0	5.0	5.0	200	5.0

Notes and Abbreviations:

CTC - Carbon Tetrachloride.
1,1-DCA - 1,1-dichloroethane.
1,2-DCA - 1,2-dichloroethane.
1,1-DCE - 1,1-dichloroethene.
trans-1,1-DCE - trans-1,1-dichloroethene.
cis-1,2,-DCE - cis-1,2-dichloroethene.
1,2-DCP - 1,2-dichloropropane.
PCE - tetrachloroethene.
1,1,1-TCA - 1,1,1-trichloroethane.
TCE - trichloroethene.
Ca MCL - California Maximum Contaminant Level.
-- - not analysed
ND - not detected at or above the methods reporting limit. VOCs not presented were below the laboratory reporting limits.

Table 3
Groundwater Analytical Results, Metals
Los Nietos Business Center
Santa Fe Springs, California

Monitoring Well No.	Date	Chemicals of Concern (Milligrams Per Liter)																	
		Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn	Cr+6
MW-1	Apr-96	ND	ND	0.2	ND	ND	0.047	ND	ND	ND	ND	ND	ND	0.013	ND	ND	0.12	0.069	--
	Jul-99	ND	ND	0.051	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	0.065	--
	Sep-99	ND	ND	0.058	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.068	ND	0.15	ND	0.055	--
	Dec-99	ND	ND	0.059	ND	0.021	ND	ND	ND	ND	ND	ND	0.017	ND	ND	ND	ND	ND	--
	Mar-00	ND	ND	0.0724	ND	ND	0.0242	ND	0.00949	ND	ND	ND	0.0128	ND	ND	ND	0.00778	0.0735	ND
	Jun-00	ND	ND	0.0672	ND	ND	0.00882	ND	ND	ND	ND	ND	ND	0.0161	ND	ND	ND	0.0179	ND
	Mar-01	ND	ND	0.0653	ND	ND	0.01840	ND	0.01760	ND	ND	ND	ND	ND	ND	ND	ND	0.0127	ND
MW-2	Apr-96	ND	ND	0.11	ND	ND	0.07	ND	ND	ND	0.0068	ND	ND	ND	ND	ND	0.12	ND	--
	Jul-99	ND	ND	0.045	ND	ND	0.027	ND	ND	ND	ND	ND	ND	0.018	ND	0.019	ND	0.103	--
	Sep-99	ND	ND	0.037	ND	ND	0.024	ND	ND	ND	ND	ND	ND	0.071	ND	0.162	ND	0.096	--
	Dec-99	ND	ND	0.043	ND	ND	0.188	ND	0.02	ND	ND	ND	ND	0.016	ND	ND	ND	0.015	--
	Mar-00	0.0167	ND	0.0872	ND	ND	0.369	ND	0.00743	ND	0.00167	ND	0.00526	ND	ND	ND	0.00917	0.0546	0.33
	Jun-00	ND	ND	0.0492	ND	ND	0.0744	ND	ND	ND	ND	ND	ND	0.0176	ND	ND	ND	0.0384	0.073
	Mar-01	ND	ND	0.0506	ND	ND	0.115	ND	0.0117	ND	ND	ND	ND	0.0176	ND	ND	ND	0.0119	0.11
MW-3	Apr-96	ND	ND	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	--
	Jul-99	ND	ND	0.107	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND	0.091	--
	Sep-99	ND	ND	0.096	ND	ND	ND	ND	ND	ND	ND	ND	0.016	0.083	ND	0.176	ND	0.052	--
	Dec-99	ND	ND	0.072	ND	ND	0.011	ND	0.019	ND	ND	ND	0.012	ND	ND	ND	ND	0.012	--
	Mar-00	ND	ND	0.0616	ND	ND	0.0161	ND	0.00517	ND	ND	ND	0.00559	ND	ND	ND	ND	0.0485	ND
	Jun-00	ND	ND	0.0516	ND	ND	0.00559	ND	ND	ND	ND	ND	ND	0.0262	ND	ND	ND	ND	ND
	Mar-01	ND	ND	0.0468	ND	ND	0.00786	ND	0.00934	ND	0.000595	ND	ND	0.0218	ND	ND	ND	ND	ND
MW-4	Apr-96	ND	ND	0.096	ND	0.062	ND	ND	0.062	ND	0.0016	ND	0.15	ND	0.064	ND	0.16	0.66	--
	Jul-99	ND	ND	0.057	ND	ND	0.036	ND	ND	ND	ND	ND	0.014	0.015	ND	0.015	ND	0.097	--
	Sep-99	ND	ND	0.037	ND	ND	0.163	ND	0.16	ND	ND	ND	0.02	0.056	ND	0.143	ND	0.231	--
	Dec-99	ND	ND	0.031	ND	ND	0.606	ND	0.02	0.009	ND	ND	0.13	ND	ND	ND	ND	0.065	--
	Mar-00	ND	ND	0.0447	ND	0.00954	0.261	ND	0.0244	ND	ND	ND	0.0180	ND	ND	ND	ND	0.124	0.23
	Jun-00	ND	ND	0.0355	ND	0.0101	0.137	ND	0.00782	ND	ND	ND	0.0196	ND	ND	ND	ND	0.115	0.094
	Mar-01	ND	ND	0.0455	ND	0.0212	0.279	ND	0.0215	ND	ND	ND	0.0323	ND	ND	ND	ND	0.169	0.22
MW-5	Apr-96	ND	ND	0.062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	Jul-99	ND	ND	0.047	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	0.058	--
	Sep-99	ND	ND	0.058	ND	ND	0.013	ND	ND	ND	ND	ND	0.014	0.065	ND	0.141	ND	ND	--
	Dec-99	ND	ND	0.044	ND	ND	ND	ND	ND	0.008	ND	ND	0.013	0.013	ND	ND	ND	ND	--
	Mar-00	ND	ND	0.0521	ND	ND	0.0146	ND	0.00557	ND	ND	ND	ND	ND	ND	ND	ND	0.0331	ND
	Jun-00	ND	ND	0.0491	ND	ND	0.0291	ND	ND	ND	0.00184	ND	ND	0.0322	ND	ND	ND	0.0148	0.026
	Mar-01	ND	ND	0.0460	ND	ND	0.0144	ND	0.0118	ND	ND	ND	ND	ND	ND	ND	ND	0.0249	ND
MW-6	Sep-99	ND	ND	0.04	ND	ND	ND	ND	ND	ND	ND	0.016	0.056	ND	ND	0.128	ND	ND	--
	Dec-99	ND	ND	0.041	ND	ND	ND	ND	ND	0.008	ND	ND	0.012	ND	ND	ND	ND	ND	--
	Mar-00	ND	ND	0.105	ND	ND	0.0158	ND	0.0119	ND	ND	ND	0.00638	ND	ND	ND	0.0138	0.0976	ND
	Jun-00	ND	ND	0.0379	ND	ND	0.00701	ND	ND	ND	ND	ND	ND	0.0181	ND	ND	ND	ND	ND
	Mar-01	ND	ND	0.0325	ND	ND	0.01090	ND	0.0111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ca MCL		0.006	0.05	1	0.004	0.005	0.05	--	1.0	0.015	0.002	--	0.1	0.05	0.1	0.002	--	--	0.05

Notes and Abbreviations:

Sb - Antimony
As - Arsenic
Ba - Barium
Be - Beryllium
Cd - Cadmium
Cr - Chromium (tot.)
Co - Cobalt
Cu - Copper
Pb - Lead
Hg - Mercury
Mo - Molybdenum
Ni - Nickel
Se - Selenium
Ag - Silver
Tl - Thallium
V - Vanadium
Zn - Zinc
Cr+6 - Hexavalent Chromium

ND - Not detected at or above the method reporting limits.
-- - Not analyzed or not available.

Table 4
Water Quality Constituents (March 2001)
Los Nietos Business Center
Santa Fe Springs, California

Analyte	MW-2	MW-3	SDWS
Color (1)	5	10	15
Odor (2)	2	2	3
Surfactants (MBAS)	ND	ND	0.5
Total Alkalinity	254	274	---
Bicarbonate	254	274	---
Carbonate	ND	ND	---
Hydroxide	ND	ND	---
Turbidity (3)	17	2.6	5
pH (4)	6.51	6.89	6.5 - 8.5
Specific Conductance (5)	1740	1690	900
Total Hardness	625	690	---
Total Dissolved Solids	1050	1130	500
Aluminum	0.479	1.16	0.2
Iron	0.725	1.84	0.3
Manganese	0.0292	0.136	0.05
Chloride	220	180	250
Nitrate-N	7.9	8.2	---
o-Phosphate-p	ND	ND	---
Sulfate	260	320	250
Total Coliform (6)	<1.1	<1.1	---

SDWS	Secondary Drinking Water Standards.
(1)	Color units.
(2)	TON units.
(3)	Results in NTU.
(4)	pH units.
(5)	Micromhos/centimeter.
(6)	Count per 100 milliliters.
---	Not available.

ATTACHMENT 2

Monitoring Methodology

1.0 DECONTAMINATION PROCEDURES

The decontamination procedures for non-dedicated field equipment and well development/purging equipment are given below. These procedures are followed during all field activities.

a. Non-dedicated well development, purging, and sampling equipment is carefully pre-cleaned prior to each use, as follows:

   a. Carefully brush off any loose foreign debris with a soft bristle brush.

   b. Rinse the equipment thoroughly in clean water.

   c. Wash the equipment in a non-phosphate detergent bath.

   d. Rinse thoroughly in clean water.

   e. Rinse thoroughly with deionized water.

   f. Air dry in a dust-free environment.

   g. Store in unused plastic bags or other suitable cover until use.

2. Clean disposable gloves are worn by all field personnel when handling decontaminated equipment.

2.0 COLLECTION OF SAMPLES

2.1 Groundwater Sampling

Groundwater samples are collected for laboratory analysis using the procedures given below.

1. Open the well and measure the organic vapor concentration with a flame-ionization detector (FID) or photoionization detector (PID).

2. Measure the water levels (if any) in the well using a decontaminated measuring device. All measurements must be made to the nearest 0.01 foot, and measured relative to the top of the casing. Record the depth of the water in the field data sheets.

3. Inspect the disposable bailer to ensure that the bottom valve assembly is working correctly.

4. Begin purging the well by inserting a bailer into the PVC monitoring well casing and carefully lower it into the well. Take care to avoid agitating and aerating the fluid column in the well. If a centrifugal or submersible pump is used, begin by connecting new or dedicated polyethylene tubing to the pump intake and inserting the remaining tubing in the well so that water is drawn from within two feet of the static water level. The centrifugal pump should be placed a minimum of 10 feet downwind of well. Parameter samples can be collected from the sample port located at the pump discharge port. A steady pumping rate should be set that avoids excessive or rapid drawdown in the well.

5. Slowly withdraw the bailer and transfer the water samples to a sampling container.

6. Measure the temperature, pH, conductivity, and turbidity. Record these and all subsequent measurements in the field data sheets.

7. Continue purging the well (a minimum of three well volumes) until the temperature, pH, conductivity, and turbidity have stabilized, or the well is dry.

8. When the water has recovered to 80 percent of the original level, carefully lower a new disposable bailer into the well and recover groundwater samples.

9. Fill the appropriate sample containers by releasing water from the bailer via the bottom emptying device with a minimum of agitation. The most volatile parameters are collected first, proceeding to the least volatile parameters.

10. Place the purge water in a DOT-approved 55-gallon drums.

3.0 ANALYSIS OF SAMPLES

Samples are submitted to a California state-certified laboratory (Calscience Environmental Laboratories, Inc.) for analysis. Each groundwater sample was analyzed for VOCs by EPA method 8260B, metals by EPA Method 6000/7000 series, and hexavalent chromium by EPA Method 7196A. Water quality parameters were analyzed using numerous EPA methodologies listed in Attachment 4.

4.0 SAMPLE HANDLING

4.1 Sample Containers, Preservation, and Holding Times

All samples are collected, placed in containers, preserved, and analyzed within the time constraints with applicable local, provincial, and federal procedures. All sample containers are

precleaned in accordance with prescribed EPA methods. A custody seal is placed around all sample container lids to prevent leaks and unauthorized tampering with individual samples following collection and prior to the time of analysis.

4.2 Sample Tracking and Management

All samples are tracked using a standard chain-of-custody form. The chain of custody record includes the following information:

1. Sample number
2. Signature of collector
3. Date and time of collection
4. Sample collection location
5. Sample type
6. Signature of persons involved in the chain-of-possession
7. Inclusive dates of possession
8. Analytical parameters
9. Pertinent field observations

The custody record is completed using waterproof ink. Corrections are made by drawing a line through, initialing the error, and then entering the correct information.

Custody of the samples begins at the time of sample collection and are maintained by the sampling team supervisor until samples are relinquished for shipment to the laboratory, or until samples are hand-delivered to the designated laboratory sample custodian. Partial sample sets being accumulated for hand-delivery to the laboratory are stored in coolers with chain-of-custody records sealed in plastic bags and placed in the cooler with the sample sets.

ATTACHMENT 3

Monitoring Field Measurements

MONITORING WELL DEVELOPMENT TABLE

Project Number:	01-562	Site Name:	Los Nietos Business Park
Well Number:	MW1	Date(s) Developed:	3-7-01
OVA - Ambient:		Development Method:	submersible pump
OVA - Vault:	NA	Development Rate:	≈ 3 gpm
OVA - Casing:		Developed By:	KS
Water Level - Initial:	46.30' @ 10 AM	Free Product:	none
Water Level - Final:	46.21 @ 2 PM	Sheen:	none
Well Depth:	65 feet	Odor:	none
Well Diameter:	4 inch	Well Casing Volume:	11.7 gallons x 3 = 35 gallons

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
10:07	5	68.8	7.10	13.41		clear
10:10	10	69.6	7.65	13.81		clear
10:15	20	69.9	7.71	14.02		clear
10:20	35	69.8	7.93	14.11		clear
	Depth to water after development = 46.8' @ 10:25					
		Sampled at 1:55				
		Final Depth to water = 46.21'				

Field Notes:

MONITORING WELL DEVELOPMENT TABLE

Project Number:	01-562	Site Name:	Los Arcetos Business Park
Well Number:	MW2	Date(s) Developed:	3-7-01
OVA - Ambient:	NA	Development Method:	submersible pump
OVA - Vault:		Development Rate:	≈ 3 gpm
OVA - Casing:		Developed By:	ICS
Water Level - Initial:	51.06 @ 11 am	Free Product:	none
Water Level - Final:	51.05 @ 2:30 pm	Sheen:	none
Well Depth:	65	Odor:	none
Well Diameter:	4 inches	Well Casing Volume:	9 x 3 = 27

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
11:02	5	67.7	6.72	14.44		clear
11:05	10	66.8	7.73	14.41		slight turb
11:10	20	67.7	7.90	14.41		clear
11:15	27	67.9	7.81	14.45		clear
	Depth to water after development = 51.45' @ 11:20					
		Organics Sampled at 2:15				
		Inorganics Sampled at 2:25				
		Final Depth to water = 51.05'				

Field Notes:

MONITORING WELL DEVELOPMENT TABLE

Project Number:	01-562	Site Name:	Los Nietos Business Park
Well Number:	MW 3	Date(s) Developed:	3-7-01
OVA - Ambient:		Development Method:	submersible pump
OVA - Vault:	NA	Development Rate:	≈3 gpm
OVA - Casing:		Developed By:	KS
Water Level - Initial:	44.3@ 9:25AM	Free Product:	none
Water Level - Final:	44.24@ 1:40pm	Sheen:	none
Well Depth:	65	Odor:	none
Well Diameter:	4inch	Well Casing Volume:	13gallon x 3 = 39 gallon

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
9:30	5	68.4	6.69	11.37		clear-low
9:33	10	68.7	7.68	12.03		clear
9:36	20	68.6	7.72	12.33		clear
9:40	30	67.6	7.79	12.42		clear
9:45	39	67.7	7.93	12.29		clear
	Depth to water after development = 45.3'@ 9:50AM					
	Organics sampled at 1:35					
	Inorganics sampled at 1:40					
	Final depth to water = 44.24'					

Field Notes:

MONITORING WELL DEVELOPMENT TABLE

Project Number:	01-562	Site Name:	Los Nietos Business Park
Well Number:	MW-4	Date(s) Developed:	3-7-01
OVA - Ambient:	NA	Development Method:	submersible pump
OVA - Vault:		Development Rate:	≈ 2 to 3 gpm
OVA - Casing:		Developed By:	KS
Water Level - Initial:	45.52 @ 11:35 am	Free Product:	none
Water Level - Final:	45.51 @ 2:45 pm	Sheen:	none
Well Depth:	65	Odor:	none
Well Diameter:	4 inch	Well Casing Volume:	≈ 35 gallons

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
11:37	5	69.7	6.57	18.79		cloudy moderate
11:40	10	69.7	7.30	18.39		cloudy
11:43	20	69.9	7.26	18.27		clear
11:50	35	69.8	7.10	18.33		clear
	Depth to water after development = 45.7 @ 11:55					
		Sampled at 2:40 pm				
		Final Water Depth = 45.51'				

Field Notes:

MONITORING WELL DEVELOPMENT TABLE

Project Number:	01-562	Site Name:	Los Alamitos Business Park
Well Number:	MW5	Date(s) Developed:	3-7-01
OVA - Ambient:		Development Method:	submersible pump
OVA - Vault:	na	Development Rate:	≈ 3 gpm
OVA - Casing:		Developed By:	KB
Water Level - Initial:	51.42' @ 12:10	Free Product:	none
Water Level - Final:	51.40 @ 3 PM	Sheen:	none
Well Depth:	65 feet	Odor:	none
Well Diameter:	4 inch	Well Casing Volume:	8.8 x 3 = 26 gallons

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
12:12	5	68.8	6.39	13.53		high
12:15	10	69.0	7.31	14.11		mod
12:17	15	69.1	7.49	14.20		cloudy
12:25	25	69.4	7.33	14.24		clear
	Water Depth after development =				51.65' @	12:35
		Sampled at 3:00 pm				
		Final depth to water = 51.40'				

Field Notes:

MONITORING WELL DEVELOPMENT TABLE

Project Number:	01-562	Site Name:	Los Dietos Business Park
Well Number:	MW-6	Date(s) Developed:	3-7-01
OVA - Ambient:	NA	Development Method:	1.5" hand PVC bailer
OVA - Vault:		Development Rate:	≈ 1 gpm
OVA - Casing:		Developed By:	KS
Water Level - Initial:	50.68' @ 8:30 AM	Free Product:	none
Water Level - Final:	50.65 @ 1:20 pm	Sheen:	none
Well Depth:	60	Odor:	none
Well Diameter:	2 inch	Well Casing Volume:	10 X .16 X 3 ≈ 5 gallons

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
8:40	1	69.3	6.68	10.72		high
8:55	2.5	68.2	6.98	10.23		mod-
9:10	5	67.8	7.04	10.47		mod-
	Depth to water after development				50.8'	
	Sampled at 1:20					
	final depth to water			=50.65'		

Field Notes: ATTEMPTED TO USE 1.8" Grundfos Submersible - no flow - bailed by hand

ATTACHMENT 4

Groundwater Analytical Results

CALCULIGENCE ENVIRONMENTAL
LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date March 7, 2001

Page 1 of 1

LABORATORY CLIENT: Versar Inc.

ADDRESS: 7844 Madison Avenue, Suite 167

CITY: Fair Oaks STATE: CA ZIP: 95628

TEL: 916 863-9325 FAX: 916 962-2678 E-MAIL:

CLIENT PROJECT NAME / NUMBER: Los Nietos Business Center

PROJECT CONTACT: Scott Allin

SAMPLER(S): (SIGNATURE) Kevin Sheridan

P.O. NO.:

LAB USE ONLY: 0 3 - 5 3 1 7

COOLER RECEIPT TEMP: °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☒ 48 HR (Cr6 only) ☐ 72 HR ☒ 5 DAYS (all other) ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___.

SPECIAL INSTRUCTIONS
- Filter and Preserve T22 metals samples
- Analyze Cr6 samples within 24 hours

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ___	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	VOCs (5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EOB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH_4 / TGNMO (25.1)	FIXED GASES (25.1) or (D1946)	Hexavalent Chromium				
	MW6	Monitoring Well #6	3/7/01	1:20	Water	5					X						X					X				
	MW3	#3		1:35							X						X					X				
	MW1	#1		1:55							X						X					X				
	MW2	#2		2:15							X						X					X				
	MW4	#4		2:40							X						X					X				
	MW5	#5		3:00							X						X					X				

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		3/7/01	3:45PM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date:	Time:
	[signature]	3/7/01	1545

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

10/01/00 Revision

Q&Q Graphic (714) 898-9702

Calscience
Environmental
Laboratories, Inc.

March 15, 2001

Scott Allin
Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Subject: **Calscience Work Order No.:** **01-03-0311**
Client Reference: **Los Nietos Business Center**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/7/01 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jody McInerney
Project Manager

William H. Christensen
Quality Assurance Manager

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: Filtered
Method: EPA 6010B / EPA 7470A

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW6	01-03-0311-1	03/07/01	Aqueous	03/08/01	03/09/01	010308lcs4

Comment(s): Mercury was analyzed on 3/9/01 17:19:32 with batch 010308lcs1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Mercury	ND	0.00050	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Barium	0.0325	0.0100	1		mg/L	Nickel	ND	0.00500	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.0109	0.0050	1		mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Copper	0.0111	0.0050	1		mg/L	Zinc	ND	0.0100	1		mg/L
Lead	ND	0.0100	1		mg/L						

MW3	01-03-0311-2	03/07/01	Aqueous	03/08/01	03/09/01	010308lcs4

Comment(s): Mercury was analyzed on 3/9/01 17:22:33 with batch 010308lcs1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Mercury	0.000595	0.00050	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Barium	0.0468	0.0100	1		mg/L	Nickel	ND	0.00500	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	0.0218	0.0150	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.00786	0.00500	1		mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Copper	0.00934	0.00500	1		mg/L	Zinc	ND	0.0100	1		mg/L
Lead	ND	0.0100	1		mg/L						

MW1	01-03-0311-3	03/07/01	Aqueous	03/08/01	03/09/01	010308lcs4

Comment(s): Mercury was analyzed on 3/9/01 17:25:36 with batch 010308lcs1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Mercury	ND	0.00050	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Barium	0.0653	0.0100	1		mg/L	Nickel	ND	0.00500	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.0184	0.0050	1		mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Copper	0.0176	0.0050	1		mg/L	Zinc	0.0127	0.0100	1		mg/L
Lead	ND	0.0100	1		mg/L						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: Filtered
Method: EPA 6010B / EPA 7470A

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW2	01-03-0311-4	03/07/01	Aqueous	03/08/01	03/09/01	010308lcs4

Comment(s): Mercury was analyzed on 3/9/01 17:28:39 with batch 010308lcs1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Mercury	ND	0.00050	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Barium	0.0506	0.0100	1		mg/L	Nickel	ND	0.00500	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.115	0.005	1		mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Copper	0.0117	0.0050	1		mg/L	Zinc	0.0119	0.0100	1		mg/L
Lead	ND	0.0100	1		mg/L						

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW4	01-03-0311-5	03/07/01	Aqueous	03/08/01	03/09/01	010308lcs4

Comment(s): Mercury was analyzed on 3/9/01 17:31:41 with batch 010308lcs1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Mercury	ND	0.00050	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Barium	0.0455	0.0100	1		mg/L	Nickel	0.0323	0.0050	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Cadmium	0.0212	0.0050	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.279	0.005	1		mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Copper	0.0215	0.0050	1		mg/L	Zinc	0.169	0.010	1		mg/L
Lead	ND	0.0100	1		mg/L						

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW5	01-03-0311-6	03/07/01	Aqueous	03/08/01	03/09/01	010308lcs4

Comment(s): Mercury was analyzed on 3/9/01 17:34:43 with batch 010308lcs1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Mercury	ND	0.00050	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Barium	0.0460	0.0100	1		mg/L	Nickel	ND	0.00500	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.0144	0.0050	1		mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Copper	0.0118	0.0050	1		mg/L	Zinc	0.0249	0.0100	1		mg/L
Lead	ND	0.0100	1		mg/L						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: Total Digestion
Method: EPA 6010B / EPA 7470A

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MethodBlank	[illegible]	N/A	Aqueous	03/08/01	03/08/01	010308lcan

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.00050	1		mg/L

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MethodBlank	[illegible]	N/A	Aqueous	03/08/01	03/08/01	010308lce4

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Nickel	ND	0.00500	1		mg/L
Barium	ND	0.0100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Silver	ND	0.00500	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Thallium	ND	0.0150	1		mg/L
Chromium (Total)	ND	0.00500	1		mg/L	Vanadium	ND	0.00500	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Zinc	ND	0.0100	1		mg/L
Copper	ND	0.00500	1		mg/L	Lead	ND	0.0100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
[illegible]	[illegible]	03/07/01	Aqueous	N/A	03/07/01	[illegible]

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	49	1	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	7.5	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	1.7	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	99	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: N/A
Method: EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW3	01-03-0311-2	03/07/01	Aqueous	N/A	03/07/01	030701AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	1.6	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	7.0	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	1.5	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	1.1	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	86-118		Toluene-d8	103	88-110	
1,4-Bromofluorobenzene	96	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
[illegible]	01-03-0311-8	03/07/01	Aqueous	N/A	03/08/01	0501B018W

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	0.95	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	2.2	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	11	1	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	1.2	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	21	1	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	6.8	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	23	1	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	2.3	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	96	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW2	01-03-0311-4	03/07/01	Aqueous	N/A	03/08/01	030701BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	3.5	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	11	1	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	17	1	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	8.8	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	18	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	3.3	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	4.0	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	86-118		Toluene-d8	103	88-110	
1,4-Bromofluorobenzene	95	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW4	01-03-0311-5	03/07/01	Aqueous	N/A	03/08/01	030701BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	7.8	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	4.9	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	32	1	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	20	1	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	26	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	5.0	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	6.4	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	86-118		Toluene-d8	103	88-110	
1,4-Bromofluorobenzene	94	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: N/A
Method: EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
[illegible]	[illegible]	[illegible]	[illegible]	N/A	[illegible]	[illegible]

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	110	1	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	7.4	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	2.4	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	94	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	099-10-005-1,006	N/A	Aqueous	N/A	03/07/01	030701AW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	86-118		Toluene-d8	102	88-110	
1,4-Bromofluorobenzene	98	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	099-10-005-6612	N/A	Aqueous	N/A	03/08/01	030701BW

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	Methyl-tert-Butyl Ether	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	86-118		Toluene-d8	103	88-110	
1,4-Bromofluorobenzene	97	86-115					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: Total Digestion
Method: EPA 6010B

Project: Los Nietos Business Center

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	102	104	80-120	2	0-20	
Arsenic	101	103	80-120	2	0-20	
Barium	97	100	80-120	2	0-20	
Beryllium	98	100	80-120	3	0-20	
Cadmium	99	101	80-120	2	0-20	
Chromium (Total)	96	99	80-120	3	0-20	
Cobalt	99	101	80-120	2	0-20	
Copper	98	100	80-120	3	0-20	
Lead	96	97	80-120	2	0-20	
Molybdenum	99	101	80-120	2	0-20	
Nickel	98	100	80-120	2	0-20	
Selenium	101	102	80-120	1	0-20	
Silver	90	102	80-120	12	0-20	
Thallium	94	96	80-120	2	0-20	
Vanadium	100	102	80-120	2	0-20	
Zinc	99	100	80-120	1	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Project: Los Nietos Business Center

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	Filtered
Method:	EPA 7470A

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW8	Aqueous	Mercury	03/07/01	03/12/01	030801ms1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	99	71-134	1	0-14	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: N/A
Method: EPA 8260B

Project: Los Nietos Business Center

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
01-03-0034-3	Aqueous	GC/MS T	N/A	03/07/01	01030034B5

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	113	115	72-127	2	0-25	
Carbon Tetrachloride	115	114	70-130	1	0-25	
Chlorobenzene	109	111	72-131	2	0-25	
1,2-Dichlorobenzene	111	113	70-130	2	0-25	
1,1-Dichloroethene	116	117	69-127	1	0-25	
Toluene	110	113	75-124	3	0-25	
Trichloroethene	110	115	60-137	5	0-25	
Vinyl Chloride	121	119	70-130	1	0-25	
Methyl-tert-Butyl Ether	109	113	80-120	2	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0311
Preparation: Total Digestion
Method: EPA 6010B

Project: Los Nietos Business Center

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
[illegible]	[illegible]	ICP [illegible]	[illegible]/01	[illegible]	[illegible]

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Antimony	1.00	0.976	98	80-120	
Arsenic	1.00	0.923	92	80-120	
Barium	1.00	1.01	101	80-120	
Beryllium	1.00	0.993	99	80-120	
Cadmium	1.00	1.02	102	80-120	
Chromium (Total)	1.00	0.999	100	80-120	
Cobalt	1.00	1.04	104	80-120	
Copper	1.00	0.982	98	80-120	
Lead	1.00	1.01	101	80-120	
Molybdenum	1.00	1.00	100	80-120	
Nickel	1.00	1.04	104	80-120	
Selenium	1.00	0.985	98	80-120	
Silver	0.500	0.499	100	80-120	
Thallium	1.00	0.983	98	80-120	
Vanadium	1.00	1.00	100	80-120	
Zinc	1.00	1.07	107	80-120	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Project: Los Nietos Business Center

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	Total Digestion
Method:	EPA 7470A

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
[illegible]	Aqueous	Mercury	[illegible]	[illegible]	[illegible]

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Mercury	0.0100	0.0105	105	90-122	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Project: Los Nietos Business Center

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
098-10-006-1,806	Aqueous	GC/MS-T	03/07/01	07MAR003	030701AW

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Benzene	50	55.1	110	72-127	
Carbon Tetrachloride	50	56.3	113	70-130	
Chlorobenzene	50	54.5	109	72-131	
1,2-Dichlorobenzene	50	54.3	109	70-130	
1,1-Dichloroethene	50	55.9	112	69-127	
Toluene	50	54.1	108	75-124	
Trichloroethene	50	54.3	109	60-137	
Vinyl Chloride	50	58.9	118	79-118	
Methyl-tert-Butyl Ether	50	54.3	108	80-120	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Project: Los Nietos Business Center

Date Received:	03/07/01
Work Order No:	01-03-0311
Preparation:	N/A
Method:	EPA 8260B

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
[illegible]	Aqueous	[illegible]	[illegible]	[illegible]	030701SW

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Benzene	50	53.5	107	72-127	
Carbon Tetrachloride	50	53.7	107	70-130	
Chlorobenzene	50	53.0	106	72-131	
1,2-Dichlorobenzene	50	52.1	104	70-130	
1,1-Dichloroethene	50	53.7	107	69-127	
Toluene	50	52.4	105	75-124	
Trichloroethene	50	52.4	105	60-137	
Vinyl Chloride	50	58.1	116	79-118	
Methyl-tert-Butyl Ether	50	49.7	99	80-120	

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 01-03-0311

Qualifier	Definition
ND	Not detected at indicated reporting limit.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 01-03-0317

Cooler _____ of _____

SAMPLE RECEIPT FORM

CLIENT: VFRSAR DATE: 03/7/01

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C (Temp Blank).

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
✓ Chilled, without temperature blank.
_____ Ambient temperature

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ Not Intact : _____ (Comment Below) Not Applicable (N/A): ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Proper preservation noted on sample label(s)	✓		
Correct containers for analyses requested	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

SILLIKER LABORATORIES
OF SOUTHERN CALIFORNIA

1139 East Dominguez, Suite I
Carson, CA 90746
310-637-7121 Fax 310-637-2953

FOOD SAFETY • QUALITY • NUTRITION

CERTIFICATE OF ANALYSIS

COA No:	SCA-15065954-0
Supersedes:	None
COA Date	3/12/01
Page 1 of 1	

TO:
Ms. Jody McInerney
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/8/01
P.O.# / ID:	01-03-0310
Location of Test: (except where noted)	Carson, CA

Analytical Results

Desc. 1:	Sample ID: MW3	Desc. 4:	Matrix:W	Laboratory ID:	150338729
Desc. 2:	Date: 3/7/01	Desc. 5:	Project #: 01-03-0310	Condition Rec'd:	NORMAL
Desc. 3:	Time: 1:40			Temp Rec'd (°C):	19.3

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	<1.1	/100mL	SMEWW 20th, 9221A-D	3/12/01	

Desc. 1:	Sample ID: MW2	Desc. 4:	Matrix:W	Laboratory ID:	150338730
Desc. 2:	Date: 3/7/01	Desc. 5:	Project #: 01-03-0310	Condition Rec'd:	NORMAL
Desc. 3:	Time: 2:25			Temp Rec'd (°C):	19.3

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	<1.1	/100mL	SMEWW 20th, 9221A-D	3/12/01	

COA Comment: This water complies with the State of California & U.S. Public Health Services regulations for potable water as analyzed by Silliker Laboratories.

Vidhya Gangar

Vidhya Gangar, M.S. Laboratory Director

The results of these tests relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the laboratory.

CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

To: Silliker

CHAIN OF CUSTODY RECORD

Date 3/8/01

Page 1 of 1

LABORATORY CLIENT:

ADDRESS:

CITY STATE ZIP

TEL: FAX: E-MAIL:

CLIENT PROJECT NAME / NUMBER: 01-03-0310

PROJECT CONTACT: Jody McInerney

SAMPLER(S): (SIGNATURE)

P.O. NO.:

LAB USE ONLY

COOLER RECEIPT TEMP = °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___ / ___ / ___.

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ___	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	VOCs (5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH4 / TGNMO (25.1)	FIXED GASES (25.1) or (D1946)	Total Coliform			
	MW3		3/7	1:40	W	1																X			
	MW2		3/7	2:25	W	1																X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 3/8/01	Time: 1250

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

10/01/00 Revision

Calscience Environmental Laboratories, Inc.

March 15, 2001

Scott Allin
Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Subject: **Calscience Work Order No.: 01-03-0310**
Client Reference: Los Nietos Business Center

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/7/01 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental Laboratories, Inc.
Jody McInerney
Project Manager

William H. Christensen
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/08/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	EPA 110.2
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in color units.

Sample Number	Color Concentration	Reporting Limit
MW3	5	5
MW2	10	5

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
MW2 (Duplicate)	10	10	0	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/08/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	EPA 140.1
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in TON units.

Sample Number	Odor Concentration	Reporting Limit
MW3	2	2
MW2	2	2

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
MW2 (Duplicate)	2	2	0	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/08/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	EPA 425.1
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in mg/L (ppm). Calculated as LAS, molecular wt. 320.

Sample Number	Surfactants (MBAS) Concentration	Reporting Limit
MW3	ND	0.1
MW2	ND	0.1
Method Blank	ND	0.1

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/07/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	SM 2320B
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Total Alkalinity Concentration	Reporting Limit
MW3	274	5
MW2	254	5

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
01-03-0245-2 (Duplicate)	126	128	2	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/07/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	SM 2320B
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Bicarbonate Concentration	Reporting Limit
MW3	274	5
MW2	254	5

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/07/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	SM 2320B
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Carbonate Concentration	Reporting Limit
MW3	ND	5
MW2	ND	5

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc. 7844 Madison Avenue, Suite 167 Fair Oaks, CA 95628	Date Sampled: Date Received: Date Analyzed:	03/07/01 03/07/01 03/07/01
Attn: Scott Allin RE: Los Nietos Business Center	Work Order No.: Method: Page 1 of 1	01-03-0310 SM 2320B

All concentrations are reported in mg/L (ppm).

Sample Number	Hydroxide Concentration	Reporting Limit
MW3	ND	5
MW2	ND	5

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc. 7844 Madison Avenue, Suite 167 Fair Oaks, CA 95628	Date Sampled: Date Received: Date Analyzed:	03/07/01 03/07/01 03/08/01
Attn: Scott Allin RE: Los Nietos Business Center	Work Order No.: Method: Page 1 of 1	01-03-0310 EPA 180.1

All results are reported in NTU.

Sample Number	Turbidity	Reporting Limit
MW3	2.6	0.1
MW2	17	1

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
01-03-0327-1 (Duplicate)	0.59	0.63	7	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.		Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167		Date Received:	03/07/01
Fair Oaks, CA 95628		Date Analyzed:	03/08/01
		Work Order No.:	01-03-0310
Attn: Scott Allin		Method:	EPA 150.1
RE: Los Nietos Business Center		Page 1 of 1	

All values are reported in pH units.

Sample Number	pH	Reporting Limit
MW3	6.89	0.01
MW2	6.51	0.01

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
01-03-0320-1 (Duplicate)	7.12	7.11	0	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc. 7844 Madison Avenue, Suite 167 Fair Oaks, CA 95628	Date Sampled: Date Received: Date Analyzed:	03/07/01 03/07/01 03/08/01
Attn: Scott Allin RE: Los Nietos Business Center	Work Order No.: Method: Page 1 of 1	01-03-0310 EPA 120.1

All results are reported in µmhos/cm.

Sample Number	Specific Conductance	Reporting Limit
MW3	1690	10
MW2	1740	10

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
01-03-0327-1 (Duplicate)	606	596	2	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/08/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	EPA 130.2
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Total Hardness Concentration	Reporting Limit
MW3	690	10
MW2	625	10

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
MW3 (Duplicate)	690	685	1	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.	Date Sampled:	03/07/01
7844 Madison Avenue, Suite 167	Date Received:	03/07/01
Fair Oaks, CA 95628	Date Analyzed:	03/09/01
	Work Order No.:	01-03-0310
Attn: Scott Allin	Method:	EPA 160.1
RE: Los Nietos Business Center	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Total Dissolved Solids Concentration	Reporting Limit
MW3	1130	10
MW2	1050	10

QA/QC

Sample Number	Sample Conc.	Duplicate Conc.	%RPD	Control Limits (%)
01-03-0342-1 (Duplicate)	1510	1530	1	0 - 25

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY

Method EPA 425.1

Versar, Inc. | Work Order No.: 01-03-0310
Page 1 of 1 | Date Analyzed: 03/08/01

LCS/LCS Duplicate

Analyte	LCS%REC	LCSD%REC	Control Limits	%RPD	Control Limits
Surfactants	95	94	80 - 120	1	0 - 20

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0310
Preparation: Total Digestion
Method: EPA 6010B

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix:	Date Prepared:	Date Analyzed:	QC Batch ID:
MW3	01-03-0310-1	03/07/01	Aqueous	03/08/01	03/09/01	010308ICP1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0132	0.0050	1		mg/L	Aluminum	1.16	0.05	1		mg/L
Silver	ND	0.00500	1		mg/L	Iron	1.54	0.10	1		mg/L
Zinc	0.0588	0.0100	1		mg/L	Manganese	0.136	0.005	1		mg/L

MW2	01-03-0310-2	03/07/01	Aqueous	03/08/01	03/09/01	010308ICP1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0146	0.0050	1		mg/L	Aluminum	0.479	0.050	1		mg/L
Silver	ND	0.00500	1		mg/L	Iron	0.726	0.100	1		mg/L
Zinc	0.0639	0.0100	1		mg/L	Manganese	0.0292	0.0050	1		mg/L

Method Blank	097-01-003-4813	N/A	Aqueous	03/08/01	03/09/01	010308ICP1

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	ND	0.00500	1		mg/L	Aluminum	ND	0.0500	1		mg/L
Silver	ND	0.00500	1		mg/L	Iron	ND	0.100	1		mg/L
Zinc	ND	0.0100	1		mg/L	Manganese	ND	0.00500	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0310
Preparation: N/A
Method: EPA 300.0

Project: Los Nietos Business Center

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix	Date Prepared:	Date Analyzed:	QC Batch ID:
MW3	01-03-0310-1	03/07/01	Aqueous	N/A	03/08/01	010308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Chloride	180	100	100	D	mg/L	o-Phosphate-P	ND	0.10	1		mg/L
Nitrate-N	8.2	1.0	10	D	mg/L	Sulfate	320	100	100	D	mg/L

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix	Date Prepared:	Date Analyzed:	QC Batch ID:
MW2	01-03-0310-2	03/07/01	Aqueous	N/A	03/08/01	010308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Chloride	220	100	100	D	mg/L	o-Phosphate-P	ND	0.10	1		mg/L
Nitrate-N	7.9	1.0	10	D	mg/L	Sulfate	260	100	100	D	mg/L

Client Sample Number:	Lab Sample Number:	Date Collected:	Matrix	Date Prepared:	Date Analyzed:	QC Batch ID:
Method Blank	099-06-003-404	N/A	Aqueous	N/A	03/08/01	010308

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Chloride	ND	1.0	1		mg/L	o-Phosphate-P	ND	0.10	1		mg/L
Nitrate-N	ND	0.10	1		mg/L	Sulfate	ND	1.0	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0310
Preparation: Total Digestion
Method: EPA 6010B

Project: Los Nietos Business Center

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
01-03-0329-1	Aqueous	ICP 3300	03/08/01	03/08/01	030801ms4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	98	100	80-120	3	0-20	
Silver	90	102	80-120	12	0-20	
Zinc	99	100	80-120	1	0-20	
Aluminum	105	105	80-120	0	0-20	
Iron	100	112	80-120	4	0-20	
Manganese	95	105	80-120	3	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Versar, Inc.
7644 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0310
Preparation: N/A
Method: EPA 300.0

Project: Los Nietos Business Center

Spiked Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
01-03-0324-1	Aqueous	DIONEX-1	N/A	03/08/01	010308

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Chloride	92	93	50-150	1	0-25	
Nitrate-N	95	95	50-150	1	0-25	
o-Phosphate-P	103	99	50-150	4	0-25	
Sulfate	97	98	50-150	1	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Project: Los Nietos Business Center

Date Received:	03/07/01
Work Order No:	01-03-0310
Preparation:	Total Digestion
Method:	EPA 6010B

LCS Sample Number	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-1,613	Aqueous	ICP 3300	03/08/01	010308-1	010308lcs4

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Copper	1.00	0.962	96	80-120	
Silver	0.500	0.499	100	80-120	
Zinc	1.00	1.07	107	80-120	
Aluminum	1.00	0.991	99	80-120	
Iron	1.00	1.04	104	80-120	
Manganese	1.00	0.992	99	80-120	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Versar, Inc.
7844 Madison Avenue, Suite 167
Fair Oaks, California 95628

Date Received: 03/07/01
Work Order No: 01-03-0310
Preparation: N/A
Method: EPA 300.0

Project: Los Nietos Business Center

LCS Sample Number	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
[illegible]	Aqueous	DIONEX	N/A	[illegible]	[illegible]

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Chloride	100	99	80-120	0	0-25	
Nitrate-N	100	99	80-120	1	0-25	
o-Phosphate-P	105	101	80-120	4	0-25	
Sulfate	104	104	80-120	0	0-25	

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 01-03-0310

Qualifier	Definition
D	The sample data was reported from a diluted analysis.
ND	Not detected at indicated reporting limit.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 01-03-0310

Cooler ____ of ____

SAMPLE RECEIPT FORM

CLIENT: VERSAR DATE: 3/7/01

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

____ Chilled, cooler with temperature blank provided.
____ Chilled, cooler without temperature blank.
____ Chilled and placed in cooler with wet ice.
____ Ambient and placed in cooler with wet ice.
____ Ambient temperature.

____ °C (Temp Blank).

LABORATORY (Other than Calscience Courier):

____ °C Temperature blank.
✓ Chilled, without temperature blank.
____ Ambient temperature

Initial: ____

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ Not Intact: ____ (Comment Below) Not Applicable (N/A): ✓

Initial: ____

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Proper preservation noted on sample label(s)			✓
Correct containers for analyses requested			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: ____

COMMENTS:

LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

Date: March 7, 2001
Page 1 of 1

LABORATORY CLIENT: Versar, Inc.
ADDRESS: 7844 Madison Avenue #167
CITY: Fair Oaks STATE: CA ZIP: 95628
TEL: 916 863-9325 FAX: 916 962-2678 E-MAIL:

CLIENT PROJECT NAME / NUMBER: Los Nietos Business Center
PROJECT CONTACT: Scott Allin
SAMPLER(S): (SIGNATURE) Kevin Sheridan

P.O. NO.:
QUOTE NO.: 946317
LAB USE ONLY: 03-0311

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS: please send results to: MR Dave Isola
FAX # - 209-367-7056 Isola Bowers LLP
701 South Ham Lane, 2nd Floor, Lodi, CA 95242

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) (O)	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, TZ2 METALS (6010B)	ICP/MS METALS (6020)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH_4 / TGNMO (25.1)	FIXED GASES (25.1) or (D1946)	CAC Title 22 Secondary Standards w/ phosphate, nitrate and total alkalinity
	MW3	Monitoring Well #3	3/7	1:40	Water	3																X
	MW2	Monitoring Well #2	3/7	2:25	Water	3																X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		3/7/01	3:45 pm
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 3/7/01	Time: 1545

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

02/01/99 Revision

MAR-15-2001 14:51 CALSCIENCE 714 894 7501 P.24/28
Q&Q Graphic (714) 895-6772

Calscience Environmental Laboratories, Inc.

CALSCIENCE STANDARD TELEPHONE QUOTE

Quote Number	946317	**Date Generated**	3/6/01
Name	Kevin Sheridan	**Project ID**	Los Nietos
Company Name	Coast Environmental Services	**Expected Start Date**	3/01
Phone	714-962-4675	**Quote Valid Through**	1/02
Fax	714-378-1195	**Individual Quoting**	Jody McInerney

Analytical Fees Include

Courier Services — Sample Disposal
Analytical Consultation — Standard Quality Control Measures

Matrix	Test	Method	Quantity	TAT	Unit Costs	Subtotal 1	Rush Surcharge	Subtot
Water	EPA 110.2 Color	EPA 110.2	1	5	$15.00	$15.00	$0.00	$1
Water	EPA 120.1 Specific Conductance	EPA 120.1	1	5	$10.00	$10.00	$0.00	$1
Water	EPA 130.2 Total Hardness	EPA 130.2	1	6	$15.00	$15.00	$0.00	$1
Water	EPA 140.1 Odor	EPA 140.1	1	6	$15.00	$15.00	$0.00	$1
Water	EPA 150.1 pH (corrosivity)	EPA 150.1	1	5	$10.00	$10.00	$0.00	$1
Water	EPA 160.1 Total Dissolved Solids	EPA 160.1	1	5	$15.00	$15.00	$0.00	$1
Water	EPA 180.1 Turbidity	EPA 180.1	1	5	$10.00	$10.00	$0.00	$1
Water	EPA 300.0 Chloride, sulfate, nitrate, o-phosphate	EPA 300.0	1	5	$100.00	$100.00	$0.00	$10
Water	EPA 425.1 Surfactants (MBAS)	EPA 425.1	1	5	$40.00	$40.00	$0.00	$4
Water	EPA 6010B Al, Cu, Fe, Mn, Ag, Zn (incl. digestion)	EPA 6010B	1	5	$55.00	$55.00	$0.00	$5
Water	SM 2320B Alkalinity, speciated	SM 2320B	1	5	$20.00	$20.00	$0.00	$

Notes Please note that quote includes all parameters with Secondary Drinking Water Stds. except thiobencarb.

All analytical work conducted by Calscience is subject to its standard terms and conditions, a copy of which is available upon request. Requested analyses which are not covered by this quotation will be invoiced at Calscience's book price. The discount price structure, if any, contained herein is contingent upon Calscience receiving no less than 75% of the number of samples quoted at the discounted price.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

CALSCIENCE STANDARD TELEPHONE QUOTE

Matrix	Test	Method	Quantity	TAT	Unit Costs	Subtotal 1	Rush Surcharge	Subto
Water	SM 9221B Total Coliform	SM 9222 B	1	6	$25.00	$25.00	$0.00	$2
						Quote Total		$330.

Notes Please note that quote includes all parameters with Secondary Drinking Water Stds. except thiobencarb.

All analytical work conducted by Calscience is subject to its standard terms and conditions, a copy of which is available upon request. Requested analyses which are not covered by this quotation will be invoiced at Calscience's book price. The discount price structure, if any, contained herein is contingent upon Calscience receiving no less than 75% of the number of samples quoted at the discounted price.

7440 Lincoln Way, Garden Grove, CA 92641-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

SILLIKER LABORAT RIES
OF SOUTHERN CALIFORNIA

1139 East Dominguez, Suite I
Carson, CA 90746
310-637-7121 Fax 310-637-2953

FOOD SAFETY • QUALITY • NUTRITION

CERTIFICATE OF ANALYSIS

COA No:	SCA-15065954-0
Supersedes:	None
COA Date	3/12/01
Page 1 of 1	

TO:
Ms. Jody McInerney
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	3/8/01
P.O.# / ID:	01-03-0310
Location of Test: (except where noted)	Carson, CA

Analytical Results

Desc. 1: Sample ID: MW3 | Desc. 4: Matrix:W | Laboratory ID: 150338729
Desc. 2: Date: 3/7/01 | Desc. 5: Project #: 01-03-0310 | Condition Rec'd: NORMAL
Desc. 3: Time: 1:40 | Temp Rec'd (°C): 19.3

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	<1.1	/100mL	SMEWW 20th, 9221A-D	3/12/01	

Desc. 1: Sample ID: MW2 | Desc. 4: Matrix:W | Laboratory ID: 150338730
Desc. 2: Date: 3/7/01 | Desc. 5: Project #: 01-03-0310 | Condition Rec'd: NORMAL
Desc. 3: Time: 2:25 | Temp Rec'd (°C): 19.3

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	<1.1	/100mL	SMEWW 20th, 9221A-D	3/12/01	

COA Comment: This water complies with the State of California & U.S. Public Health Services regulations for potable water as analyzed by Silliker Laboratories.

Vidhya Gangar
Vidhya Gangar, M.S. Laboratory Director

The results of these tests relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the laboratory.

CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

To: Silliker

CHAIN OF CUSTODY RECORD

Date 3/8/01

Page 1 of 1

LABORATORY CLIENT:

ADDRESS:

CITY STATE ZIP

TEL: FAX: E-MAIL:

CLIENT PROJECT NAME / NUMBER: 01-03-0310

PROJECT CONTACT: Jody McInerney

SAMPLER(S): (SIGNATURE)

P.O. NO.:

LAB USE ONLY

COOLER RECEIPT

TEMP = °C

TURNAROUND TIME

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___ / ___ / ___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ___	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	VOCs (8035 / 8260B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	CH_4 / TBNMO (25.1)	FIXED GASES (25.1) or (D1946)	Total Calcium			
	MW3		3/7	1:40	W	1																X			
	MW2		3/7	2:25	W	1																X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 3/8/01	Time: 1250

TOTAL P.2B
03/15'01 14:50
TEL=2093677056
=>
7148947501